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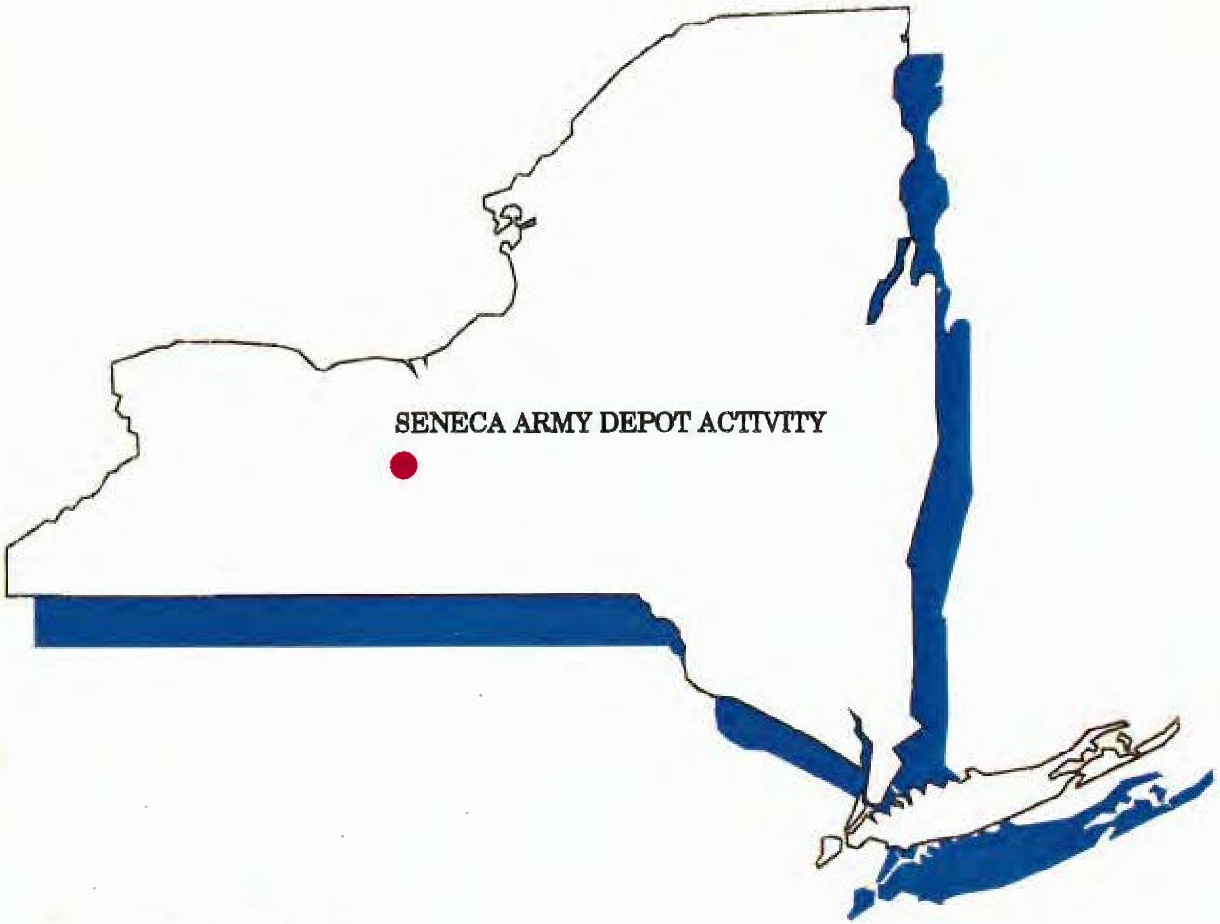
U.S. ARMY ENGINEER DIVISION
HUNTSVILLE, ALABAMA



DRAFT FINAL

EXPANDED SITE INSPECTION
SEVEN LOW PRIORITY AOCs
SEADs 60, 62, 63, 64(A, B, C, AND D), 67, 70, AND 71

VOLUME 2 OF 2

APRIL 1996

APPENDIX A

GEOPHYSICAL DATA:
EM-31

Easting	Northing	Station	Conduct.	In-Phase
LINE 1: SEAD-62				
751411.5	987269.8	1000	12.70	12.70
751421.5	987270.1	1010	12.91	12.91
751431.5	987270.6	1020	13.18	13.18
751441.5	987270.9	1030	13.31	13.31
751451.4	987271.4	1040	13.46	13.46
751461.4	987271.8	1050	13.58	13.58
751471.4	987272.2	1060	13.95	13.95
751481.4	987272.6	1070	14.19	14.19
751491.4	987272.9	1080	13.92	13.92
751501.4	987273.4	1090	14.19	14.19
751511.4	987273.8	1100	14.01	14.01
751521.4	987274.2	1110	13.76	13.76
751531.4	987274.6	1120	14.25	14.25
751541.4	987274.9	1130	14.62	14.62
751551.4	987275.4	1140	15.08	15.08
751561.4	987275.8	1150	15.32	15.32
751571.4	987276.2	1160	15.17	15.17
751581.4	987276.6	1170	15.14	15.14
751591.4	987277	1180	14.83	14.83
751601.4	987277.4	1190	14.13	14.13
751611.3	987277.8	1200	13.24	13.24
751621.3	987278.2	1210	13.31	13.31
751631.3	987278.6	1220	13.03	13.03
751641.3	987279	1230	12.97	12.97
751651.3	987279.4	1240	13.12	13.12
751661.3	987279.8	1250	12.33	12.33
751671.3	987280.2	1260	12.39	12.39
751681.3	987280.6	1270	12.94	12.94
751691.3	987281	1280	12.88	12.88
751701.3	987281.4	1290	11.99	11.99
751711.3	987281.8	1300	13.64	13.64
751721.3	987282.2	1310	20.26	20.26
751731.3	987282.6	1320	18.19	18.19
751741.3	987283	1330	21.09	21.09
751751.3	987283.4	1340	11.60	11.60
751761.2	987283.8	1350	31.34	31.34
751771.2	987284.2	1360	20.78	20.78
751781.2	987284.6	1370	20.84	20.84
751791.2	987285	1380	19.81	19.81
751801.2	987285.4	1390	22.64	22.64
751811.2	987285.8	1400	22.80	22.80
751821.2	987286.2	1410	22.49	22.49
751831.2	987286.6	1420	23.44	23.44
751841.1	987287	1430	23.32	23.32
751851.1	987287.4	1440	26.58	26.58
751861.1	987287.8	1450	27.31	27.31
751871.1	987288.2	1460	26.64	26.64
751881.1	987288.6	1470	23.68	23.68
751891.1	987289	1480	24.05	24.05
751901.1	987289.4	1490	23.44	23.44

Easting	Northing	Station	Conduct.	In-Phase
751911.1	987289.8	1500	24.35	24.35
751921.1	987290.2	1510	22.19	22.19
751931.1	987290.6	1520	20.72	20.72
751941.1	987291	1530	20.11	20.11
751951.1	987291.4	1540	19.65	19.65
751961.1	987291.8	1550	19.23	19.23
751971.1	987292.3	1560	17.85	17.85
751981.1	987292.6	1570	18.77	18.77
751991.1	987293	1580	17.15	17.15
752001	987293.4	1590	17.94	17.94
752011	987293.8	1600	17.18	17.18
752021	987294.3	1610	17.46	17.46
752031	987294.6	1620	17.27	17.27
752041	987295.1	1630	17.67	17.67
752051	987295.4	1640	17.43	17.43
752061	987295.8	1650	17.36	17.36
752070.9	987296.3	1660	16.51	16.51
752080.9	987296.6	1670	16.85	16.85
752090.9	987297.1	1680	16.33	16.33
752100.9	987297.4	1690	17.09	17.09
752110.9	987297.8	1700	16.02	16.02
752120.9	987298.3	1710	15.87	15.87
752130.9	987298.6	1720	15.41	15.41
752140.9	987299.1	1730	15.35	15.35
752150.9	987299.4	1740	14.80	14.80
752160.9	987299.9	1750	14.62	14.62
752170.9	987300.3	1760	14.40	14.40
752180.9	987300.6	1770	14.56	14.56
752190.9	987301.1	1780	13.79	13.79
752200.9	987301.4	1790	13.92	13.92
752210.9	987301.9	1800	14.10	14.10
752220.9	987302.3	1810	13.85	13.85
752230.8	987302.7	1820	13.98	13.98
752240.8	987303.1	1830	13.61	13.61
752250.8	987303.4	1840	14.19	14.19
752260.8	987303.9	1850	13.64	13.64
752270.8	987304.3	1860	14.53	14.53
752280.8	987304.7	1870	14.74	14.74
752290.8	987305.1	1880	14.80	14.80
752300.8	987305.4	1890	15.38	15.38
752310.8	987305.9	1900	15.11	15.11
752320.8	987306.3	1910	15.29	15.29
752330.8	987306.7	1920	15.50	15.50
752340.8	987307.1	1930	15.17	15.17
752350.8	987307.5	1940	15.35	15.35
752360.8	987307.9	1950	14.65	14.65
752370.8	987308.3	1960	14.62	14.62
752380.7	987308.7	1970	14.68	14.68
752390.7	987309.1	1980	14.34	14.34
752400.7	987309.5	1990	14.34	14.34
752410.7	987309.9	2000	13.92	13.92

Easting	Northing	Station	Conduct.	In-Phase
752420.7	987310.3	2010	14.10	14.10
752430.7	987310.7	2020	13.98	13.98
752440.7	987311.1	2030	13.43	13.43
752450.7	987311.5	2040	13.64	13.64
752460.6	987311.9	2050	12.97	12.97
752470.6	987312.3	2060	12.79	12.79
752480.6	987312.7	2070	13.24	13.24
752490.6	987313.1	2080	13.34	13.34
752500.6	987313.5	2090	13.03	13.03
752510.6	987313.9	2100	12.79	12.79
752520.6	987314.3	2110	12.73	12.73
752530.6	987314.7	2120	12.82	12.82
752540.6	987315.1	2130	13.34	13.34
752550.6	987315.5	2140	12.73	12.73
752560.6	987315.9	2150	12.18	12.18
752570.6	987316.3	2160	12.39	12.39
752580.6	987316.7	2170	13.34	13.34
752590.6	987317.1	2180	13.28	13.28
752600.6	987317.5	2190	13.85	13.85
752610.6	987317.9	2200	14.71	14.71
752620.5	987318.3	2210	13.58	13.58
752630.5	987318.7	2220	13.15	13.15
752640.5	987319.1	2230	14.25	14.25
752650.5	987319.5	2240	13.67	13.67
752660.5	987319.9	2250	12.88	12.88
752670.5	987320.3	2260	13.03	13.03
752680.5	987320.7	2270	13.21	13.21
752690.5	987321.1	2280	13.61	13.61
752700.4	987321.5	2290	13.12	13.12
752710.4	987321.9	2300	13.24	13.24
752720.4	987322.3	2310	12.73	12.73
752730.4	987322.8	2320	13.00	13.00
752740.4	987323.1	2330	12.82	12.82
752750.4	987323.5	2340	12.94	12.94
752760.4	987323.9	2350	13.18	13.18
752770.4	987324.3	2360	13.06	13.06
752780.4	987324.8	2370	12.54	12.54
752790.4	987325.1	2380	12.36	12.36
752800.4	987325.6	2390	12.27	12.27
752810.4	987325.9	2400	12.57	12.57
752820.4	987326.3	2410	12.33	12.33
752830.4	987326.8	2420	12.33	12.33
752840.4	987327.1	2430	11.96	11.96
752850.3	987327.6	2440	13.73	13.73
752860.3	987327.9	2450	12.30	12.30
752870.3	987328.3	2460	12.48	12.48
752880.3	987328.8	2470	11.78	11.78
752890.3	987329.1	2480	12.30	12.30
752900.3	987329.6	2490	12.30	12.30
752910.3	987329.9	2500	12.70	12.70
752920.3	987330.4	2510	12.54	12.54

Easting	Northing	Station	Conduct.	In-Phase
752930.3	987330.8	2520	12.48	12.48
752940.3	987331.1	2530	12.30	12.30
752950.3	987331.6	2540	12.66	12.66
752960.3	987331.9	2550	12.12	12.12
752970.3	987332.4	2560	12.42	12.42
752980.3	987332.8	2570	12.57	12.57
752990.3	987333.2	2580	11.96	11.96
753000.3	987333.6	2590	12.39	12.39
753010.2	987333.9	2600	12.33	12.33
753020.2	987334.4	2610	12.05	12.05
753030.2	987334.8	2620	12.27	12.27
753040.2	987335.2	2630	12.08	12.08
753050.2	987335.6	2640	11.99	11.99
753060.2	987335.9	2650	11.81	11.81
753070.2	987336.4	2660	12.45	12.45
753080.1	987336.8	2670	11.90	11.90
753090.1	987337.2	2680	12.42	12.42
753100.1	987337.6	2690	12.27	12.27
753110.1	987338	2700	12.54	12.54
753120.1	987338.4	2710	12.45	12.45
753130.1	987338.8	2720	12.88	12.88
753140.1	987339.2	2730	13.46	13.46
753150.1	987339.6	2740	15.41	15.41
753160.1	987340	2750	20.39	20.39
753200.1	987341.6	2790	26.76	26.76
753210.1	987342	2800	17.64	17.64
753220.1	987342.4	2810	15.99	15.99
753230.1	987342.8	2820	14.56	14.56
753240	987343.2	2830	15.11	15.11
753250	987343.6	2840	13.85	13.85
753260	987344	2850	14.13	14.13
753270	987344.4	2860	14.19	14.19
753280	987344.8	2870	13.52	13.52
753290	987345.2	2880	13.89	13.89
753300	987345.6	2890	13.61	13.61
753310	987346	2900	13.40	13.40
753319.9	987346.4	2910	13.58	13.58
753329.9	987346.8	2920	13.46	13.46
753339.9	987347.2	2930	13.52	13.52
753349.9	987347.6	2940	13.49	13.49
753359.9	987348	2950	13.24	13.24
753369.9	987348.4	2960	13.40	13.40
753379.9	987348.8	2970	13.89	13.89
753389.9	987349.2	2980	13.64	13.64
753399.9	987349.6	2990	14.37	14.37
753409.9	987350	3000	14.19	14.19
753419.9	987350.4	3010	13.95	13.95
753429.9	987350.8	3020	14.25	14.25
753439.9	987351.2	3030	14.40	14.40
753449.9	987351.6	3040	14.62	14.62
753459.9	987352	3050	14.62	14.62

Easting	Northing	Station	Conduct.	In-Phase
753469.8	987352.4	3060	14.71	14.71
753479.8	987352.8	3070	14.74	14.74
753489.8	987353.3	3080	14.47	14.47
753499.8	987353.6	3090	14.25	14.25
753509.8	987354	3100	15.20	15.20
753519.8	987354.4	3110	16.63	16.63
753529.8	987354.8	3120	14.68	14.68
753539.8	987355.3	3130	15.38	15.38
753549.8	987355.6	3140	15.14	15.14
753559.8	987356.1	3150	15.59	15.59
753569.8	987356.4	3160	15.93	15.93
753579.8	987356.8	3170	15.75	15.75
753589.8	987357.3	3180	15.72	15.72
753599.8	987357.6	3190	15.69	15.69
753609.8	987358.1	3200	15.78	15.78
753619.8	987358.4	3210	15.72	15.72
753629.7	987358.8	3220	15.78	15.78
753639.7	987359.3	3230	15.72	15.72
753649.7	987359.6	3240	15.53	15.53
753659.7	987360.1	3250	15.50	15.50
753669.7	987360.4	3260	15.81	15.81
753679.7	987360.9	3270	15.72	15.72
753689.7	987361.3	3280	16.02	16.02
753699.6	987361.6	3290	15.84	15.84
753709.6	987362.1	3300	16.33	16.33
753719.6	987362.4	3310	16.11	16.11
753729.6	987362.9	3320	16.27	16.27
753739.6	987363.3	3330	16.94	16.94
753749.6	987363.7	3340	16.88	16.88
753759.6	987364.1	3350	17.06	17.06
753769.6	987364.4	3360	17.46	17.46
753779.6	987364.9	3370	17.76	17.76
753789.6	987365.3	3380	17.70	17.70
753799.6	987365.7	3390	17.24	17.24
753809.6	987366.1	3400	16.82	16.82
LINE 2				
751411.6	987219.7	1000	15.14	15.14
751421.6	987220.1	1010	15.47	15.47
751431.6	987220.5	1020	15.75	15.75
751441.6	987220.9	1030	15.78	15.78
751451.6	987221.3	1040	16.48	16.48
751461.6	987221.8	1050	16.51	16.51
751471.6	987222.1	1060	16.60	16.60
751481.6	987222.5	1070	17.46	17.46
751491.6	987222.9	1080	17.03	17.03
751501.6	987223.3	1090	17.76	17.76
751511.5	987223.8	1100	17.52	17.52
751521.5	987224.1	1110	16.88	16.88
751531.5	987224.5	1120	16.94	16.94
751541.5	987224.9	1130	17.61	17.61
751551.5	987225.3	1140	17.91	17.91
751561.5	987225.8	1150	18.28	18.28
751571.5	987226.1	1160	18.28	18.28
751581.5	987226.6	1170	19.20	19.20
751591.4	987226.9	1180	16.78	16.78
751601.4	987227.3	1190	17.43	17.43
751611.4	987227.8	1200	16.72	16.72
751621.4	987228.1	1210	16.27	16.27
751631.4	987228.6	1220	15.96	15.96
751641.4	987228.9	1230	15.17	15.17
751651.4	987229.4	1240	14.77	14.77
751661.4	987229.8	1250	14.98	14.98
751671.4	987230.1	1260	15.26	15.26
751681.4	987230.6	1270	15.01	15.01
751691.4	987230.9	1280	15.81	15.81
751701.4	987231.4	1290	15.08	15.08
751711.4	987231.8	1300	18.68	18.68
751721.4	987232.1	1310	16.33	16.33
751731.4	987232.6	1320	15.81	15.81
751741.3	987232.9	1330	17.79	17.79
751751.3	987233.4	1340	14.65	14.65
751761.3	987233.8	1350	18.77	18.77
751771.3	987234.2	1360	14.80	14.80
751781.3	987234.6	1370	14.31	14.31
751791.3	987234.9	1380	14.89	14.89
751801.3	987235.4	1390	14.56	14.56
751811.3	987235.8	1400	14.43	14.43
751821.3	987236.2	1410	14.53	14.53
751831.3	987236.6	1420	14.16	14.16
751841.3	987237	1430	15.01	15.01
751851.3	987237.4	1440	14.37	14.37
751861.3	987237.8	1450	14.80	14.80
751871.3	987238.2	1460	14.34	14.34
751881.3	987238.6	1470	14.74	14.74
751891.3	987239	1480	13.79	13.79
751901.2	987239.4	1490	14.59	14.59
751911.2	987239.8	1500	14.83	14.83
751921.2	987240.2	1510	14.50	14.50
751931.2	987240.6	1520	14.37	14.37
751941.2	987241	1530	14.07	14.07
751951.2	987241.4	1540	14.13	14.13
751961.2	987241.8	1550	14.80	14.80
751971.2	987242.2	1560	14.19	14.19
751981.1	987242.6	1570	14.47	14.47
751991.1	987243	1580	14.47	14.47
752001.1	987243.4	1590	14.77	14.77
752011.1	987243.8	1600	14.83	14.83
752021.1	987244.2	1610	13.85	13.85
752031.1	987244.6	1620	15.11	15.11
752041.1	987245	1630	14.59	14.59
752051.1	987245.4	1640	14.47	14.47
752061.1	987245.8	1650	14.43	14.43

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752071.1	987246.2	1660	14.07	14.07	752580.7	987266.7	2170	13.37	13.37
752081.1	987246.6	1670	13.92	13.92	752590.7	987267.1	2180	13.79	13.79
752091.1	987247	1680	14.04	14.04	752600.6	987267.5	2190	14.56	14.56
752101.1	987247.4	1690	13.76	13.76	752610.6	987267.9	2200	13.70	13.70
752111.1	987247.8	1700	13.79	13.79	752620.6	987268.3	2210	13.18	13.18
752121.1	987248.2	1710	13.64	13.64	752630.6	987268.7	2220	13.37	13.37
752131	987248.6	1720	13.31	13.31	752640.6	987269.1	2230	14.50	14.50
752141	987249	1730	13.79	13.79	752650.6	987269.5	2240	13.15	13.15
752151	987249.4	1740	13.37	13.37	752660.6	987269.9	2250	13.46	13.46
752161	987249.8	1750	12.82	12.82	752670.6	987270.3	2260	13.12	13.12
752171	987250.2	1760	12.91	12.91	752680.6	987270.7	2270	13.03	13.03
752181	987250.6	1770	12.76	12.76	752690.6	987271.1	2280	13.09	13.09
752191	987251	1780	12.73	12.73	752700.6	987271.5	2290	13.15	13.15
752201	987251.4	1790	12.33	12.33	752710.6	987271.9	2300	13.21	13.21
752210.9	987251.8	1800	12.57	12.57	752720.6	987272.3	2310	12.94	12.94
752220.9	987252.3	1810	12.66	12.66	752730.6	987272.7	2320	13.24	13.24
752230.9	987252.6	1820	12.48	12.48	752740.6	987273.1	2330	12.88	12.88
752240.9	987253	1830	12.48	12.48	752750.5	987273.5	2340	13.24	13.24
752250.9	987253.4	1840	12.76	12.76	752760.5	987273.9	2350	12.88	12.88
752260.9	987253.8	1850	12.76	12.76	752770.5	987274.3	2360	12.85	12.85
752270.9	987254.3	1860	12.39	12.39	752780.5	987274.7	2370	13.06	13.06
752280.9	987254.6	1870	12.79	12.79	752790.5	987275.1	2380	12.79	12.79
752290.9	987255	1880	12.12	12.12	752800.5	987275.5	2390	12.88	12.88
752300.9	987255.4	1890	12.05	12.05	752810.5	987275.9	2400	12.91	12.91
752310.9	987255.8	1900	12.42	12.42	752820.5	987276.3	2410	12.39	12.39
752320.9	987256.3	1910	12.33	12.33	752830.4	987276.7	2420	12.60	12.60
752330.9	987256.6	1920	12.36	12.36	752840.4	987277.1	2430	12.94	12.94
752340.9	987257.1	1930	12.27	12.27	752850.4	987277.5	2440	14.04	14.04
752350.9	987257.4	1940	12.36	12.36	752860.4	987277.9	2450	12.82	12.82
752360.8	987257.8	1950	12.54	12.54	752870.4	987278.3	2460	12.82	12.82
752370.8	987258.3	1960	12.42	12.42	752880.4	987278.7	2470	12.73	12.73
752380.8	987258.6	1970	12.54	12.54	752890.4	987279.1	2480	12.82	12.82
752390.8	987259.1	1980	12.63	12.63	752900.4	987279.5	2490	13.28	13.28
752400.8	987259.4	1990	12.76	12.76	752910.4	987279.9	2500	12.73	12.73
752410.8	987259.9	2000	12.33	12.33	752920.4	987280.3	2510	12.57	12.57
752420.8	987260.3	2010	12.66	12.66	752930.4	987280.7	2520	12.85	12.85
752430.8	987260.6	2020	12.82	12.82	752940.4	987281.1	2530	12.91	12.91
752440.8	987261.1	2030	13.06	13.06	752950.4	987281.5	2540	12.79	12.79
752450.8	987261.4	2040	12.45	12.45	752960.4	987281.9	2550	12.79	12.79
752460.8	987261.9	2050	12.91	12.91	752970.4	987282.3	2560	12.97	12.97
752470.8	987262.3	2060	12.18	12.18	752980.3	987282.8	2570	12.60	12.60
752480.8	987262.6	2070	12.15	12.15	752990.3	987283.1	2580	12.21	12.21
752490.8	987263.1	2080	12.21	12.21	753000.3	987283.5	2590	12.57	12.57
752500.8	987263.4	2090	12.30	12.30	753010.3	987283.9	2600	12.12	12.12
752510.8	987263.9	2100	11.93	11.93	753020.3	987284.3	2610	12.08	12.08
752520.7	987264.3	2110	12.15	12.15	753030.3	987284.8	2620	12.12	12.12
752530.7	987264.7	2120	12.24	12.24	753040.3	987285.1	2630	12.12	12.12
752540.7	987265.1	2130	12.30	12.30	753050.3	987285.5	2640	12.21	12.21
752550.7	987265.4	2140	13.18	13.18	753060.3	987285.9	2650	11.66	11.66
752560.7	987265.9	2150	13.31	13.31	753070.3	987286.3	2660	12.05	12.05
752570.7	987266.3	2160	14.22	14.22	753080.3	987286.8	2670	12.39	12.39

Easting	Northing	Station	Conduct.	In-Phase
753090.3	987287.1	2680	12.33	12.33
753100.3	987287.6	2690	12.54	12.54
753110.3	987287.9	2700	12.39	12.39
753120.3	987288.3	2710	12.21	12.21
753130.3	987288.8	2720	12.76	12.76
753140.2	987289.1	2730	12.66	12.66
753150.2	987289.6	2740	13.15	13.15
753160.2	987289.9	2750	13.73	13.73
753170.2	987290.4	2760	16.33	16.33
753180.2	987290.8	2770	23.83	23.83
753190.2	987291.1	2780	40.34	40.34
753210.2	987291.9	2800	125.49	25.49
753220.1	987292.4	2810	78.95	78.95
753230.1	987292.8	2820	27.98	27.98
753240.1	987293.1	2830	19.01	19.01
753250.1	987293.6	2840	16.54	16.54
753260.1	987293.9	2850	14.22	14.22
753270.1	987294.4	2860	14.01	14.01
753280.1	987294.8	2870	13.73	13.73
753290.1	987295.2	2880	13.40	13.40
753300.1	987295.6	2890	13.43	13.43
753310.1	987295.9	2900	13.31	13.31
753320.1	987296.4	2910	13.31	13.31
753330.1	987296.8	2920	13.21	13.21
753340.1	987297.2	2930	12.91	12.91
753350.1	987297.6	2940	13.15	13.15
753360.1	987298	2950	13.21	13.21
753370	987298.4	2960	12.66	12.66
753380	987298.8	2970	12.54	12.54
753390	987299.2	2980	13.06	13.06
753400	987299.6	2990	12.76	12.76
753410	987300	3000	13.43	13.43
753420	987300.4	3010	13.09	13.09
753430	987300.8	3020	13.40	13.40
753440	987301.2	3030	13.52	13.52
753449.9	987301.6	3040	13.40	13.40
753459.9	987302	3050	13.40	13.40
753469.9	987302.4	3060	13.34	13.34
753479.9	987302.8	3070	13.58	13.58
753489.9	987303.2	3080	13.52	13.52
753499.9	987303.6	3090	13.67	13.67
753509.9	987304	3100	12.79	12.79
753519.9	987304.4	3110	14.50	14.50
753529.9	987304.8	3120	14.71	14.71
753539.9	987305.2	3130	13.28	13.28
753549.9	987305.6	3140	14.86	14.86
753559.9	987306	3150	13.95	13.95
753569.9	987306.4	3160	14.65	14.65
753579.9	987306.8	3170	14.28	14.28
753589.9	987307.2	3180	14.68	14.68
753599.9	987307.6	3190	14.53	14.53

Easting	Northing	Station	Conduct.	In-Phase
753609.8	987308	3200	14.68	14.68
753619.8	987308.4	3210	14.80	14.80
753629.8	987308.8	3220	14.40	14.40
753639.8	987309.2	3230	14.28	14.28
753649.8	987309.6	3240	14.34	14.34
753659.8	987310	3250	14.40	14.40
753669.8	987310.4	3260	14.68	14.68
753679.8	987310.8	3270	14.71	14.71
753689.8	987311.2	3280	14.80	14.80
753699.8	987311.6	3290	14.74	14.74
753709.8	987312	3300	14.86	14.86
753719.8	987312.4	3310	14.68	14.68
753729.8	987312.8	3320	14.68	14.68
753739.8	987313.3	3330	14.40	14.40
753749.8	987313.6	3340	14.43	14.43
753759.7	987314	3350	14.43	14.43
753769.7	987314.4	3360	14.50	14.50
753779.7	987314.8	3370	14.47	14.47
753789.7	987315.3	3380	14.28	14.28
753799.7	987315.6	3390	14.22	14.22
753809.7	987316	3400	14.37	14.37
753819.7	987316.4	3410	14.25	14.25
753829.7	987316.8	3420	14.62	14.62
LINE 3				
751411.7	987169.7	1000	14.34	14.34
751421.7	987170.1	1010	14.04	14.04
751431.7	987170.5	1020	15.11	15.11
751441.7	987170.9	1030	14.59	14.59
751451.7	987171.3	1040	15.01	15.01
751461.7	987171.7	1050	15.59	15.59
751471.7	987172.1	1060	15.17	15.17
751481.7	987172.5	1070	15.81	15.81
751491.6	987172.9	1080	15.87	15.87
751501.6	987173.3	1090	15.20	15.20
751511.6	987173.7	1100	16.45	16.45
751521.6	987174.1	1110	16.82	16.82
751531.6	987174.5	1120	17.49	17.49
751541.6	987174.9	1130	17.21	17.21
751551.6	987175.3	1140	16.85	16.85
751561.6	987175.7	1150	15.81	15.81
751571.6	987176.1	1160	15.23	15.23
751581.6	987176.5	1170	15.11	15.11
751591.6	987176.9	1180	14.28	14.28
751601.6	987177.3	1190	16.02	16.02
751611.6	987177.7	1200	15.14	15.14
751621.6	987178.1	1210	14.80	14.80
751631.6	987178.5	1220	15.14	15.14
751641.5	987178.9	1230	14.71	14.71
751651.5	987179.3	1240	13.85	13.85
751661.5	987179.7	1250	14.62	14.62
751671.5	987180.1	1260	14.47	14.47

Easting	Northing	Station	Conduct.	In-Phase
751681.5	987180.5	1270	14.83	14.83
751691.5	987180.9	1280	14.98	14.98
751701.5	987181.3	1290	15.38	15.38
751711.5	987181.7	1300	16.78	16.78
751721.4	987182.1	1310	18.65	18.65
751731.4	987182.5	1320	15.66	15.66
751741.4	987182.9	1330	16.88	16.88
751751.4	987183.3	1340	15.99	15.99
751761.4	987183.8	1350	16.11	16.11
751771.4	987184.1	1360	16.02	16.02
751781.4	987184.5	1370	13.85	13.85
751791.4	987184.9	1380	14.22	14.22
751801.4	987185.3	1390	13.79	13.79
751811.4	987185.8	1400	14.10	14.10
751821.4	987186.1	1410	13.98	13.98
751831.4	987186.6	1420	13.95	13.95
751841.4	987186.9	1430	13.76	13.76
751851.4	987187.3	1440	14.13	14.13
751861.4	987187.8	1450	14.13	14.13
751871.4	987188.1	1460	14.31	14.31
751881.3	987188.6	1470	14.34	14.34
751891.3	987188.9	1480	14.04	14.04
751901.3	987189.3	1490	14.37	14.37
751911.3	987189.8	1500	13.92	13.92
751921.3	987190.1	1510	13.89	13.89
751931.3	987190.6	1520	14.04	14.04
751941.3	987190.9	1530	13.95	13.95
751951.3	987191.4	1540	13.98	13.98
751961.3	987191.8	1550	13.40	13.40
751971.3	987192.1	1560	13.43	13.43
751981.3	987192.6	1570	13.82	13.82
751991.3	987192.9	1580	13.95	13.95
752001.3	987193.4	1590	14.04	14.04
752011.3	987193.8	1600	14.83	14.83
752021.3	987194.2	1610	14.71	14.71
752031.2	987194.6	1620	14.01	14.01
752041.2	987194.9	1630	14.62	14.62
752051.2	987195.4	1640	14.31	14.31
752061.2	987195.8	1650	14.50	14.50
752071.2	987196.2	1660	14.37	14.37
752081.2	987196.6	1670	14.74	14.74
752091.2	987196.9	1680	14.19	14.19
752101.2	987197.4	1690	14.43	14.43
752111.1	987197.8	1700	14.01	14.01
752121.1	987198.2	1710	13.79	13.79
752131.1	987198.6	1720	13.55	13.55
752141.1	987199	1730	13.34	13.34
752151.1	987199.4	1740	13.18	13.18
752161.1	987199.8	1750	13.24	13.24
752171.1	987200.2	1760	12.66	12.66
752181.1	987200.6	1770	13.73	13.73
752191.1	987201	1780	13.43	13.43
752201.1	987201.4	1790	13.09	13.09
752211.1	987201.8	1800	14.22	14.22
752221.1	987202.2	1810	13.24	13.24
752231.1	987202.6	1820	12.88	12.88
752241.1	987203	1830	13.31	13.31
752251.1	987203.4	1840	13.34	13.34
752261.1	987203.8	1850	12.66	12.66
752271	987204.2	1860	12.66	12.66
752281	987204.6	1870	12.48	12.48
752291	987205	1880	12.63	12.63
752301	987205.4	1890	12.48	12.48
752311	987205.8	1900	12.42	12.42
752321	987206.2	1910	12.27	12.27
752331	987206.6	1920	12.33	12.33
752340.9	987207	1930	12.02	12.02
752350.9	987207.4	1940	12.12	12.12
752360.9	987207.8	1950	11.90	11.90
752370.9	987208.2	1960	12.08	12.08
752380.9	987208.6	1970	12.36	12.36
752390.9	987209	1980	12.51	12.51
752400.9	987209.4	1990	12.51	12.51
752410.9	987209.8	2000	12.45	12.45
752420.9	987210.2	2010	12.51	12.51
752430.9	987210.6	2020	12.82	12.82
752440.9	987211	2030	12.73	12.73
752450.9	987211.4	2040	12.66	12.66
752460.9	987211.8	2050	13.09	13.09
752470.9	987212.2	2060	13.12	13.12
752480.9	987212.6	2070	12.73	12.73
752490.9	987213	2080	12.85	12.85
752500.8	987213.4	2090	12.70	12.70
752510.8	987213.8	2100	12.66	12.66
752520.8	987214.3	2110	12.60	12.60
752530.8	987214.6	2120	12.63	12.63
752540.8	987215	2130	12.97	12.97
752550.8	987215.4	2140	12.76	12.76
752560.8	987215.8	2150	12.45	12.45
752570.8	987216.3	2160	13.15	13.15
752580.8	987216.6	2170	13.40	13.40
752590.8	987217.1	2180	13.73	13.73
752600.8	987217.4	2190	13.92	13.92
752610.8	987217.8	2200	13.58	13.58
752620.8	987218.3	2210	13.34	13.34
752630.8	987218.6	2220	14.92	14.92
752640.8	987219.1	2230	13.73	13.73
752650.7	987219.4	2240	13.06	13.06
752660.7	987219.8	2250	13.18	13.18
752670.7	987220.3	2260	12.85	12.85
752680.7	987220.6	2270	12.97	12.97
752690.7	987221.1	2280	14.19	14.19

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752700.7	987221.4	2290	13.21	13.21	753210.3	987241.9	2800	19.20	19.20
752710.7	987221.9	2300	13.61	13.61	753220.3	987242.3	2810	21.97	21.97
752720.7	987222.3	2310	13.61	13.61	753230.3	987242.7	2820	35.92	35.92
752730.6	987222.6	2320	13.31	13.31	753240.3	987243.1	2830	80.29	80.29
752740.6	987223.1	2330	13.31	13.31	753240.3	987243.1	2830	43.91	43.91
752750.6	987223.4	2340	13.12	13.12	753250.3	987243.5	2840	23.93	23.93
752760.6	987223.9	2350	12.94	12.94	753260.3	987243.9	2850	17.12	17.12
752770.6	987224.3	2360	13.09	13.09	753270.2	987244.3	2860	15.38	15.38
752780.6	987224.7	2370	12.97	12.97	753280.2	987244.8	2870	13.37	13.37
752790.6	987225.1	2380	13.21	13.21	753290.2	987245.1	2880	13.12	13.12
752800.6	987225.4	2390	13.40	13.40	753300.2	987245.5	2890	12.94	12.94
752810.6	987225.9	2400	13.34	13.34	753310.2	987245.9	2900	13.09	13.09
752820.6	987226.3	2410	13.61	13.61	753320.2	987246.3	2910	12.79	12.79
752830.6	987226.7	2420	13.46	13.46	753330.2	987246.8	2920	12.97	12.97
752840.6	987227.1	2430	14.04	14.04	753340.2	987247.1	2930	13.00	13.00
752850.6	987227.4	2440	13.82	13.82	753350.1	987247.6	2940	12.82	12.82
752860.6	987227.9	2450	14.22	14.22	753360.1	987247.9	2950	12.85	12.85
752870.6	987228.3	2460	14.04	14.04	753370.1	987248.3	2960	12.73	12.73
752880.6	987228.7	2470	13.79	13.79	753380.1	987248.8	2970	13.03	13.03
752890.5	987229.1	2480	13.49	13.49	753390.1	987249.1	2980	12.97	12.97
752900.5	987229.5	2490	13.98	13.98	753400.1	987249.6	2990	12.76	12.76
752910.5	987229.9	2500	13.98	13.98	753410.1	987249.9	3000	13.03	13.03
752920.5	987230.3	2510	13.67	13.67	753420.1	987250.3	3010	12.91	12.91
752930.5	987230.7	2520	13.28	13.28	753430.1	987250.8	3020	13.06	13.06
752940.5	987231.1	2530	13.95	13.95	753440.1	987251.1	3030	13.00	13.00
752950.5	987231.5	2540	13.37	13.37	753450.1	987251.6	3040	13.18	13.18
752960.4	987231.9	2550	13.46	13.46	753460.1	987251.9	3050	13.06	13.06
752970.4	987232.3	2560	13.28	13.28	753470.1	987252.4	3060	13.03	13.03
752980.4	987232.7	2570	13.61	13.61	753480.1	987252.8	3070	13.00	13.00
752990.4	987233.1	2580	13.18	13.18	753490.1	987253.1	3080	13.09	13.09
753000.4	987233.5	2590	12.60	12.60	753500.1	987253.6	3090	13.03	13.03
753010.4	987233.9	2600	13.15	13.15	753510	987253.9	3100	12.51	12.51
753020.4	987234.3	2610	12.88	12.88	753520	987254.4	3110	15.23	15.23
753030.4	987234.7	2620	12.70	12.70	753530	987254.8	3120	12.94	12.94
753040.4	987235.1	2630	12.97	12.97	753540	987255.2	3130	13.21	13.21
753050.4	987235.5	2640	12.94	12.94	753550	987255.6	3140	13.98	13.98
753060.4	987235.9	2650	12.97	12.97	753560	987255.9	3150	13.67	13.67
753070.4	987236.3	2660	12.91	12.91	753570	987256.4	3160	13.85	13.85
753080.4	987236.7	2670	12.82	12.82	753579.9	987256.8	3170	13.34	13.34
753090.4	987237.1	2680	13.61	13.61	753589.9	987257.2	3180	13.64	13.64
753100.4	987237.5	2690	13.37	13.37	753599.9	987257.6	3190	13.09	13.09
753110.4	987237.9	2700	13.37	13.37	753609.9	987257.9	3200	13.43	13.43
753120.3	987238.3	2710	13.46	13.46	753619.9	987258.4	3210	13.34	13.34
753130.3	987238.7	2720	13.40	13.40	753629.9	987258.8	3220	13.73	13.73
753140.3	987239.1	2730	13.64	13.64	753639.9	987259.2	3230	13.58	13.58
753150.3	987239.5	2740	13.43	13.43	753649.9	987259.6	3240	14.13	14.13
753160.3	987239.9	2750	13.06	13.06	753659.9	987260	3250	13.76	13.76
753170.3	987240.3	2760	13.92	13.92	753669.9	987260.4	3260	14.07	14.07
753180.3	987240.7	2770	14.04	14.04	753679.9	987260.8	3270	14.04	14.04
753190.3	987241.1	2780	14.28	14.28	753689.9	987261.2	3280	13.98	13.98
753200.3	987241.5	2790	14.98	14.98	753699.9	987261.6	3290	14.13	14.13

Easting	Northing	Station	Conduct.	In-Phase
753709.9	987262	3300	13.95	13.95
753719.9	987262.4	3310	14.04	14.04
753729.9	987262.8	3320	14.25	14.25
753739.8	987263.2	3330	13.89	13.89
753749.8	987263.6	3340	13.49	13.49
753759.8	987264	3350	13.61	13.61
753769.8	987264.4	3360	13.37	13.37
753779.8	987264.8	3370	13.52	13.52
753789.8	987265.2	3380	13.21	13.21
753799.8	987265.6	3390	13.40	13.40
753809.8	987266	3400	13.61	13.61
753819.8	987266.4	3410	13.24	13.24
753829.8	987266.8	3420	12.97	12.97
LINE 4				
751411.8	987119.6	1000	13.31	13.31
751421.8	987120.1	1010	13.37	13.37
751431.8	987120.4	1020	13.31	13.31
751441.8	987120.9	1030	12.94	12.94
751451.8	987121.3	1040	13.40	13.40
751461.8	987121.6	1050	13.70	13.70
751471.8	987122.1	1060	13.43	13.43
751481.8	987122.4	1070	13.49	13.49
751491.8	987122.9	1080	13.31	13.31
751501.8	987123.3	1090	13.76	13.76
751511.8	987123.6	1100	13.67	13.67
751521.8	987124.1	1110	14.25	14.25
751531.8	987124.4	1120	14.31	14.31
751541.8	987124.9	1130	13.92	13.92
751551.7	987125.3	1140	13.64	13.64
751561.7	987125.7	1150	14.62	14.62
751571.7	987126.1	1160	14.65	14.65
751581.7	987126.4	1170	14.19	14.19
751591.7	987126.9	1180	14.16	14.16
751601.7	987127.3	1190	14.65	14.65
751611.7	987127.7	1200	14.13	14.13
751621.6	987128.1	1210	14.80	14.80
751631.6	987128.5	1220	14.95	14.95
751641.6	987128.9	1230	14.40	14.40
751651.6	987129.3	1240	14.92	14.92
751661.6	987129.7	1250	13.52	13.52
751671.6	987130.1	1260	14.25	14.25
751681.6	987130.5	1270	14.50	14.50
751691.6	987130.9	1280	15.38	15.38
751701.6	987131.3	1290	15.38	15.38
751711.6	987131.7	1300	18.28	18.28
751721.6	987132.1	1310	16.08	16.08
751731.6	987132.5	1320	15.96	15.96
751741.6	987132.9	1330	16.42	16.42
751751.6	987133.3	1340	15.08	15.08
751761.6	987133.7	1350	16.24	16.24
751771.6	987134.1	1360	13.52	13.52

Easting	Northing	Station	Conduct.	In-Phase
751781.5	987134.5	1370	14.22	14.22
751791.5	987134.9	1380	14.34	14.34
751801.5	987135.3	1390	14.01	14.01
751811.5	987135.7	1400	13.89	13.89
751821.5	987136.1	1410	13.31	13.31
751831.5	987136.5	1420	13.28	13.28
751841.5	987136.9	1430	14.10	14.10
751851.5	987137.3	1440	13.79	13.79
751861.4	987137.7	1450	13.89	13.89
751871.4	987138.1	1460	14.56	14.56
751881.4	987138.5	1470	13.52	13.52
751891.4	987138.9	1480	13.46	13.46
751901.4	987139.3	1490	13.55	13.55
751911.4	987139.7	1500	13.06	13.06
751921.4	987140.1	1510	13.12	13.12
751931.4	987140.5	1520	13.40	13.40
751941.4	987140.9	1530	13.28	13.28
751951.4	987141.3	1540	13.24	13.24
751961.4	987141.7	1550	13.67	13.67
751971.4	987142.1	1560	13.58	13.58
751981.4	987142.5	1570	13.95	13.95
751991.4	987142.9	1580	13.76	13.76
752001.4	987143.3	1590	13.98	13.98
752011.3	987143.8	1600	13.64	13.64
752021.3	987144.1	1610	13.67	13.67
752031.3	987144.5	1620	13.43	13.43
752041.3	987144.9	1630	13.52	13.52
752051.3	987145.3	1640	13.64	13.64
752061.3	987145.8	1650	13.73	13.73
752071.3	987146.1	1660	13.31	13.31
752081.3	987146.5	1670	13.76	13.76
752091.3	987146.9	1680	13.40	13.40
752101.3	987147.3	1690	13.58	13.58
752111.3	987147.8	1700	13.00	13.00
752121.3	987148.1	1710	12.70	12.70
752131.3	987148.6	1720	13.00	13.00
752141.3	987148.9	1730	12.73	12.73
752151.3	987149.3	1740	13.03	13.03
752161.3	987149.8	1750	12.79	12.79
752171.2	987150.1	1760	12.54	12.54
752181.2	987150.6	1770	12.70	12.70
752191.2	987150.9	1780	12.73	12.73
752201.2	987151.4	1790	13.21	13.21
752211.2	987151.8	1800	13.06	13.06
752221.2	987152.1	1810	13.31	13.31
752231.2	987152.6	1820	13.28	13.28
752241.1	987152.9	1830	13.76	13.76
752251.1	987153.4	1840	13.43	13.43
752261.1	987153.8	1850	13.79	13.79
752271.1	987154.1	1860	14.59	14.59
752281.1	987154.6	1870	13.52	13.52

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752291.1	987154.9	1880	14.37	14.37	752800.7	987175.4	2390	13.55	13.55
752301.1	987155.4	1890	14.28	14.28	752810.7	987175.8	2400	13.31	13.31
752311.1	987155.8	1900	14.83	14.83	752820.7	987176.3	2410	13.64	13.64
752321.1	987156.2	1910	15.01	15.01	752830.7	987176.6	2420	13.79	13.79
752331.1	987156.6	1920	14.68	14.68	752840.7	987177	2430	14.28	14.28
752341.1	987156.9	1930	14.53	14.53	752850.7	987177.4	2440	13.89	13.89
752351.1	987157.4	1940	15.11	15.11	752860.6	987177.8	2450	14.71	14.71
752361.1	987157.8	1950	14.31	14.31	752870.6	987178.3	2460	13.70	13.70
752371.1	987158.2	1960	14.43	14.43	752880.6	987178.6	2470	13.95	13.95
752381.1	987158.6	1970	14.47	14.47	752890.6	987179.1	2480	14.13	14.13
752391.1	987159	1980	14.19	14.19	752900.6	987179.4	2490	14.16	14.16
752401	987159.4	1990	14.04	14.04	752910.6	987179.8	2500	13.89	13.89
752411	987159.8	2000	13.61	13.61	752920.6	987180.3	2510	14.19	14.19
752421	987160.2	2010	14.01	14.01	752930.6	987180.6	2520	14.10	14.10
752431	987160.6	2020	14.04	14.04	752940.6	987181.1	2530	13.98	13.98
752441	987161	2030	13.64	13.64	752950.6	987181.4	2540	15.29	15.29
752451	987161.4	2040	13.28	13.28	752960.6	987181.9	2550	14.07	14.07
752461	987161.8	2050	13.70	13.70	752970.6	987182.3	2560	13.79	13.79
752471	987162.2	2060	13.12	13.12	752980.6	987182.6	2570	13.85	13.85
752480.9	987162.6	2070	12.97	12.97	752990.6	987183.1	2580	13.49	13.49
752490.9	987163	2080	13.24	13.24	753000.6	987183.4	2590	13.70	13.70
752500.9	987163.4	2090	13.06	13.06	753010.6	987183.9	2600	13.43	13.43
752510.9	987163.8	2100	12.66	12.66	753020.5	987184.3	2610	13.15	13.15
752520.9	987164.2	2110	12.33	12.33	753030.5	987184.6	2620	13.18	13.18
752530.9	987164.6	2120	12.76	12.76	753040.5	987185.1	2630	13.24	13.24
752540.9	987165	2130	12.30	12.30	753050.5	987185.4	2640	13.55	13.55
752550.9	987165.4	2140	12.66	12.66	753060.5	987185.9	2650	13.28	13.28
752560.9	987165.8	2150	12.48	12.48	753070.5	987186.3	2660	13.52	13.52
752570.9	987166.2	2160	12.08	12.08	753080.5	987186.7	2670	13.46	13.46
752580.9	987166.6	2170	13.40	13.40	753090.5	987187.1	2680	13.85	13.85
752590.9	987167	2180	13.24	13.24	753100.4	987187.4	2690	13.58	13.58
752600.9	987167.4	2190	12.66	12.66	753110.4	987187.9	2700	13.52	13.52
752610.9	987167.8	2200	12.79	12.79	753120.4	987188.3	2710	13.37	13.37
752620.9	987168.2	2210	11.78	11.78	753130.4	987188.7	2720	13.76	13.76
752630.8	987168.6	2220	12.60	12.60	753140.4	987189.1	2730	13.85	13.85
752640.8	987169	2230	12.88	12.88	753150.4	987189.5	2740	13.58	13.58
752650.8	987169.4	2240	12.70	12.70	753160.4	987189.9	2750	14.01	14.01
752660.8	987169.8	2250	12.51	12.51	753170.4	987190.3	2760	13.85	13.85
752670.8	987170.2	2260	12.85	12.85	753180.4	987190.7	2770	13.95	13.95
752680.8	987170.6	2270	12.73	12.73	753190.4	987191.1	2780	14.16	14.16
752690.8	987171	2280	12.73	12.73	753200.4	987191.5	2790	14.71	14.71
752700.8	987171.4	2290	12.39	12.39	753210.4	987191.9	2800	14.98	14.98
752710.8	987171.8	2300	12.88	12.88	753220.4	987192.3	2810	15.62	15.62
752720.8	987172.2	2310	12.51	12.51	753230.4	987192.7	2820	16.17	16.17
752730.8	987172.6	2320	12.60	12.60	753240.4	987193.1	2830	26.73	26.73
752740.8	987173	2330	12.85	12.85	753250.3	987193.5	2840	38.51	38.51
752750.8	987173.4	2340	12.88	12.88	753250.3	987193.5	2840	35.16	35.16
752760.8	987173.8	2350	13.09	13.09	753260.3	987193.9	2850	41.81	41.81
752770.8	987174.3	2360	13.06	13.06	753260.3	987193.9	2850	35.00	35.00
752780.8	987174.6	2370	13.49	13.49	753270.3	987194.3	2860	19.17	19.17
752790.7	987175	2380	13.46	13.46	753280.3	987194.7	2870	17.52	17.52

Easting	Northing	Station	Conduct.	In-Phase
753290.3	987195.1	2880	11.78	11.78
753300.3	987195.5	2890	15.29	15.29
753310.3	987195.9	2900	14.01	14.01
753320.3	987196.3	2910	13.95	13.95
753330.3	987196.7	2920	14.13	14.13
753340.3	987197.1	2930	14.56	14.56
753350.3	987197.5	2940	13.89	13.89
753360.3	987197.9	2950	13.34	13.34
753370.3	987198.3	2960	13.31	13.31
753380.3	987198.7	2970	13.24	13.24
753390.3	987199.1	2980	13.61	13.61
753400.3	987199.5	2990	13.55	13.55
753410.2	987199.9	3000	13.79	13.79
753420.2	987200.3	3010	13.89	13.89
753430.2	987200.7	3020	13.67	13.67
753440.2	987201.1	3030	13.31	13.31
753450.2	987201.5	3040	13.46	13.46
753460.2	987201.9	3050	13.43	13.43
753470.2	987202.3	3060	13.61	13.61
753480.2	987202.7	3070	13.28	13.28
753490.1	987203.1	3080	13.40	13.40
753500.1	987203.5	3090	13.12	13.12
753510.1	987203.9	3100	12.97	12.97
753520.1	987204.3	3110	13.00	13.00
753530.1	987204.8	3120	15.26	15.26
753540.1	987205.1	3130	13.24	13.24
753550.1	987205.5	3140	13.89	13.89
753560.1	987205.9	3150	13.95	13.95
753570.1	987206.3	3160	13.92	13.92
753580.1	987206.8	3170	13.43	13.43
753590.1	987207.1	3180	13.40	13.40
753600.1	987207.5	3190	13.43	13.43
753610.1	987207.9	3200	12.91	12.91
753620.1	987208.3	3210	13.12	13.12
753630.1	987208.8	3220	13.03	13.03
753640	987209.1	3230	13.67	13.67
753650	987209.6	3240	13.46	13.46
753660	987209.9	3250	13.73	13.73
753670	987210.3	3260	14.10	14.10
753680	987210.8	3270	13.89	13.89
753690	987211.1	3280	13.73	13.73
753700	987211.6	3290	13.67	13.67
753710	987211.9	3300	13.79	13.79
753719.9	987212.4	3310	13.85	13.85
753729.9	987212.8	3320	13.92	13.92
753739.9	987213.1	3330	14.07	14.07
753749.9	987213.6	3340	14.04	14.04
753759.9	987213.9	3350	13.82	13.82
753769.9	987214.4	3360	13.40	13.40
753779.9	987214.8	3370	12.82	12.82
753789.9	987215.1	3380	12.76	12.76

Easting	Northing	Station	Conduct.	In-Phase
753799.9	987215.6	3390	12.73	12.73
753809.9	987215.9	3400	12.76	12.76
753819.9	987216.4	3410	12.39	12.39
753829.9	987216.8	3420	13.15	13.15
LINE 5				
751411.9	987069.6	1000	12.79	12.79
751421.9	987070	1010	12.97	12.97
751431.9	987070.4	1020	13.15	13.15
751441.9	987070.8	1030	12.88	12.88
751451.9	987071.2	1040	13.40	13.40
751461.9	987071.6	1050	13.34	13.34
751471.9	987072	1060	13.64	13.64
751481.9	987072.4	1070	13.31	13.31
751491.9	987072.8	1080	13.34	13.34
751501.9	987073.2	1090	13.18	13.18
751511.9	987073.6	1100	13.43	13.43
751521.9	987074	1110	13.76	13.76
751531.8	987074.4	1120	14.16	14.16
751541.8	987074.8	1130	13.82	13.82
751551.8	987075.3	1140	14.04	14.04
751561.8	987075.6	1150	14.53	14.53
751571.8	987076	1160	14.22	14.22
751581.8	987076.4	1170	14.10	14.10
751591.8	987076.8	1180	14.19	14.19
751601.8	987077.3	1190	14.16	14.16
751611.8	987077.6	1200	14.04	14.04
751621.8	987078.1	1210	14.28	14.28
751631.8	987078.4	1220	14.34	14.34
751641.8	987078.8	1230	13.92	13.92
751651.8	987079.3	1240	13.70	13.70
751661.8	987079.6	1250	14.10	14.10
751671.8	987080.1	1260	14.43	14.43
751681.7	987080.4	1270	14.92	14.92
751691.7	987080.8	1280	15.59	15.59
751701.7	987081.3	1290	14.86	14.86
751711.7	987081.6	1300	15.75	15.75
751721.7	987082.1	1310	15.69	15.69
751731.7	987082.4	1320	17.36	17.36
751741.7	987082.9	1330	15.11	15.11
751751.7	987083.3	1340	17.24	17.24
751761.6	987083.6	1350	14.01	14.01
751771.6	987084.1	1360	18.77	18.77
751781.6	987084.4	1370	14.98	14.98
751791.6	987084.9	1380	13.89	13.89
751801.6	987085.3	1390	14.31	14.31
751811.6	987085.7	1400	14.74	14.74
751821.6	987086.1	1410	13.37	13.37
751831.6	987086.4	1420	13.37	13.37
751841.6	987086.9	1430	14.10	14.10
751851.6	987087.3	1440	13.67	13.67
751861.6	987087.7	1450	13.79	13.79

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
751871.6	987088.1	1460	13.85	13.85	752381.1	987108.6	1970	14.34	14.34
751881.6	987088.4	1470	13.67	13.67	752391.1	987108.9	1980	13.73	13.73
751891.6	987088.9	1480	13.73	13.73	752401.1	987109.3	1990	13.82	13.82
751901.6	987089.3	1490	13.55	13.55	752411.1	987109.8	2000	13.09	13.09
751911.5	987089.7	1500	14.10	14.10	752421.1	987110.1	2010	13.67	13.67
751921.5	987090.1	1510	13.95	13.95	752431.1	987110.6	2020	13.00	13.00
751931.5	987090.5	1520	13.92	13.92	752441.1	987110.9	2030	13.28	13.28
751941.5	987090.9	1530	13.92	13.92	752451.1	987111.3	2040	13.18	13.18
751951.5	987091.3	1540	13.15	13.15	752461.1	987111.8	2050	13.21	13.21
751961.5	987091.7	1550	13.37	13.37	752471.1	987112.1	2060	13.18	13.18
751971.5	987092.1	1560	13.31	13.31	752481.1	987112.6	2070	13.12	13.12
751981.5	987092.5	1570	12.91	12.91	752491.1	987112.9	2080	12.97	12.97
751991.4	987092.9	1580	13.34	13.34	752501.1	987113.4	2090	13.52	13.52
752001.4	987093.3	1590	13.37	13.37	752511.1	987113.8	2100	12.79	12.79
752011.4	987093.7	1600	13.24	13.24	752521.1	987114.1	2110	13.03	13.03
752021.4	987094.1	1610	13.40	13.40	752531	987114.6	2120	12.79	12.79
752031.4	987094.5	1620	13.24	13.24	752541	987114.9	2130	12.45	12.45
752041.4	987094.9	1630	13.18	13.18	752551	987115.4	2140	12.42	12.42
752051.4	987095.3	1640	13.28	13.28	752561	987115.8	2150	12.54	12.54
752061.4	987095.7	1650	13.34	13.34	752571	987116.2	2160	12.30	12.30
752071.4	987096.1	1660	13.28	13.28	752581	987116.6	2170	12.57	12.57
752081.4	987096.5	1670	13.21	13.21	752591	987116.9	2180	13.09	13.09
752091.4	987096.9	1680	13.43	13.43	752601	987117.4	2190	12.15	12.15
752101.4	987097.3	1690	13.21	13.21	752610.9	987117.8	2200	12.73	12.73
752111.4	987097.7	1700	12.91	12.91	752620.9	987118.2	2210	13.09	13.09
752121.4	987098.1	1710	12.91	12.91	752630.9	987118.6	2220	12.51	12.51
752131.4	987098.5	1720	13.15	13.15	752640.9	987118.9	2230	13.09	13.09
752141.4	987098.9	1730	12.70	12.70	752650.9	987119.4	2240	12.45	12.45
752151.3	987099.3	1740	13.03	13.03	752660.9	987119.8	2250	13.03	13.03
752161.3	987099.7	1750	12.73	12.73	752670.9	987120.2	2260	12.70	12.70
752171.3	987100.1	1760	12.66	12.66	752680.9	987120.6	2270	12.97	12.97
752181.3	987100.5	1770	12.57	12.57	752690.9	987121	2280	12.91	12.91
752191.3	987100.9	1780	12.82	12.82	752700.9	987121.4	2290	12.82	12.82
752201.3	987101.3	1790	12.94	12.94	752710.9	987121.8	2300	13.15	13.15
752211.3	987101.7	1800	13.24	13.24	752720.9	987122.2	2310	12.63	12.63
752221.3	987102.1	1810	13.49	13.49	752730.9	987122.6	2320	13.06	13.06
752231.3	987102.5	1820	13.73	13.73	752740.9	987123	2330	12.73	12.73
752241.3	987102.9	1830	13.92	13.92	752750.9	987123.4	2340	12.48	12.48
752251.3	987103.3	1840	13.98	13.98	752760.9	987123.8	2350	12.91	12.91
752261.3	987103.7	1850	13.76	13.76	752770.8	987124.2	2360	12.91	12.91
752271.3	987104.1	1860	13.85	13.85	752780.8	987124.6	2370	13.31	13.31
752281.3	987104.5	1870	13.82	13.82	752790.8	987125	2380	13.40	13.40
752291.3	987104.9	1880	13.85	13.85	752800.8	987125.4	2390	13.28	13.28
752301.2	987105.3	1890	13.79	13.79	752810.8	987125.8	2400	13.21	13.21
752311.2	987105.8	1900	14.04	14.04	752820.8	987126.2	2410	12.48	12.48
752321.2	987106.1	1910	13.79	13.79	752830.8	987126.6	2420	13.15	13.15
752331.2	987106.5	1920	14.07	14.07	752840.8	987127	2430	13.12	13.12
752341.2	987106.9	1930	13.76	13.76	752850.8	987127.4	2440	13.00	13.00
752351.2	987107.3	1940	14.19	14.19	752860.8	987127.8	2450	13.64	13.64
752361.2	987107.8	1950	13.92	13.92	752870.8	987128.2	2460	13.31	13.31
752371.2	987108.1	1960	14.40	14.40	752880.8	987128.6	2470	13.43	13.43

Easting	Northing	Station	Conduct.	In-Phase
752890.8	987129	2480	13.24	13.24
752900.8	987129.4	2490	13.55	13.55
752910.8	987129.8	2500	13.82	13.82
752920.7	987130.2	2510	13.67	13.67
752930.7	987130.6	2520	13.76	13.76
752940.7	987131	2530	14.19	14.19
752950.7	987131.4	2540	14.31	14.31
752960.7	987131.8	2550	14.07	14.07
752970.7	987132.2	2560	13.85	13.85
752980.7	987132.6	2570	14.04	14.04
752990.7	987133	2580	13.61	13.61
753000.6	987133.4	2590	13.37	13.37
753010.6	987133.8	2600	13.98	13.98
753020.6	987134.2	2610	13.76	13.76
753030.6	987134.6	2620	13.12	13.12
753040.6	987135	2630	13.58	13.58
753050.6	987135.4	2640	13.43	13.43
753060.6	987135.8	2650	12.97	12.97
753070.6	987136.3	2660	12.94	12.94
753080.6	987136.6	2670	12.94	12.94
753090.6	987137	2680	13.18	13.18
753100.6	987137.4	2690	12.54	12.54
753110.6	987137.8	2700	12.94	12.94
753120.6	987138.3	2710	12.91	12.91
753130.6	987138.6	2720	12.85	12.85
753140.6	987139.1	2730	12.91	12.91
753150.5	987139.4	2740	12.94	12.94
753160.5	987139.8	2750	12.91	12.91
753170.5	987140.3	2760	13.21	13.21
753180.5	987140.6	2770	13.15	13.15
753190.5	987141.1	2780	13.18	13.18
753200.5	987141.4	2790	12.63	12.63
753210.5	987141.8	2800	13.58	13.58
753220.5	987142.3	2810	14.28	14.28
753230.4	987142.6	2820	14.16	14.16
753240.4	987143.1	2830	14.53	14.53
753250.4	987143.4	2840	14.89	14.89
753260.4	987143.9	2850	15.50	15.50
753270.4	987144.3	2860	16.57	16.57
753280.4	987144.6	2870	19.90	19.90
753290.4	987145.1	2880	32.71	32.71
753310.4	987145.9	2900	31.86	31.86
753320.4	987146.3	2910	18.43	18.43
753330.4	987146.7	2920	15.99	15.99
753340.4	987147.1	2930	15.35	15.35
753350.4	987147.4	2940	14.65	14.65
753360.4	987147.9	2950	14.34	14.34
753370.4	987148.3	2960	13.92	13.92
753380.4	987148.7	2970	13.67	13.67
753390.3	987149.1	2980	13.95	13.95
753400.3	987149.4	2990	13.73	13.73
753410.3	987149.9	3000	13.85	13.85
753420.3	987150.3	3010	13.37	13.37
753430.3	987150.7	3020	13.58	13.58
753440.3	987151.1	3030	13.79	13.79
753450.3	987151.5	3040	13.61	13.61
753460.3	987151.9	3050	13.89	13.89
753470.3	987152.3	3060	13.95	13.95
753480.3	987152.7	3070	13.70	13.70
753490.3	987153.1	3080	13.55	13.55
753500.3	987153.5	3090	13.73	13.73
753510.3	987153.9	3100	12.94	12.94
753520.3	987154.3	3110	13.49	13.49
753530.3	987154.7	3120	14.77	14.77
753540.2	987155.1	3130	13.55	13.55
753550.2	987155.5	3140	13.76	13.76
753560.2	987155.9	3150	13.61	13.61
753570.2	987156.3	3160	13.82	13.82
753580.2	987156.7	3170	14.22	14.22
753590.2	987157.1	3180	14.10	14.10
753600.2	987157.5	3190	14.25	14.25
753610.2	987157.9	3200	14.31	14.31
753620.1	987158.3	3210	14.43	14.43
753630.1	987158.7	3220	14.83	14.83
753640.1	987159.1	3230	14.47	14.47
753650.1	987159.5	3240	14.53	14.53
753660.1	987159.9	3250	14.86	14.86
753670.1	987160.3	3260	15.20	15.20
753680.1	987160.7	3270	15.20	15.20
753690.1	987161.1	3280	14.80	14.80
753700.1	987161.5	3290	15.44	15.44
753710.1	987161.9	3300	14.80	14.80
753720.1	987162.3	3310	14.53	14.53
753730.1	987162.7	3320	14.34	14.34
753740.1	987163.1	3330	14.28	14.28
753750.1	987163.5	3340	14.43	14.43
753760.1	987163.9	3350	14.16	14.16
753770	987164.3	3360	14.01	14.01
753780	987164.7	3370	14.19	14.19
753790	987165.1	3380	14.13	14.13
753800	987165.5	3390	13.89	13.89
753810	987165.9	3400	14.01	14.01
753820	987166.3	3410	14.65	14.65
753830	987166.8	3420	14.95	14.95
LINE 6				
751412.1	987019.6	1000	12.79	12.79
751422.1	987020	1010	13.28	13.28
751432	987020.4	1020	12.85	12.85
751442	987020.8	1030	11.63	11.63
751452	987021.2	1040	13.58	13.58
751462	987021.6	1050	13.31	13.31
751472	987022	1060	13.24	13.24

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
751482	987022.4	1070	13.12	13.12	751991.6	987042.9	1580	13.61	13.61
751492	987022.8	1080	13.31	13.31	752001.6	987043.3	1590	14.25	14.25
751501.9	987023.2	1090	13.61	13.61	752011.6	987043.6	1600	14.13	14.13
751511.9	987023.6	1100	13.61	13.61	752021.6	987044.1	1610	14.28	14.28
751521.9	987024	1110	13.55	13.55	752031.6	987044.4	1620	13.89	13.89
751531.9	987024.4	1120	13.55	13.55	752041.6	987044.9	1630	13.49	13.49
751541.9	987024.8	1130	13.79	13.79	752051.5	987045.3	1640	13.67	13.67
751551.9	987025.2	1140	13.95	13.95	752061.5	987045.6	1650	12.88	12.88
751561.9	987025.6	1150	14.01	14.01	752071.5	987046.1	1660	14.10	14.10
751571.9	987026	1160	13.98	13.98	752081.5	987046.4	1670	14.37	14.37
751581.9	987026.4	1170	14.01	14.01	752091.5	987046.9	1680	13.73	13.73
751591.9	987026.8	1180	14.47	14.47	752101.5	987047.3	1690	14.65	14.65
751601.9	987027.2	1190	13.73	13.73	752111.5	987047.7	1700	14.74	14.74
751611.9	987027.6	1200	13.46	13.46	752121.4	987048.1	1710	14.13	14.13
751621.9	987028	1210	14.10	14.10	752131.4	987048.4	1720	14.13	14.13
751631.9	987028.4	1220	14.10	14.10	752141.4	987048.9	1730	14.40	14.40
751641.9	987028.8	1230	14.10	14.10	752151.4	987049.3	1740	14.47	14.47
751651.9	987029.2	1240	14.34	14.34	752161.4	987049.7	1750	13.98	13.98
751661.8	987029.6	1250	14.25	14.25	752171.4	987050.1	1760	14.04	14.04
751671.8	987030	1260	14.28	14.28	752181.4	987050.5	1770	14.04	14.04
751681.8	987030.4	1270	14.19	14.19	752191.4	987050.9	1780	14.86	14.86
751691.8	987030.8	1280	14.71	14.71	752201.4	987051.3	1790	13.89	13.89
751701.8	987031.2	1290	14.31	14.31	752211.4	987051.7	1800	14.56	14.56
751711.8	987031.6	1300	14.37	14.37	752221.4	987052.1	1810	14.04	14.04
751721.8	987032	1310	18.74	18.74	752231.4	987052.5	1820	13.52	13.52
751731.8	987032.4	1320	14.56	14.56	752241.4	987052.9	1830	15.23	15.23
751741.8	987032.8	1330	16.63	16.63	752251.4	987053.3	1840	14.10	14.10
751751.8	987033.2	1340	15.93	15.93	752261.4	987053.7	1850	13.55	13.55
751761.8	987033.6	1350	16.91	16.91	752271.4	987054.1	1860	14.07	14.07
751771.8	987034	1360	17.85	17.85	752281.3	987054.5	1870	14.25	14.25
751781.8	987034.4	1370	13.46	13.46	752291.3	987054.9	1880	14.74	14.74
751791.8	987034.8	1380	14.04	14.04	752301.3	987055.3	1890	13.61	13.61
751801.8	987035.3	1390	13.79	13.79	752311.3	987055.7	1900	14.68	14.68
751811.7	987035.6	1400	14.16	14.16	752321.3	987056.1	1910	14.65	14.65
751821.7	987036	1410	14.22	14.22	752331.3	987056.5	1920	14.59	14.59
751831.7	987036.4	1420	14.04	14.04	752341.3	987056.9	1930	14.92	14.92
751841.7	987036.8	1430	13.73	13.73	752351.3	987057.3	1940	14.53	14.53
751851.7	987037.3	1440	13.76	13.76	752361.3	987057.7	1950	14.53	14.53
751861.7	987037.6	1450	13.00	13.00	752371.3	987058.1	1960	14.71	14.71
751871.7	987038	1460	13.12	13.12	752381.3	987058.5	1970	14.50	14.50
751881.7	987038.4	1470	13.18	13.18	752391.3	987058.9	1980	14.10	14.10
751891.6	987038.8	1480	13.98	13.98	752401.3	987059.3	1990	14.10	14.10
751901.6	987039.3	1490	13.06	13.06	752411.3	987059.7	2000	14.28	14.28
751911.6	987039.6	1500	13.49	13.49	752421.3	987060.1	2010	14.56	14.56
751921.6	987040.1	1510	11.75	11.75	752431.3	987060.5	2020	14.22	14.22
751931.6	987040.4	1520	12.85	12.85	752441.2	987060.9	2030	15.66	15.66
751941.6	987040.8	1530	12.76	12.76	752451.2	987061.3	2040	13.79	13.79
751951.6	987041.3	1540	12.63	12.63	752461.2	987061.7	2050	14.22	14.22
751961.6	987041.6	1550	13.06	13.06	752471.2	987062.1	2060	14.40	14.40
751971.6	987042.1	1560	13.40	13.40	752481.2	987062.5	2070	13.46	13.46
751981.6	987042.4	1570	13.49	13.49	752491.2	987062.9	2080	13.79	13.79

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752501.2	987063.3	2090	13.15	13.15	753010.8	987083.8	2600	14.40	14.40
752511.1	987063.7	2100	13.76	13.76	753020.8	987084.2	2610	13.85	13.85
752521.1	987064.1	2110	13.40	13.40	753030.8	987084.6	2620	14.43	14.43
752531.1	987064.5	2120	13.46	13.46	753040.8	987085	2630	13.92	13.92
752541.1	987064.9	2130	12.76	12.76	753050.8	987085.4	2640	13.85	13.85
752551.1	987065.3	2140	13.79	13.79	753060.7	987085.8	2650	13.73	13.73
752561.1	987065.8	2150	12.51	12.51	753070.7	987086.2	2660	13.73	13.73
752571.1	987066.1	2160	13.12	13.12	753080.7	987086.6	2670	13.58	13.58
752581.1	987066.5	2170	13.64	13.64	753090.7	987087	2680	13.89	13.89
752591.1	987066.9	2180	12.05	12.05	753100.7	987087.4	2690	9.89	9.89
752601.1	987067.3	2190	12.79	12.79	753110.7	987087.8	2700	13.15	13.15
752611.1	987067.8	2200	13.49	13.49	753120.7	987088.2	2710	13.37	13.37
752621.1	987068.1	2210	12.63	12.63	753130.6	987088.6	2720	13.49	13.49
752631.1	987068.5	2220	12.24	12.24	753140.6	987089	2730	13.37	13.37
752641.1	987068.9	2230	11.69	11.69	753150.6	987089.4	2740	13.46	13.46
752651.1	987069.3	2240	12.39	12.39	753160.6	987089.8	2750	13.15	13.15
752661.1	987069.8	2250	12.36	12.36	753170.6	987090.2	2760	13.09	13.09
752671	987070.1	2260	12.42	12.42	753180.6	987090.6	2770	13.24	13.24
752681	987070.6	2270	13.40	13.40	753190.6	987091	2780	13.37	13.37
752691	987070.9	2280	12.21	12.21	753200.6	987091.4	2790	13.37	13.37
752701	987071.3	2290	12.12	12.12	753210.6	987091.8	2800	13.12	13.12
752711	987071.8	2300	13.15	13.15	753220.6	987092.2	2810	13.76	13.76
752721	987072.1	2310	12.76	12.76	753230.6	987092.6	2820	14.62	14.62
752731	987072.6	2320	12.73	12.73	753240.6	987093	2830	14.59	14.59
752741	987072.9	2330	13.03	13.03	753250.6	987093.4	2840	14.95	14.95
752750.9	987073.4	2340	12.70	12.70	753260.6	987093.8	2850	16.36	16.36
752760.9	987073.8	2350	12.94	12.94	753270.6	987094.2	2860	17.76	17.76
752770.9	987074.1	2360	12.63	12.63	753280.6	987094.6	2870	20.23	20.23
752780.9	987074.6	2370	13.15	13.15	753290.5	987095	2880	24.17	24.17
752790.9	987074.9	2380	15.47	15.47	753330.5	987096.6	2920	69.46	69.46
752800.9	987075.4	2390	13.18	13.18	753340.5	987097	2930	30.18	30.18
752810.9	987075.8	2400	12.73	12.73	753350.5	987097.4	2940	18.31	18.31
752820.9	987076.1	2410	12.48	12.48	753360.5	987097.8	2950	15.84	15.84
752830.9	987076.6	2420	13.52	13.52	753370.4	987098.3	2960	15.69	15.69
752840.9	987076.9	2430	14.19	14.19	753380.4	987098.6	2970	15.05	15.05
752850.9	987077.4	2440	13.73	13.73	753390.4	987099	2980	14.47	14.47
752860.9	987077.8	2450	13.92	13.92	753400.4	987099.4	2990	14.68	14.68
752870.9	987078.2	2460	13.85	13.85	753410.4	987099.8	3000	13.73	13.73
752880.9	987078.6	2470	13.49	13.49	753420.4	987100.3	3010	14.07	14.07
752890.9	987078.9	2480	13.21	13.21	753430.4	987100.6	3020	13.64	13.64
752900.8	987079.4	2490	13.89	13.89	753440.4	987101.1	3030	13.76	13.76
752910.8	987079.8	2500	14.01	14.01	753450.4	987101.4	3040	13.89	13.89
752920.8	987080.2	2510	13.92	13.92	753460.4	987101.8	3050	14.22	14.22
752930.8	987080.6	2520	14.01	14.01	753470.4	987102.3	3060	13.40	13.40
752940.8	987081	2530	14.28	14.28	753480.4	987102.6	3070	14.01	14.01
752950.8	987081.4	2540	14.19	14.19	753490.4	987103.1	3080	13.67	13.67
752960.8	987081.8	2550	14.31	14.31	753500.4	987103.4	3090	13.34	13.34
752970.8	987082.2	2560	14.95	14.95	753510.4	987103.9	3100	13.85	13.85
752980.8	987082.6	2570	14.50	14.50	753520.3	987104.3	3110	13.37	13.37
752990.8	987083	2580	14.28	14.28	753530.3	987104.6	3120	14.47	14.47
753000.8	987083.4	2590	14.01	14.01	753540.3	987105.1	3130	14.62	14.62

Easting	Northing	Station	Conduct.	In-Phase
753550.3	987105.4	3140	14.07	14.07
753560.3	987105.9	3150	13.64	13.64
753570.3	987106.3	3160	13.82	13.82
753580.3	987106.6	3170	14.13	14.13
753590.3	987107.1	3180	14.19	14.19
753600.3	987107.4	3190	14.34	14.34
753610.3	987107.9	3200	14.25	14.25
753620.3	987108.3	3210	14.50	14.50
753630.3	987108.7	3220	14.10	14.10
753640.3	987109.1	3230	14.56	14.56
753650.3	987109.4	3240	14.50	14.50
753660.3	987109.9	3250	14.86	14.86
753670.3	987110.3	3260	14.74	14.74
753680.2	987110.7	3270	14.98	14.98
753690.2	987111.1	3280	15.05	15.05
753700.2	987111.5	3290	15.23	15.23
753710.2	987111.9	3300	15.90	15.90
753720.2	987112.3	3310	15.62	15.62
753730.2	987112.7	3320	15.11	15.11
753740.2	987113.1	3330	15.01	15.01
753750.1	987113.5	3340	14.80	14.80
753760.1	987113.9	3350	14.59	14.59
753770.1	987114.3	3360	14.25	14.25
753780.1	987114.7	3370	14.22	14.22
753790.1	987115.1	3380	13.89	13.89
753800.1	987115.5	3390	13.79	13.79
753810.1	987115.9	3400	13.61	13.61
753820.1	987116.3	3410	13.79	13.79
753830.1	987116.7	3420	13.85	13.85
LINE 7				
751412.1	986969.6	1000	13.46	13.46
751422.1	986969.9	1010	13.70	13.70
751432.1	986970.3	1020	13.55	13.55
751442.1	986970.6	1030	14.62	14.62
751452.1	986970.9	1040	13.37	13.37
751462.1	986971.3	1050	13.24	13.24
751472.1	986971.7	1060	14.13	14.13
751482.1	986972.1	1070	14.16	14.16
751492.1	986972.4	1080	15.93	15.93
751502.1	986972.8	1090	13.98	13.98
751512.1	986973.1	1100	13.76	13.76
751522.1	986973.5	1110	15.11	15.11
751532.1	986973.8	1120	15.26	15.26
751542.1	986974.2	1130	15.20	15.20
751552.1	986974.6	1140	16.20	16.20
751562.1	986974.9	1150	14.98	14.98
751572.1	986975.3	1160	14.59	14.59
751582.1	986975.6	1170	14.25	14.25
751592.1	986976	1180	14.13	14.13
751602	986976.3	1190	13.46	13.46

Easting	Northing	Station	Conduct.	In-Phase
751612	986976.7	1200	12.54	12.54
751622	986977.1	1210	12.73	12.73
751632	986977.4	1220	12.51	12.51
751642	986977.8	1230	12.08	12.08
751652	986978.1	1240	12.36	12.36
751662	986978.5	1250	12.54	12.54
751672	986978.8	1260	13.43	13.43
751682	986979.2	1270	13.31	13.31
751692	986979.6	1280	13.37	13.37
751701.9	986979.9	1290	14.19	14.19
751711.9	986980.3	1300	13.79	13.79
751721.9	986980.6	1310	21.24	21.24
751731.9	986981	1320	18.83	18.83
751741.9	986981.3	1330	14.25	14.25
751751.9	986981.7	1340	15.50	15.50
751761.9	986982.1	1350	15.35	15.35
751771.9	986982.4	1360	14.80	14.80
751781.9	986982.8	1370	14.77	14.77
751791.9	986983.1	1380	14.98	14.98
751801.9	986983.5	1390	15.23	15.23
751811.9	986983.8	1400	12.05	12.05
751821.9	986984.2	1410	13.98	13.98
751831.9	986984.6	1420	13.49	13.49
751841.9	986984.9	1430	12.79	12.79
751851.9	986985.3	1440	12.88	12.88
751861.9	986985.6	1450	12.97	12.97
751871.9	986986	1460	12.97	12.97
751881.9	986986.4	1470	12.45	12.45
751891.8	986986.7	1480	13.06	13.06
751901.8	986987.1	1490	12.97	12.97
751911.8	986987.4	1500	12.79	12.79
751921.8	986987.8	1510	13.12	13.12
751931.8	986988.1	1520	12.91	12.91
751941.8	986988.5	1530	13.15	13.15
751951.8	986988.9	1540	12.85	12.85
751961.8	986989.2	1550	13.18	13.18
751971.8	986989.6	1560	13.15	13.15
751981.8	986989.9	1570	12.79	12.79
751991.8	986990.3	1580	13.24	13.24
752001.8	986990.6	1590	13.21	13.21
752011.8	986991	1600	13.46	13.46
752021.8	986991.4	1610	12.66	12.66
752031.8	986991.7	1620	14.01	14.01
752041.8	986992.1	1630	14.04	14.04
752051.8	986992.4	1640	14.16	14.16
752061.8	986992.8	1650	14.28	14.28
752071.8	986993.1	1660	14.31	14.31
752081.8	986993.5	1670	14.65	14.65
752091.7	986993.9	1680	14.31	14.31
752101.7	986994.2	1690	14.16	14.16
752111.7	986994.6	1700	14.40	14.40

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752121.7	986994.9	1710	14.31	14.31	752631.4	987013.2	2220	12.48	12.48
752131.7	986995.3	1720	14.25	14.25	752641.4	987013.6	2230	12.08	12.08
752141.7	986995.6	1730	14.65	14.65	752651.4	987013.9	2240	11.96	11.96
752151.7	986996	1740	14.71	14.71	752661.4	987014.3	2250	12.24	12.24
752161.7	986996.4	1750	14.77	14.77	752671.3	987014.6	2260	12.21	12.21
752171.7	986996.8	1760	14.86	14.86	752681.3	987014.9	2270	12.27	12.27
752181.6	986997.1	1770	14.98	14.98	752691.3	987015.3	2280	12.30	12.30
752191.6	986997.4	1780	15.05	15.05	752701.3	987015.7	2290	12.30	12.30
752201.6	986997.8	1790	15.01	15.01	752711.3	987016.1	2300	12.60	12.60
752211.6	986998.1	1800	14.74	14.74	752721.3	987016.4	2310	12.48	12.48
752221.6	986998.5	1810	14.80	14.80	752731.3	987016.8	2320	12.54	12.54
752231.6	986998.9	1820	14.71	14.71	752741.3	987017.1	2330	12.48	12.48
752241.6	986999.3	1830	14.59	14.59	752751.3	987017.4	2340	12.51	12.51
752251.6	986999.6	1840	14.47	14.47	752761.3	987017.8	2350	12.66	12.66
752261.6	986999.9	1850	14.28	14.28	752771.3	987018.2	2360	12.76	12.76
752271.6	987000.3	1860	14.28	14.28	752781.3	987018.6	2370	12.73	12.73
752281.6	987000.6	1870	14.50	14.50	752791.3	987018.9	2380	12.70	12.70
752291.6	987001	1880	14.62	14.62	752801.3	987019.3	2390	12.82	12.82
752301.6	987001.4	1890	14.80	14.80	752811.3	987019.6	2400	12.66	12.66
752311.6	987001.8	1900	14.98	14.98	752821.3	987020	2410	12.54	12.54
752321.6	987002.1	1910	15.17	15.17	752831.3	987020.3	2420	12.94	12.94
752331.6	987002.4	1920	14.86	14.86	752841.3	987020.7	2430	12.97	12.97
752341.6	987002.8	1930	14.92	14.92	752851.3	987021.1	2440	13.21	13.21
752351.6	987003.2	1940	15.26	15.26	752861.3	987021.4	2450	13.55	13.55
752361.6	987003.5	1950	14.80	14.80	752871.2	987021.8	2460	13.67	13.67
752371.6	987003.9	1960	14.19	14.19	752881.2	987022.1	2470	14.10	14.10
752381.5	987004.3	1970	14.34	14.34	752891.2	987022.5	2480	14.22	14.22
752391.5	987004.6	1980	14.34	14.34	752901.2	987022.8	2490	14.34	14.34
752401.5	987004.9	1990	14.31	14.31	752911.2	987023.2	2500	14.13	14.13
752411.5	987005.3	2000	14.10	14.10	752921.2	987023.6	2510	14.31	14.31
752421.5	987005.7	2010	14.43	14.43	752931.2	987023.9	2520	14.13	14.13
752431.5	987006	2020	14.19	14.19	752941.2	987024.3	2530	14.53	14.53
752441.5	987006.4	2030	14.25	14.25	752951.2	987024.6	2540	18.01	18.01
752451.5	987006.8	2040	14.25	14.25	752961.2	987025	2550	44.01	44.01
752461.5	987007.1	2050	14.19	14.19	752971.1	987025.3	2560	55.45	55.45
752471.5	987007.4	2060	14.19	14.19	752981.1	987025.7	2570	38.12	38.12
752481.4	987007.8	2070	14.16	14.16	752991.1	987026.1	2580	33.75	33.75
752491.4	987008.2	2080	13.76	13.76	753001.1	987026.4	2590	30.61	30.61
752501.4	987008.5	2090	13.82	13.82	753011.1	987026.8	2600	34.45	34.45
752511.4	987008.9	2100	13.58	13.58	753021.1	987027.1	2610	30.58	30.58
752521.4	987009.3	2110	13.52	13.52	753031.1	987027.5	2620	31.25	31.25
752531.4	987009.6	2120	13.37	13.37	753041.1	987027.8	2630	32.32	32.32
752541.4	987009.9	2130	13.46	13.46	753051.1	987028.2	2640	28.32	28.32
752551.4	987010.3	2140	13.00	13.00	753061.1	987028.6	2650	22.77	22.77
752561.4	987010.7	2150	13.28	13.28	753071.1	987028.9	2660	18.37	18.37
752571.4	987011	2160	12.82	12.82	753081.1	987029.3	2670	16.24	16.24
752581.4	987011.4	2170	13.40	13.40	753091.1	987029.6	2680	11.69	11.69
752591.4	987011.8	2180	13.37	13.37	753101.1	987030	2690	14.86	14.86
752601.4	987012.1	2190	13.64	13.64	753111.1	987030.4	2700	11.23	11.23
752611.4	987012.4	2200	13.09	13.09	753121.1	987030.7	2710	12.73	12.73
752621.4	987012.8	2210	12.57	12.57	753131.1	987031.1	2720	13.06	13.06

Easting	Northing	Station	Conduct.	In-Phase
753141.1	987031.4	2730	13.49	13.49
753151.1	987031.8	2740	13.15	13.15
753161	987032.1	2750	13.58	13.58
753171	987032.5	2760	13.15	13.15
753181	987032.9	2770	13.06	13.06
753191	987033.2	2780	12.94	12.94
753201	987033.6	2790	13.12	13.12
753211	987033.9	2800	12.66	12.66
753221	987034.3	2810	13.00	13.00
753231	987034.6	2820	12.24	12.24
753241	987035	2830	13.15	13.15
753251	987035.4	2840	12.88	12.88
753260.9	987035.7	2850	13.15	13.15
753270.9	987036.1	2860	13.15	13.15
753280.9	987036.4	2870	13.18	13.18
753290.9	987036.8	2880	13.37	13.37
753300.9	987037.1	2890	14.10	14.10
line	8			
751412.3	986919.5	1000	14.37	14.37
751422.3	986919.8	1010	14.28	14.28
751432.3	986920.1	1020	14.59	14.59
751442.3	986920.3	1030	14.89	14.89
751452.3	986920.6	1040	14.80	14.80
751462.3	986920.9	1050	15.01	15.01
751472.3	986921.1	1060	15.17	15.17
751482.3	986921.4	1070	14.89	14.89
751492.3	986921.7	1080	15.53	15.53
751502.3	986921.9	1090	15.17	15.17
751512.3	986922.2	1100	14.62	14.62
751522.2	986922.5	1110	14.65	14.65
751532.2	986922.8	1120	14.59	14.59
751542.2	986923	1130	13.79	13.79
751552.2	986923.3	1140	13.76	13.76
751562.2	986923.6	1150	14.16	14.16
751572.2	986923.8	1160	13.85	13.85
751582.2	986924.1	1170	13.92	13.92
751592.2	986924.4	1180	13.55	13.55
751602.2	986924.6	1190	13.67	13.67
751612.2	986924.9	1200	13.49	13.49
751622.2	986925.2	1210	14.50	14.50
751632.2	986925.4	1220	14.37	14.37
751642.2	986925.8	1230	14.19	14.19
751652.2	986926	1240	14.28	14.28
751662.2	986926.3	1250	14.62	14.62
751672.2	986926.6	1260	14.50	14.50
751682.2	986926.8	1270	14.07	14.07
751692.1	986927.1	1280	14.10	14.10
751702.1	986927.3	1290	14.43	14.43
751712.1	986927.6	1300	15.38	15.38
751722.1	986927.9	1310	18.04	18.04
751732.1	986928.1	1320	15.17	15.17

Easting	Northing	Station	Conduct.	In-Phase
751742.1	986928.4	1330	18.04	18.04
751752.1	986928.7	1340	14.83	14.83
751762.1	986928.9	1350	16.51	16.51
751772.1	986929.3	1360	16.72	16.72
751782.1	986929.5	1370	16.63	16.63
751792.1	986929.8	1380	14.86	14.86
751802.1	986930.1	1390	15.14	15.14
751812.1	986930.3	1400	14.16	14.16
751822.1	986930.6	1410	14.31	14.31
751832.1	986930.9	1420	13.82	13.82
751842.1	986931.1	1430	14.37	14.37
751852.1	986931.4	1440	13.98	13.98
751862.1	986931.7	1450	13.92	13.92
751872.1	986931.9	1460	13.52	13.52
751882.1	986932.2	1470	13.55	13.55
751892.1	986932.5	1480	14.22	14.22
751902.1	986932.8	1490	14.22	14.22
751912.1	986933	1500	14.65	14.65
751922.1	986933.3	1510	14.71	14.71
751932.1	986933.6	1520	15.11	15.11
751942.1	986933.8	1530	15.50	15.50
751952.1	986934.1	1540	15.14	15.14
751962.1	986934.4	1550	15.50	15.50
751972.1	986934.6	1560	15.56	15.56
751982.1	986934.9	1570	15.05	15.05
751992.1	986935.2	1580	15.17	15.17
752002.1	986935.4	1590	14.77	14.77
752012.1	986935.8	1600	15.08	15.08
752022.1	986936	1610	15.26	15.26
752032	986936.3	1620	14.77	14.77
752042	986936.6	1630	15.01	15.01
752052	986936.8	1640	14.53	14.53
752062	986937.1	1650	14.62	14.62
752072	986937.4	1660	14.50	14.50
752082	986937.6	1670	14.68	14.68
752092	986937.9	1680	14.56	14.56
752102	986938.2	1690	14.59	14.59
752112	986938.4	1700	14.47	14.47
752122	986938.7	1710	14.50	14.50
752132	986939	1720	14.47	14.47
752142	986939.3	1730	14.83	14.83
752152	986939.5	1740	15.32	15.32
752162	986939.8	1750	15.41	15.41
752172	986940.1	1760	15.56	15.56
752182	986940.3	1770	15.62	15.62
752192	986940.6	1780	15.50	15.50
752201.9	986940.9	1790	15.75	15.75
752211.9	986941.1	1800	15.99	15.99
752221.9	986941.4	1810	15.90	15.90
752231.9	986941.7	1820	15.75	15.75
752241.9	986941.9	1830	15.66	15.66

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752251.9	986942.3	1840	15.96	15.96	752761.8	986956	2350	14.19	14.19
752261.9	986942.5	1850	15.38	15.38	752771.8	986956.3	2360	14.10	14.10
752271.9	986942.8	1860	15.66	15.66	752781.8	986956.6	2370	14.56	14.56
752281.9	986943	1870	15.69	15.69	752791.8	986956.8	2380	14.28	14.28
752291.9	986943.3	1880	15.81	15.81	752801.8	986957.1	2390	14.86	14.86
752301.9	986943.6	1890	15.62	15.62	752811.8	986957.4	2400	13.31	13.31
752311.9	986943.8	1900	16.02	16.02	752821.8	986957.6	2410	14.56	14.56
752321.9	986944.1	1910	15.93	15.93	752831.8	986957.9	2420	14.31	14.31
752331.9	986944.4	1920	15.72	15.72	752841.8	986958.2	2430	14.07	14.07
752341.9	986944.6	1930	15.38	15.38	752851.8	986958.4	2440	13.92	13.92
752351.9	986944.9	1940	14.89	14.89	752861.8	986958.8	2450	14.40	14.40
752361.9	986945.2	1950	15.01	15.01	752871.8	986959	2460	14.62	14.62
752371.9	986945.4	1960	15.29	15.29	752881.8	986959.3	2470	14.53	14.53
752381.9	986945.8	1970	15.14	15.14	752891.7	986959.5	2480	14.43	14.43
752391.9	986946	1980	15.08	15.08	752901.7	986959.8	2490	15.35	15.35
752401.9	986946.3	1990	15.01	15.01	752911.7	986960.1	2500	15.08	15.08
752411.9	986946.6	2000	15.35	15.35	752921.7	986960.3	2510	14.86	14.86
752421.9	986946.8	2010	15.26	15.26	752931.7	986960.6	2520	14.95	14.95
752431.9	986947.1	2020	15.29	15.29	752941.7	986960.9	2530	15.38	15.38
752441.9	986947.4	2030	14.92	14.92	752951.7	986961.1	2540	15.01	15.01
752451.9	986947.6	2040	15.05	15.05	752961.7	986961.4	2550	15.23	15.23
752461.9	986947.9	2050	14.92	14.92	752971.7	986961.7	2560	15.62	15.62
752471.9	986948.2	2060	14.83	14.83	752981.7	986961.9	2570	15.26	15.26
752481.9	986948.4	2070	14.53	14.53	752991.7	986962.3	2580	15.47	15.47
752491.9	986948.7	2080	14.59	14.59	753001.7	986962.5	2590	15.26	15.26
752501.9	986949	2090	14.01	14.01	753011.7	986962.8	2600	15.53	15.53
752511.9	986949.3	2100	13.92	13.92	753021.7	986963.1	2610	16.30	16.30
752521.9	986949.5	2110	14.16	14.16	753031.7	986963.3	2620	17.52	17.52
752531.9	986949.8	2120	14.04	14.04	753041.7	986963.6	2630	17.18	17.18
752541.8	986950.1	2130	14.07	14.07	753051.7	986963.9	2640	14.98	14.98
752551.8	986950.3	2140	13.70	13.70	753061.6	986964.1	2650	14.50	14.50
752561.8	986950.6	2150	13.15	13.15	753071.6	986964.4	2660	14.50	14.50
752571.8	986950.9	2160	13.15	13.15	753081.6	986964.7	2670	13.85	13.85
752581.8	986951.1	2170	13.58	13.58	753091.6	986964.9	2680	13.92	13.92
752591.8	986951.4	2180	13.15	13.15	753101.6	986965.2	2690	13.64	13.64
752601.8	986951.7	2190	13.37	13.37	753111.6	986965.5	2700	13.64	13.64
752611.8	986951.9	2200	13.09	13.09	753121.6	986965.8	2710	13.70	13.70
752621.8	986952.3	2210	13.64	13.64	753131.6	986966	2720	13.79	13.79
752631.8	986952.5	2220	13.12	13.12	753141.6	986966.3	2730	13.64	13.64
752641.8	986952.8	2230	13.06	13.06	753151.6	986966.6	2740	13.64	13.64
752651.8	986953.1	2240	13.46	13.46	753161.6	986966.8	2750	13.40	13.40
752661.8	986953.3	2250	13.43	13.43	753171.6	986967.1	2760	13.58	13.58
752671.8	986953.6	2260	13.46	13.46	753181.6	986967.4	2770	13.43	13.43
752681.8	986953.9	2270	13.67	13.67	753191.6	986967.6	2780	13.43	13.43
752691.8	986954.1	2280	13.61	13.61	753201.6	986967.9	2790	13.58	13.58
752701.8	986954.4	2290	13.89	13.89	753211.6	986968.2	2800	13.43	13.43
752711.8	986954.7	2300	14.04	14.04	753221.6	986968.4	2810	13.52	13.52
752721.8	986954.9	2310	13.61	13.61	753231.6	986968.8	2820	13.18	13.18
752731.8	986955.2	2320	14.19	14.19	753241.6	986969	2830	13.24	13.24
752741.8	986955.5	2330	14.13	14.13	753251.6	986969.3	2840	13.55	13.55
752751.8	986955.8	2340	14.22	14.22	753261.6	986969.6	2850	12.73	12.73

Easting	Northing	Station	Conduct.	In-Phase
753271.6	986969.8	2860	13.40	13.40
753281.6	986970.1	2870	13.15	13.15
753291.6	986970.4	2880	13.55	13.55
753301.6	986970.6	2890	14.16	14.16
753311.6	986970.9	2900	14.43	14.43
753321.6	986971.2	2910	16.48	16.48
753331.6	986971.4	2920	16.91	16.91
753341.6	986971.7	2930	19.07	19.07
753351.6	986972	2940	28.75	28.75
753361.6	986972.3	2950	118.32	18.32
753371.6	986972.5	2960	301.91	301.91
753381.6	986972.8	2970	291.23	291.23
753391.6	986973.1	2980	38.21	38.21
753401.5	986973.3	2990	21.79	21.79
753411.5	986973.6	3000	16.88	16.88
753421.5	986973.9	3010	15.75	15.75
753431.5	986974.1	3020	15.05	15.05
753441.5	986974.4	3030	14.59	14.59
753451.5	986974.7	3040	14.31	14.31
753461.5	986974.9	3050	14.10	14.10
753471.5	986975.3	3060	13.98	13.98
753481.5	986975.5	3070	13.49	13.49
753491.5	986975.8	3080	14.19	14.19
753501.5	986976.1	3090	13.61	13.61
753511.5	986976.3	3100	13.37	13.37
753521.5	986976.6	3110	13.58	13.58
753531.5	986976.8	3120	13.46	13.46
753541.5	986977.1	3130	13.76	13.76
753551.5	986977.4	3140	13.85	13.85
753561.5	986977.6	3150	13.67	13.67
753571.4	986977.9	3160	13.82	13.82
753581.4	986978.2	3170	13.49	13.49
753591.4	986978.4	3180	14.01	14.01
753601.4	986978.8	3190	13.73	13.73
753611.4	986979	3200	13.76	13.76
753621.4	986979.3	3210	13.18	13.18
753631.4	986979.6	3220	13.46	13.46
753641.4	986979.8	3230	13.55	13.55
753651.4	986980.1	3240	13.37	13.37
753661.4	986980.4	3250	13.46	13.46
753671.4	986980.6	3260	13.31	13.31
753681.4	986980.9	3270	13.52	13.52
753691.4	986981.2	3280	13.34	13.34
753701.4	986981.4	3290	13.00	13.00
753711.4	986981.7	3300	13.31	13.31
753721.4	986982	3310	13.37	13.37
753731.4	986982.3	3320	13.21	13.21
753741.4	986982.5	3330	13.15	13.15
753751.4	986982.8	3340	13.12	13.12
753761.4	986983.1	3350	13.37	13.37
753771.4	986983.3	3360	13.03	13.03
753781.4	986983.6	3370	13.31	13.31
753791.4	986983.9	3380	13.15	13.15
753801.4	986984.1	3390	12.79	12.79
753811.4	986984.4	3400	13.06	13.06
753821.4	986984.7	3410	13.09	13.09
753831.4	986984.9	3420	12.79	12.79
753841.4	986985.3	3430	12.88	12.88
753851.4	986985.5	3440	12.85	12.85
753861.4	986985.8	3450	12.66	12.66
753871.4	986986.1	3460	12.76	12.76
753881.4	986986.3	3470	13.06	13.06
753891.4	986986.6	3480	13.28	13.28
753901.4	986986.9	3490	13.18	13.18
753911.3	986987.1	3500	13.03	13.03
753921.3	986987.4	3510	13.21	13.21
753931.3	986987.7	3520	13.24	13.24
753941.3	986987.9	3530	13.28	13.28
753951.3	986988.2	3540	13.15	13.15
753961.3	986988.5	3550	13.24	13.24
753971.3	986988.8	3560	13.28	13.28
753981.3	986989	3570	12.97	12.97
753991.3	986989.3	3580	13.24	13.24
754001.3	986989.6	3590	13.06	13.06
754011.3	986989.8	3600	13.12	13.12
754021.3	986990.1	3610	13.12	13.12
754031.3	986990.4	3620	13.21	13.21
754041.3	986990.6	3630	13.12	13.12
754051.3	986990.9	3640	13.43	13.43
754061.3	986991.2	3650	13.85	13.85
754071.3	986991.4	3660	14.19	14.19
754081.3	986991.8	3670	15.41	15.41
LINE 9				
751411.7	986869.4	1000	15.50	15.50
751421.7	986869.8	1010	13.06	13.06
751431.7	986870	1020	15.59	15.59
751441.7	986870.3	1030	2.56	2.56
751451.7	986870.6	1040	3.05	3.05
751461.7	986870.8	1050	15.32	15.32
751471.7	986871.1	1060	14.28	14.28
751481.7	986871.4	1070	14.53	14.53
751491.7	986871.6	1080	15.96	15.96
751501.7	986871.9	1090	16.72	16.72
751511.7	986872.2	1100	15.47	15.47
751521.7	986872.4	1110	14.59	14.59
751531.7	986872.7	1120	14.40	14.40
751541.7	986873	1130	13.98	13.98
751551.7	986873.3	1140	14.25	14.25
751561.6	986873.5	1150	14.34	14.34
751571.6	986873.8	1160	13.79	13.79
751581.6	986874.1	1170	14.37	14.37
751591.6	986874.3	1180	13.95	13.95

Easting	Northing	Station	Conduct.	In-Phase
751601.6	986874.6	1190	13.85	13.85
751611.6	986874.9	1200	13.06	13.06
751621.6	986875.1	1210	14.47	14.47
751631.6	986875.4	1220	14.31	14.31
751641.6	986875.7	1230	14.53	14.53
751651.6	986875.9	1240	13.89	13.89
751661.6	986876.3	1250	14.68	14.68
751671.6	986876.5	1260	14.53	14.53
751681.6	986876.8	1270	14.71	14.71
751691.6	986877.1	1280	15.11	15.11
751701.6	986877.3	1290	15.29	15.29
751711.6	986877.6	1300	15.81	15.81
751721.6	986877.9	1310	19.20	19.20
751731.6	986878.1	1320	16.63	16.63
751741.6	986878.4	1330	17.03	17.03
751751.6	986878.7	1340	17.43	17.43
751761.6	986878.9	1350	17.46	17.46
751771.6	986879.2	1360	15.56	15.56
751781.6	986879.5	1370	13.03	13.03
751791.6	986879.8	1380	14.34	14.34
751801.6	986880	1390	16.82	16.82
751811.6	986880.3	1400	15.32	15.32
751821.6	986880.6	1410	15.41	15.41
751831.6	986880.8	1420	15.81	15.81
751841.6	986881.1	1430	17.21	17.21
751851.6	986881.4	1440	19.47	19.47
751861.6	986881.6	1450	23.07	23.07
751871.6	986881.9	1460	13.85	13.85
751881.6	986882.2	1470	14.56	14.56
751891.6	986882.4	1480	17.30	17.30
751901.5	986882.8	1490	14.95	14.95
751911.5	986883	1500	13.76	13.76
751921.5	986883.3	1510	13.52	13.52
751931.5	986883.5	1520	13.52	13.52
751941.5	986883.8	1530	13.49	13.49
751951.5	986884.1	1540	13.49	13.49
751961.5	986884.3	1550	13.31	13.31
751971.5	986884.6	1560	13.61	13.61
751981.5	986884.9	1570	13.89	13.89
751991.5	986885.1	1580	13.58	13.58
752001.5	986885.4	1590	13.52	13.52
752011.5	986885.7	1600	13.73	13.73
752021.5	986885.9	1610	13.79	13.79
752031.5	986886.3	1620	13.64	13.64
752041.5	986886.5	1630	13.46	13.46
752051.5	986886.8	1640	13.31	13.31
752061.5	986887.1	1650	13.37	13.37
752071.4	986887.3	1660	13.06	13.06
752081.4	986887.6	1670	14.40	14.40
752091.4	986887.9	1680	13.15	13.15
752101.4	986888.1	1690	13.21	13.21

Easting	Northing	Station	Conduct.	In-Phase
752111.4	986888.4	1700	12.97	12.97
752121.4	986888.7	1710	12.57	12.57
752131.4	986888.9	1720	12.73	12.73
752141.4	986889.2	1730	12.76	12.76
752151.4	986889.5	1740	12.66	12.66
752161.4	986889.8	1750	12.51	12.51
752171.4	986890	1760	12.82	12.82
752181.4	986890.3	1770	13.03	13.03
752191.4	986890.6	1780	13.06	13.06
752201.4	986890.8	1790	13.24	13.24
752211.4	986891.1	1800	13.64	13.64
752221.4	986891.4	1810	13.79	13.79
752231.4	986891.6	1820	14.16	14.16
752241.4	986891.9	1830	14.71	14.71
752251.4	986892.2	1840	14.83	14.83
752261.4	986892.4	1850	15.20	15.20
752271.4	986892.8	1860	15.41	15.41
752281.4	986893	1870	15.93	15.93
752291.4	986893.3	1880	15.93	15.93
752301.4	986893.6	1890	15.81	15.81
752311.4	986893.8	1900	15.66	15.66
752321.4	986894.1	1910	15.44	15.44
752331.4	986894.4	1920	15.35	15.35
752341.4	986894.6	1930	15.20	15.20
752351.4	986894.9	1940	15.01	15.01
752361.4	986895.2	1950	14.74	14.74
752371.4	986895.4	1960	14.37	14.37
752381.4	986895.7	1970	14.16	14.16
752391.4	986896	1980	14.19	14.19
752401.4	986896.3	1990	14.22	14.22
752411.4	986896.5	2000	14.10	14.10
752421.3	986896.8	2010	14.28	14.28
752431.3	986897.1	2020	14.25	14.25
752441.3	986897.3	2030	14.01	14.01
752451.3	986897.6	2040	14.28	14.28
752461.3	986897.9	2050	15.38	15.38
752471.3	986898.1	2060	16.97	16.97
752481.3	986898.4	2070	18.86	18.86
752491.3	986898.7	2080	13.98	13.98
752501.3	986898.9	2090	13.79	13.79
752511.3	986899.3	2100	14.10	14.10
752521.3	986899.5	2110	14.10	14.10
752521.3	986899.5	2110	14.10	14.10
752531.3	986899.8	2120	14.01	14.01
752541.3	986900	2130	13.73	13.73
752551.3	986900.3	2140	13.95	13.95
752561.3	986900.6	2150	13.73	13.73
752571.3	986900.8	2160	13.89	13.89
752581.3	986901.1	2170	13.24	13.24
752591.3	986901.4	2180	13.64	13.64
752601.3	986901.6	2190	12.66	12.66

Easting	Northing	Station	Conduct.	In-Phase
752611.3	986901.9	2200	14.13	14.13
752621.3	986902.2	2210	12.33	12.33
752631.3	986902.4	2220	12.24	12.24
752641.3	986902.8	2230	12.08	12.08
752651.3	986903	2240	13.28	13.28
752661.3	986903.3	2250	12.12	12.12
752671.3	986903.6	2260	12.51	12.51
752681.3	986903.8	2270	12.85	12.85
752691.3	986904.1	2280	12.54	12.54
752701.3	986904.4	2290	12.94	12.94
752711.3	986904.6	2300	12.97	12.97
752721.3	986904.9	2310	12.21	12.21
752731.3	986905.2	2320	13.00	13.00
752741.3	986905.4	2330	13.24	13.24
752751.3	986905.7	2340	13.49	13.49
752761.2	986906	2350	13.31	13.31
752771.2	986906.3	2360	13.61	13.61
752781.2	986906.5	2370	13.85	13.85
752791.2	986906.8	2380	14.07	14.07
752801.2	986907.1	2390	14.25	14.25
752811.2	986907.3	2400	14.43	14.43
752821.2	986907.6	2410	14.92	14.92
752831.2	986907.9	2420	14.83	14.83
752841.2	986908.1	2430	14.22	14.22
752851.2	986908.4	2440	15.17	15.17
752861.2	986908.7	2450	14.74	14.74
752871.2	986908.9	2460	14.83	14.83
752881.2	986909.3	2470	14.59	14.59
752891.2	986909.5	2480	15.08	15.08
752901.2	986909.8	2490	15.59	15.59
752911.2	986910.1	2500	15.44	15.44
752921.2	986910.3	2510	15.90	15.90
752931.1	986910.6	2520	16.63	16.63
752941.1	986910.9	2530	16.27	16.27
752951.1	986911.1	2540	16.45	16.45
752961.1	986911.4	2550	16.24	16.24
752971.1	986911.7	2560	15.72	15.72
752981.1	986911.9	2570	15.72	15.72
752991.1	986912.2	2580	14.77	14.77
753001.1	986912.5	2590	15.20	15.20
753011.1	986912.8	2600	14.86	14.86
753021.1	986913	2610	14.92	14.92
753031.1	986913.3	2620	14.59	14.59
753041.1	986913.6	2630	14.92	14.92
753051.1	986913.8	2640	14.65	14.65
753061.1	986914.1	2650	14.56	14.56
753071.1	986914.4	2660	13.85	13.85
753081.1	986914.6	2670	13.95	13.95
753091.1	986914.9	2680	14.19	14.19
753101.1	986915.2	2690	13.89	13.89
753111.1	986915.4	2700	14.53	14.53
753121.1	986915.8	2710	13.85	13.85
753131.1	986916	2720	13.79	13.79
753141.1	986916.3	2730	13.76	13.76
753151.1	986916.5	2740	13.52	13.52
753161.1	986916.8	2750	13.89	13.89
753171.1	986917.1	2760	13.79	13.79
753181.1	986917.3	2770	13.18	13.18
753191.1	986917.6	2780	13.95	13.95
753201.1	986917.9	2790	13.70	13.70
753211.1	986918.1	2800	13.43	13.43
753221.1	986918.4	2810	13.06	13.06
753231.1	986918.7	2820	13.28	13.28
753241.1	986918.9	2830	13.43	13.43
753251.1	986919.3	2840	13.28	13.28
753261.1	986919.5	2850	13.37	13.37
753271	986919.8	2860	13.46	13.46
753281	986920.1	2870	13.09	13.09
753291	986920.3	2880	13.46	13.46
753301	986920.6	2890	13.70	13.70
753311	986920.9	2900	13.40	13.40
753321	986921.1	2910	13.67	13.67
753331	986921.4	2920	14.13	14.13
753341	986921.7	2930	14.07	14.07
753351	986921.9	2940	14.07	14.07
753361	986922.2	2950	14.65	14.65
753371	986922.5	2960	14.37	14.37
753381	986922.8	2970	15.87	15.87
753391	986923	2980	20.75	20.75
753401	986923.3	2990	29.79	29.79
753411	986923.6	3000	289.64	89.64
753431	986924.1	3020	23.44	23.44
753440.9	986924.4	3030	17.64	17.64
753450.9	986924.6	3040	15.78	15.78
753460.9	986924.9	3050	14.83	14.83
753470.9	986925.2	3060	14.40	14.40
753480.9	986925.4	3070	12.88	12.88
753490.9	986925.8	3080	14.37	14.37
753500.9	986926	3090	13.85	13.85
753510.9	986926.3	3100	13.73	13.73
753520.9	986926.6	3110	13.40	13.40
753530.9	986926.8	3120	13.40	13.40
753540.9	986927.1	3130	13.46	13.46
753550.9	986927.4	3140	13.15	13.15
753560.9	986927.6	3150	13.00	13.00
753570.9	986927.9	3160	13.06	13.06
753580.9	986928.2	3170	13.24	13.24
753590.9	986928.4	3180	13.37	13.37
753600.9	986928.7	3190	13.31	13.31
753610.9	986929	3200	13.40	13.40
753620.9	986929.3	3210	13.21	13.21
753630.9	986929.5	3220	13.24	13.24

Easting	Northing	Station	Conduct.	In-Phase
753640.9	986929.8	3230	13.24	13.24
753650.9	986930.1	3240	13.06	13.06
753660.9	986930.3	3250	13.18	13.18
753670.9	986930.6	3260	13.28	13.28
753680.9	986930.9	3270	13.06	13.06
753690.9	986931.1	3280	13.43	13.43
753700.9	986931.4	3290	12.91	12.91
753710.9	986931.7	3300	13.31	13.31
753720.9	986931.9	3310	14.07	14.07
753730.9	986932.3	3320	13.58	13.58
753740.9	986932.5	3330	13.61	13.61
753750.9	986932.8	3340	13.79	13.79
753760.9	986933.1	3350	13.61	13.61
753770.9	986933.3	3360	13.79	13.79
753780.8	986933.6	3370	13.79	13.79
753790.8	986933.8	3380	13.76	13.76
753800.8	986934.1	3390	13.76	13.76
753810.8	986934.4	3400	13.58	13.58
753820.8	986934.6	3410	13.76	13.76
753830.8	986934.9	3420	13.61	13.61
753840.8	986935.2	3430	13.52	13.52
753850.8	986935.4	3440	13.24	13.24
753860.8	986935.8	3450	13.21	13.21
753870.8	986936	3460	13.31	13.31
753880.8	986936.3	3470	13.24	13.24
753890.8	986936.6	3480	13.34	13.34
753900.8	986936.8	3490	13.34	13.34
753910.8	986937.1	3500	13.67	13.67
753920.8	986937.4	3510	13.70	13.70
753930.8	986937.6	3520	13.70	13.70
753940.8	986937.9	3530	13.55	13.55
753950.8	986938.2	3540	13.85	13.85
753960.8	986938.4	3550	13.70	13.70
753970.8	986938.7	3560	13.64	13.64
753980.8	986939	3570	13.49	13.49
753990.8	986939.3	3580	13.15	13.15
754000.8	986939.5	3590	13.73	13.73
754010.8	986939.8	3600	13.28	13.28
754020.8	986940.1	3610	13.21	13.21
754030.8	986940.3	3620	13.12	13.12
754040.8	986940.6	3630	13.06	13.06
754050.8	986940.9	3640	13.49	13.49
754060.8	986941.1	3650	14.34	14.34
754070.8	986941.4	3660	14.01	14.01
754080.8	986941.7	3670	14.83	14.83
754090.8	986941.9	3680	15.47	15.47
754100.8	986942.3	3690	16.54	16.54
754110.8	986942.5	3700	16.30	16.30
LINE 10				
751402.5	986819	990	0.00	0.00
751412.5	986819.2	1000	14.77	14.77

Easting	Northing	Station	Conduct.	In-Phase
751422.5	986819.4	1010	14.50	14.50
751432.5	986819.6	1020	14.34	14.34
751442.5	986819.8	1030	14.25	14.25
751452.5	986820	1040	14.25	14.25
751462.5	986820.2	1050	14.40	14.40
751472.4	986820.4	1060	13.89	13.89
751482.4	986820.6	1070	14.16	14.16
751492.4	986820.8	1080	14.01	14.01
751502.4	986820.9	1090	14.43	14.43
751512.4	986821.1	1100	14.47	14.47
751522.4	986821.3	1110	14.10	14.10
751532.4	986821.5	1120	14.25	14.25
751542.4	986821.7	1130	14.07	14.07
751552.4	986821.9	1140	14.25	14.25
751562.4	986822.1	1150	15.01	15.01
751572.4	986822.3	1160	14.10	14.10
751582.4	986822.5	1170	14.37	14.37
751592.4	986822.7	1180	14.86	14.86
751602.4	986822.9	1190	14.83	14.83
751612.4	986823.1	1200	14.89	14.89
751622.4	986823.3	1210	15.66	15.66
751632.4	986823.4	1220	15.14	15.14
751642.4	986823.6	1230	14.71	14.71
751652.4	986823.8	1240	14.95	14.95
751662.4	986824	1250	14.80	14.80
751672.4	986824.2	1260	15.17	15.17
751682.4	986824.4	1270	15.41	15.41
751692.4	986824.6	1280	15.87	15.87
751702.4	986824.8	1290	16.94	16.94
751712.4	986825	1300	20.29	20.29
751722.4	986825.2	1310	16.45	16.45
751732.4	986825.4	1320	18.62	18.62
751742.4	986825.6	1330	16.85	16.85
751752.4	986825.8	1340	16.60	16.60
751762.4	986825.9	1350	18.13	18.13
751772.4	986826.1	1360	14.13	14.13
751782.4	986826.3	1370	14.37	14.37
751792.4	986826.5	1380	15.41	15.41
751802.4	986826.7	1390	15.01	15.01
751812.4	986826.9	1400	14.28	14.28
751822.4	986827.1	1410	13.64	13.64
751832.4	986827.3	1420	14.47	14.47
751842.4	986827.5	1430	14.25	14.25
751852.4	986827.7	1440	13.98	13.98
751862.4	986827.9	1450	13.64	13.64
751872.4	986828.1	1460	12.30	12.30
751882.4	986828.3	1470	13.06	13.06
751892.4	986828.4	1480	13.43	13.43
751902.4	986828.6	1490	13.15	13.15
751912.4	986828.8	1500	12.88	12.88
751922.4	986829	1510	13.28	13.28

Easting	Northing	Station	Conduct.	In-Phase
751932.4	986829.2	1520	13.37	13.37
751942.4	986829.4	1530	13.43	13.43
751952.4	986829.6	1540	12.79	12.79
751962.4	986829.8	1550	13.37	13.37
751972.4	986829.9	1560	13.43	13.43
751982.4	986830.2	1570	13.43	13.43
751992.4	986830.4	1580	13.24	13.24
752002.4	986830.6	1590	13.21	13.21
752012.4	986830.8	1600	13.03	13.03
752022.4	986830.9	1610	13.15	13.15
752032.4	986831.1	1620	13.52	13.52
752042.4	986831.3	1630	12.85	12.85
752052.4	986831.5	1640	12.73	12.73
752062.4	986831.7	1650	13.03	13.03
752072.4	986831.9	1660	12.79	12.79
752082.4	986832.1	1670	12.82	12.82
752092.4	986832.3	1680	13.15	13.15
752102.4	986832.4	1690	13.43	13.43
752112.4	986832.6	1700	13.18	13.18
752122.4	986832.9	1710	12.88	12.88
752132.4	986833.1	1720	12.91	12.91
752142.4	986833.3	1730	13.12	13.12
752152.3	986833.4	1740	13.31	13.31
752162.3	986833.6	1750	13.21	13.21
752172.3	986833.8	1760	13.43	13.43
752182.3	986834	1770	13.40	13.40
752192.3	986834.2	1780	13.43	13.43
752202.3	986834.4	1790	13.64	13.64
752212.3	986834.6	1800	13.82	13.82
752222.3	986834.8	1810	13.95	13.95
752232.3	986834.9	1820	13.82	13.82
752242.3	986835.1	1830	14.28	14.28
752252.3	986835.3	1840	14.62	14.62
752262.3	986835.6	1850	14.83	14.83
752272.3	986835.8	1860	15.56	15.56
752282.3	986835.9	1870	15.87	15.87
752292.3	986836.1	1880	15.56	15.56
752302.3	986836.3	1890	15.90	15.90
752312.3	986836.5	1900	16.48	16.48
752322.3	986836.7	1910	15.50	15.50
752332.3	986836.9	1920	15.32	15.32
752342.3	986837.1	1930	15.93	15.93
752352.3	986837.3	1940	15.75	15.75
752362.3	986837.4	1950	15.32	15.32
752372.3	986837.6	1960	15.20	15.20
752382.3	986837.8	1970	14.92	14.92
752392.3	986838	1980	15.11	15.11
752402.3	986838.3	1990	15.11	15.11
752412.3	986838.4	2000	14.77	14.77
752422.3	986838.6	2010	14.71	14.71
752432.3	986838.8	2020	14.31	14.31
752442.3	986839	2030	14.16	14.16
752452.3	986839.2	2040	14.40	14.40
752462.3	986839.4	2050	14.31	14.31
752472.3	986839.6	2060	14.22	14.22
752482.3	986839.8	2070	14.31	14.31
752492.3	986839.9	2080	14.43	14.43
752502.3	986840.1	2090	13.76	13.76
752512.3	986840.3	2100	14.01	14.01
752522.3	986840.5	2110	13.73	13.73
752532.3	986840.7	2120	14.19	14.19
752542.3	986840.9	2130	13.03	13.03
752552.3	986841.1	2140	14.13	14.13
752562.3	986841.3	2150	13.82	13.82
752572.3	986841.5	2160	13.46	13.46
752582.3	986841.7	2170	13.76	13.76
752592.3	986841.9	2180	13.79	13.79
752602.3	986842.1	2190	13.64	13.64
752612.3	986842.3	2200	13.37	13.37
752622.3	986842.4	2210	12.97	12.97
752632.3	986842.6	2220	13.00	13.00
752642.3	986842.8	2230	12.94	12.94
752652.3	986843	2240	12.97	12.97
752662.3	986843.2	2250	12.51	12.51
752672.3	986843.4	2260	12.97	12.97
752682.3	986843.6	2270	12.70	12.70
752692.3	986843.8	2280	12.63	12.63
752702.3	986844	2290	12.54	12.54
752712.3	986844.2	2300	12.63	12.63
752722.3	986844.4	2310	12.57	12.57
752732.3	986844.6	2320	12.48	12.48
752742.3	986844.8	2330	12.30	12.30
752752.3	986844.9	2340	12.36	12.36
752762.3	986845.1	2350	12.24	12.24
752772.3	986845.3	2360	12.21	12.21
752782.3	986845.5	2370	12.63	12.63
752792.3	986845.7	2380	12.48	12.48
752802.3	986845.9	2390	13.09	13.09
752812.3	986846.1	2400	12.70	12.70
752822.3	986846.3	2410	13.15	13.15
752832.2	986846.5	2420	13.37	13.37
752842.2	986846.7	2430	13.06	13.06
752852.2	986846.9	2440	13.52	13.52
752862.2	986847.1	2450	13.95	13.95
752872.2	986847.3	2460	13.52	13.52
752882.2	986847.4	2470	14.43	14.43
752892.2	986847.6	2480	15.62	15.62
752902.2	986847.8	2490	16.24	16.24
752912.2	986848	2500	15.41	15.41
752922.2	986848.2	2510	16.69	16.69
752932.2	986848.4	2520	17.09	17.09
752942.2	986848.6	2530	17.30	17.30

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752952.2	986848.8	2540	16.05	16.05	753452.1	986858.4	3040	28.99	28.99
752962.2	986849	2550	16.69	16.69	753462.1	986858.6	3050	19.84	19.84
752972.2	986849.2	2560	16.51	16.51	753472.1	986858.8	3060	17.52	17.52
752982.2	986849.4	2570	16.27	16.27	753482.1	986858.9	3070	15.84	15.84
752992.2	986849.6	2580	15.72	15.72	753492.1	986859.1	3080	15.14	15.14
753002.2	986849.8	2590	15.38	15.38	753502.1	986859.3	3090	14.89	14.89
753012.2	986849.9	2600	14.86	14.86	753512.1	986859.6	3100	15.26	15.26
753022.2	986850.1	2610	14.80	14.80	753522.1	986859.8	3110	15.69	15.69
753032.2	986850.3	2620	14.53	14.53	753532.1	986859.9	3120	16.39	16.39
753042.2	986850.5	2630	14.47	14.47	753542.1	986860.1	3130	16.82	16.82
753052.2	986850.7	2640	14.34	14.34	753552.1	986860.3	3140	17.94	17.94
753062.2	986850.9	2650	14.16	14.16	753562.1	986860.5	3150	19.29	19.29
753072.2	986851.1	2660	14.28	14.28	753572.1	986860.7	3160	23.10	23.10
753082.2	986851.3	2670	14.07	14.07	753582.1	986860.9	3170	19.32	19.32
753092.2	986851.4	2680	14.07	14.07	753592.1	986861.1	3180	12.51	12.51
753102.2	986851.7	2690	14.07	14.07	753602.1	986861.3	3190	12.94	12.94
753112.2	986851.9	2700	13.98	13.98	753612.1	986861.4	3200	13.06	13.06
753122.2	986852.1	2710	13.98	13.98	753622.1	986861.6	3210	13.00	13.00
753132.2	986852.3	2720	14.10	14.10	753632.1	986861.8	3220	13.15	13.15
753142.2	986852.4	2730	14.16	14.16	753642.1	986862	3230	13.34	13.34
753152.2	986852.6	2740	13.43	13.43	753652.1	986862.3	3240	13.18	13.18
753162.2	986852.8	2750	14.22	14.22	753662.1	986862.4	3250	12.85	12.85
753172.1	986853	2760	13.64	13.64	753672.1	986862.6	3260	13.15	13.15
753182.1	986853.2	2770	13.76	13.76	753682.1	986862.8	3270	13.28	13.28
753192.1	986853.4	2780	13.37	13.37	753692.1	986863	3280	13.40	13.40
753202.1	986853.6	2790	13.55	13.55	753702.1	986863.2	3290	13.06	13.06
753212.1	986853.8	2800	14.28	14.28	753712.1	986863.4	3300	13.34	13.34
753222.1	986853.9	2810	13.18	13.18	753722.1	986863.6	3310	13.49	13.49
753232.1	986854.2	2820	13.40	13.40	753732.1	986863.8	3320	13.46	13.46
753242.1	986854.4	2830	13.43	13.43	753742.1	986863.9	3330	13.98	13.98
753252.1	986854.6	2840	13.61	13.61	753752.1	986864.1	3340	14.28	14.28
753262.1	986854.8	2850	13.28	13.28	753762.1	986864.3	3350	14.19	14.19
753272.1	986854.9	2860	13.34	13.34	753772.1	986864.5	3360	14.62	14.62
753282.1	986855.1	2870	12.91	12.91	753782.1	986864.7	3370	14.68	14.68
753292.1	986855.3	2880	13.40	13.40	753792.1	986864.9	3380	14.77	14.77
753302.1	986855.5	2890	13.55	13.55	753802.1	986865.1	3390	15.17	15.17
753312.1	986855.7	2900	13.92	13.92	753812.1	986865.3	3400	14.86	14.86
753322.1	986855.9	2910	13.76	13.76	753822.1	986865.5	3410	14.56	14.56
753332.1	986856.1	2920	13.67	13.67	753832.1	986865.7	3420	14.28	14.28
753342.1	986856.3	2930	13.82	13.82	753842.1	986865.9	3430	13.82	13.82
753352.1	986856.4	2940	14.16	14.16	753852	986866.1	3440	13.49	13.49
753362.1	986856.6	2950	14.25	14.25	753862	986866.3	3450	13.15	13.15
753372.1	986856.9	2960	14.71	14.71	753872	986866.4	3460	13.00	13.00
753382.1	986857.1	2970	15.29	15.29	753882	986866.6	3470	12.94	12.94
753392.1	986857.3	2980	16.60	16.60	753892	986866.8	3480	13.03	13.03
753402.1	986857.4	2990	19.01	19.01	753902	986867	3490	13.24	13.24
753412.1	986857.6	3000	23.04	23.04	753912	986867.2	3500	13.09	13.09
753422.1	986857.8	3010	78.43	78.43	753922	986867.4	3510	13.31	13.31
753432.1	986858	3020	289.70	89.70	753932	986867.6	3520	13.58	13.58
753432.1	986858	3020	181.37	81.37	753942	986867.8	3530	13.55	13.55
753442.1	986858.2	3030	48.43	48.43	753952	986868	3540	13.73	13.73

Easting	Northing	Station	Conduct.	In-Phase
753962	986868.2	3550	14.10	14.10
753972	986868.4	3560	14.10	14.10
753982	986868.6	3570	13.98	13.98
753992	986868.8	3580	14.07	14.07
754002	986868.9	3590	13.98	13.98
754012	986869.1	3600	13.95	13.95
754022	986869.3	3610	14.07	14.07
754032	986869.5	3620	13.85	13.85
754042	986869.7	3630	14.13	14.13
754052	986869.9	3640	13.89	13.89
754062	986870.1	3650	14.19	14.19
754072	986870.3	3660	14.13	14.13
754082	986870.5	3670	14.22	14.22
754092	986870.7	3680	14.53	14.53
754102	986870.9	3690	15.23	15.23
754112	986871.1	3700	15.81	15.81
754122	986871.3	3710	16.42	16.42
LINE 11				
751411.6	986769.2	1000	20.84	20.84
751421.6	986769.4	1010	17.49	17.49
751431.6	986769.6	1020	14.86	14.86
751441.6	986769.8	1030	13.55	13.55
751451.6	986769.9	1040	13.40	13.40
751461.5	986770.1	1050	12.85	12.85
751471.5	986770.3	1060	13.09	13.09
751481.5	986770.6	1070	13.03	13.03
751491.5	986770.8	1080	12.85	12.85
751501.5	986770.9	1090	12.91	12.91
751511.5	986771.1	1100	14.50	14.50
751521.5	986771.3	1110	14.43	14.43
751531.5	986771.5	1120	14.56	14.56
751541.5	986771.7	1130	14.89	14.89
751551.5	986771.9	1140	14.77	14.77
751561.5	986772.1	1150	14.74	14.74
751571.5	986772.3	1160	14.92	14.92
751581.5	986772.4	1170	14.62	14.62
751591.5	986772.6	1180	14.74	14.74
751601.5	986772.8	1190	14.74	14.74
751611.5	986773	1200	15.41	15.41
751621.5	986773.3	1210	14.50	14.50
751631.5	986773.4	1220	15.14	15.14
751641.5	986773.6	1230	14.80	14.80
751651.5	986773.8	1240	13.40	13.40
751661.5	986774	1250	15.23	15.23
751671.5	986774.2	1260	16.48	16.48
751681.5	986774.4	1270	16.14	16.14
751691.5	986774.6	1280	16.36	16.36
751701.5	986774.8	1290	16.85	16.85
751711.5	986774.9	1300	13.21	13.21
751721.5	986775.1	1310	14.31	14.31
751731.5	986775.3	1320	14.50	14.50

Easting	Northing	Station	Conduct.	In-Phase
751741.5	986775.5	1330	15.66	15.66
751751.5	986775.7	1340	16.30	16.30
751761.5	986775.9	1350	14.31	14.31
751761.5	986775.9	1350	12.39	12.39
751771.5	986776.1	1360	12.73	12.73
751771.5	986776.1	1360	12.91	12.91
751781.5	986776.3	1370	13.89	13.89
751781.5	986776.3	1370	13.09	13.09
751791.5	986776.5	1380	14.43	14.43
751791.5	986776.5	1380	13.98	13.98
751801.4	986776.7	1390	14.13	14.13
751801.4	986776.7	1390	14.83	14.83
751811.4	986776.9	1400	15.56	15.56
751811.4	986776.9	1400	14.22	14.22
751821.4	986777.1	1410	14.56	14.56
751831.4	986777.3	1420	14.47	14.47
751841.4	986777.4	1430	14.50	14.50
751851.4	986777.6	1440	13.70	13.70
751861.4	986777.8	1450	13.92	13.92
751871.4	986778	1460	12.97	12.97
751881.4	986778.2	1470	13.46	13.46
751891.4	986778.4	1480	13.09	13.09
751901.4	986778.6	1490	13.21	13.21
751911.4	986778.8	1500	13.06	13.06
751921.4	986779	1510	12.79	12.79
751931.4	986779.2	1520	12.70	12.70
751941.4	986779.4	1530	12.42	12.42
751951.4	986779.6	1540	12.66	12.66
751961.4	986779.8	1550	12.54	12.54
751971.4	986779.9	1560	12.79	12.79
751981.4	986780.1	1570	12.94	12.94
751991.4	986780.3	1580	12.88	12.88
752001.4	986780.5	1590	12.85	12.85
752011.4	986780.7	1600	13.03	13.03
752021.4	986780.9	1610	13.00	13.00
752031.4	986781.1	1620	12.85	12.85
752041.4	986781.3	1630	11.51	11.51
752051.4	986781.5	1640	13.12	13.12
752061.4	986781.7	1650	13.12	13.12
752071.4	986781.9	1660	13.06	13.06
752081.4	986782.1	1670	13.24	13.24
752091.4	986782.3	1680	12.91	12.91
752101.4	986782.4	1690	12.91	12.91
752111.4	986782.6	1700	12.88	12.88
752121.4	986782.8	1710	12.70	12.70
752131.4	986783	1720	12.66	12.66
752141.4	986783.2	1730	12.54	12.54
752151.4	986783.4	1740	12.88	12.88
752161.4	986783.6	1750	12.48	12.48
752171.4	986783.8	1760	13.06	13.06
752181.4	986784	1770	12.82	12.82

Easting	Northing	Station	Conduct.	In-Phase
752191.4	986784.2	1780	12.79	12.79
752201.4	986784.4	1790	13.18	13.18
752211.4	986784.6	1800	12.76	12.76
752221.4	986784.8	1810	13.03	13.03
752231.4	986784.9	1820	12.97	12.97
752241.4	986785.1	1830	12.97	12.97
752251.4	986785.3	1840	12.88	12.88
752261.4	986785.5	1850	12.57	12.57
752271.4	986785.7	1860	12.60	12.60
752281.4	986785.9	1870	12.97	12.97
752291.4	986786.1	1880	13.46	13.46
752301.4	986786.3	1890	13.98	13.98
752311.4	986786.4	1900	14.01	14.01
752321.4	986786.7	1910	14.83	14.83
752331.4	986786.9	1920	14.53	14.53
752341.4	986787.1	1930	14.10	14.10
752351.4	986787.3	1940	14.53	14.53
752361.4	986787.4	1950	14.40	14.40
752371.4	986787.6	1960	13.92	13.92
752381.4	986787.8	1970	14.04	14.04
752391.4	986788	1980	14.34	14.34
752401.4	986788.2	1990	15.59	15.59
752401.4	986788.2	1990	15.59	15.59
752411.4	986788.4	2000	14.16	14.16
752421.4	986788.6	2010	14.47	14.47
752431.4	986788.8	2020	14.59	14.59
752441.4	986788.9	2030	14.31	14.31
752451.4	986789.1	2040	14.19	14.19
752461.4	986789.4	2050	13.79	13.79
752471.4	986789.6	2060	13.70	13.70
752481.3	986789.8	2070	13.76	13.76
752491.3	986789.9	2080	13.12	13.12
752501.3	986790.1	2090	13.37	13.37
752511.3	986790.3	2100	12.88	12.88
752521.3	986790.5	2110	13.21	13.21
752531.3	986790.7	2120	12.97	12.97
752541.3	986790.9	2130	12.82	12.82
752551.3	986791.1	2140	12.85	12.85
752561.3	986791.3	2150	12.76	12.76
752571.3	986791.4	2160	12.88	12.88
752581.3	986791.6	2170	13.37	13.37
752591.3	986791.8	2180	13.12	13.12
752601.3	986792.1	2190	12.85	12.85
752611.3	986792.3	2200	12.94	12.94
752621.3	986792.4	2210	12.91	12.91
752631.3	986792.6	2220	12.82	12.82
752641.3	986792.8	2230	12.66	12.66
752651.3	986793	2240	12.82	12.82
752661.3	986793.2	2250	12.76	12.76
752671.3	986793.4	2260	12.73	12.73
752681.3	986793.6	2270	12.33	12.33

Easting	Northing	Station	Conduct.	In-Phase
752691.3	986793.8	2280	12.51	12.51
752701.3	986793.9	2290	12.36	12.36
752711.3	986794.1	2300	12.30	12.30
752721.3	986794.3	2310	12.05	12.05
752731.3	986794.5	2320	12.39	12.39
752741.3	986794.8	2330	12.18	12.18
752751.3	986794.9	2340	12.21	12.21
752761.3	986795.1	2350	12.24	12.24
752771.3	986795.3	2360	11.87	11.87
752781.3	986795.5	2370	12.51	12.51
752791.3	986795.7	2380	12.39	12.39
752801.3	986795.9	2390	12.42	12.42
752811.3	986796.1	2400	12.30	12.30
752821.3	986796.3	2410	11.96	11.96
752831.3	986796.4	2420	12.45	12.45
752841.3	986796.6	2430	12.27	12.27
752851.3	986796.8	2440	12.82	12.82
752861.3	986797	2450	12.94	12.94
752871.3	986797.2	2460	13.12	13.12
752881.3	986797.4	2470	13.46	13.46
752891.3	986797.6	2480	14.19	14.19
752901.3	986797.8	2490	14.83	14.83
752911.3	986798	2500	15.93	15.93
752921.3	986798.2	2510	15.99	15.99
752931.3	986798.4	2520	16.30	16.30
752941.3	986798.6	2530	16.14	16.14
752951.3	986798.8	2540	17.03	17.03
752961.3	986798.9	2550	17.06	17.06
752971.3	986799.1	2560	16.88	16.88
752981.3	986799.3	2570	17.79	17.79
752991.3	986799.5	2580	16.51	16.51
753001.3	986799.7	2590	16.24	16.24
753011.3	986799.9	2600	15.69	15.69
753021.3	986800.1	2610	15.05	15.05
753031.3	986800.3	2620	14.65	14.65
753041.3	986800.5	2630	14.77	14.77
753051.3	986800.7	2640	14.62	14.62
753061.3	986800.9	2650	14.13	14.13
753071.3	986801.1	2660	14.53	14.53
753081.3	986801.3	2670	13.70	13.70
753091.3	986801.4	2680	13.79	13.79
753101.3	986801.6	2690	13.82	13.82
753111.3	986801.8	2700	13.52	13.52
753121.3	986802	2710	13.76	13.76
753131.3	986802.2	2720	13.73	13.73
753141.3	986802.4	2730	13.67	13.67
753151.2	986802.6	2740	14.16	14.16
753161.2	986802.8	2750	13.82	13.82
753171.2	986803	2760	13.76	13.76
753181.2	986803.2	2770	13.89	13.89
753191.2	986803.4	2780	13.82	13.82

Easting	Northing	Station	Conduct.	In-Phase
753201.2	986803.6	2790	13.73	13.73
753211.2	986803.8	2800	13.79	13.79
753221.2	986803.9	2810	13.70	13.70
753231.2	986804.1	2820	13.64	13.64
753241.2	986804.3	2830	13.76	13.76
753251.2	986804.5	2840	13.37	13.37
753261.2	986804.7	2850	13.70	13.70
753271.2	986804.9	2860	13.18	13.18
753281.2	986805.1	2870	13.40	13.40
753291.2	986805.3	2880	13.00	13.00
753301.2	986805.5	2890	13.49	13.49
753311.2	986805.7	2900	13.18	13.18
753321.2	986805.9	2910	13.64	13.64
753331.2	986806.1	2920	13.37	13.37
753341.2	986806.3	2930	13.58	13.58
753351.2	986806.4	2940	13.43	13.43
753361.2	986806.6	2950	14.47	14.47
753371.2	986806.8	2960	14.34	14.34
753381.2	986807	2970	14.16	14.16
753391.2	986807.2	2980	14.22	14.22
753401.2	986807.4	2990	14.25	14.25
753411.2	986807.6	3000	15.50	15.50
753421.2	986807.8	3010	15.20	15.20
753431.2	986807.9	3020	17.97	17.97
753441.2	986808.2	3030	20.32	20.32
753451.2	986808.4	3040	28.41	28.41
753461.2	986808.6	3050	50.93	50.93
LINE 12				
751362.8	986717.4	950	11.84	11.84
751372.8	986717.4	960	14.25	14.25
751382.8	986717.4	970	14.07	14.07
751392.8	986717.5	980	11.84	11.84
751402.8	986717.6	990	11.63	11.63
751412.8	986717.6	1000	11.63	11.63
751422.8	986717.7	1010	12.05	12.05
751432.8	986717.7	1020	12.97	12.97
751442.8	986717.8	1030	14.74	14.74
751452.8	986717.8	1040	6.87	6.87
751462.8	986717.9	1050	-10.47	10.47
751472.8	986717.9	1060	-12.51	12.51
751482.8	986718	1070	0.55	0.55
751492.8	986718	1080	16.20	16.20
751502.8	986718.1	1090	14.98	14.98
751512.8	986718.1	1100	13.85	13.85
751522.8	986718.2	1110	13.82	13.82
751532.8	986718.3	1120	13.12	13.12
751542.8	986718.3	1130	13.15	13.15
751552.8	986718.3	1140	14.28	14.28
751562.8	986718.4	1150	15.47	15.47
751572.8	986718.4	1160	15.96	15.96
751582.8	986718.5	1170	16.45	16.45
751592.8	986718.6	1180	16.60	16.60
751602.8	986718.6	1190	16.57	16.57
751612.8	986718.7	1200	17.61	17.61
751622.8	986718.7	1210	17.30	17.30
751632.8	986718.8	1220	17.76	17.76
751642.8	986718.8	1230	16.88	16.88
751652.8	986718.9	1240	16.20	16.20
751662.8	986718.9	1250	15.26	15.26
751672.8	986719	1260	14.25	14.25
751682.8	986719	1270	13.89	13.89
751692.8	986719.1	1280	15.75	15.75
751702.8	986719.1	1290	15.81	15.81
751712.8	986719.2	1300	15.01	15.01
751722.8	986719.3	1310	16.85	16.85
751732.8	986719.3	1320	14.86	14.86
751742.8	986719.3	1330	19.53	19.53
751752.8	986719.4	1340	16.33	16.33
751762.8	986719.4	1350	15.11	15.11
751762.8	986719.4	1350	13.37	13.37
751772.8	986719.5	1360	15.11	15.11
751772.8	986719.5	1360	14.80	14.80
751782.8	986719.6	1370	15.53	15.53
751782.8	986719.6	1370	14.92	14.92
751792.8	986719.6	1380	14.28	14.28
751792.8	986719.6	1380	14.56	14.56
751802.8	986719.6	1390	14.59	14.59
751802.8	986719.6	1390	14.10	14.10
751812.8	986719.7	1400	13.85	13.85
751812.8	986719.7	1400	14.10	14.10
751822.8	986719.8	1410	15.01	15.01
751832.8	986719.8	1420	14.83	14.83
751842.8	986719.9	1430	14.43	14.43
751852.8	986719.9	1440	14.16	14.16
751862.8	986719.9	1450	13.98	13.98
751872.8	986720	1460	13.98	13.98
751882.8	986720.1	1470	14.19	14.19
751892.8	986720.1	1480	14.25	14.25
751902.8	986720.2	1490	14.34	14.34
751912.8	986720.3	1500	14.37	14.37
751922.8	986720.3	1510	14.10	14.10
751932.8	986720.3	1520	13.21	13.21
751942.8	986720.4	1530	12.79	12.79
751952.8	986720.4	1540	12.51	12.51
751962.8	986720.5	1550	12.51	12.51
751972.8	986720.6	1560	13.00	13.00
751982.8	986720.6	1570	12.88	12.88
751992.8	986720.6	1580	13.06	13.06
752002.8	986720.7	1590	11.57	11.57
752012.8	986720.8	1600	11.14	11.14
752022.8	986720.8	1610	11.23	11.23
752032.8	986720.9	1620	11.57	11.57

Easting	Northing	Station	Conduct.	In-Phase
752042.8	986720.9	1630	13.37	13.37
752052.8	986720.9	1640	13.12	13.12
752062.8	986721	1650	12.79	12.79
752072.8	986721.1	1660	13.12	13.12
752082.8	986721.1	1670	12.76	12.76
752092.8	986721.2	1680	13.06	13.06
752102.8	986721.3	1690	13.37	13.37
752112.8	986721.3	1700	13.00	13.00
752122.8	986721.3	1710	12.79	12.79
752132.8	986721.4	1720	12.88	12.88
752142.8	986721.4	1730	12.79	12.79
752152.8	986721.5	1740	12.79	12.79
752162.8	986721.6	1750	12.70	12.70
752172.8	986721.6	1760	12.57	12.57
752182.7	986721.6	1770	12.42	12.42
752192.7	986721.7	1780	12.42	12.42
752202.7	986721.8	1790	12.36	12.36
752212.7	986721.8	1800	12.54	12.54
752222.7	986721.9	1810	12.30	12.30
752232.7	986721.9	1820	12.27	12.27
752242.7	986721.9	1830	12.21	12.21
752252.7	986722	1840	12.33	12.33
752262.7	986722.1	1850	12.48	12.48
752272.7	986722.1	1860	12.66	12.66
752282.7	986722.2	1870	12.51	12.51
752292.7	986722.2	1880	12.94	12.94
752302.7	986722.3	1890	13.03	13.03
752312.7	986722.3	1900	12.97	12.97
752322.7	986722.4	1910	13.00	13.00
752332.7	986722.4	1920	12.85	12.85
752342.7	986722.5	1930	13.00	13.00
752352.7	986722.6	1940	13.21	13.21
752362.7	986722.6	1950	13.73	13.73
752372.7	986722.6	1960	13.37	13.37
752382.7	986722.7	1970	13.79	13.79
752392.7	986722.8	1980	13.61	13.61
752402.7	986722.8	1990	13.64	13.64
752412.7	986722.9	2000	13.61	13.61
752422.7	986722.9	2010	13.34	13.34
752432.7	986722.9	2020	13.43	13.43
752442.7	986723	2030	13.15	13.15
752452.7	986723.1	2040	13.09	13.09
752462.7	986723.1	2050	12.82	12.82
752472.7	986723.2	2060	12.48	12.48
752482.7	986723.2	2070	12.97	12.97
752492.7	986723.3	2080	12.94	12.94
752502.7	986723.3	2090	12.97	12.97
752512.7	986723.4	2100	13.03	13.03
752522.7	986723.4	2110	12.85	12.85
752532.7	986723.5	2120	13.06	13.06
752542.7	986723.5	2130	12.91	12.91
752552.7	986723.6	2140	12.88	12.88
752562.7	986723.6	2150	13.12	13.12
752572.7	986723.7	2160	12.82	12.82
752582.7	986723.8	2170	12.51	12.51
752592.7	986723.8	2180	12.85	12.85
752602.7	986723.8	2190	12.88	12.88
752612.7	986723.9	2200	11.57	11.57
752622.7	986723.9	2210	12.94	12.94
752632.7	986724	2220	12.73	12.73
752642.7	986724.1	2230	12.63	12.63
752652.7	986724.1	2240	13.06	13.06
752662.7	986724.1	2250	12.91	12.91
752672.7	986724.2	2260	12.85	12.85
752682.7	986724.3	2270	12.88	12.88
752692.7	986724.3	2280	12.60	12.60
752702.7	986724.4	2290	12.76	12.76
752712.7	986724.4	2300	12.30	12.30
752722.7	986724.4	2310	12.39	12.39
752732.7	986724.5	2320	12.48	12.48
752742.7	986724.6	2330	12.30	12.30
752752.7	986724.6	2340	12.39	12.39
752762.7	986724.7	2350	12.51	12.51
752772.7	986724.8	2360	12.97	12.97
752782.7	986724.8	2370	12.85	12.85
752792.7	986724.8	2380	13.61	13.61
752802.7	986724.9	2390	12.85	12.85
752812.7	986724.9	2400	12.45	12.45
752822.7	986725	2410	12.91	12.91
752832.7	986725.1	2420	12.60	12.60
752842.7	986725.1	2430	12.85	12.85
752852.7	986725.1	2440	12.88	12.88
752862.7	986725.2	2450	12.30	12.30
752872.7	986725.3	2460	12.12	12.12
752882.7	986725.3	2470	12.51	12.51
752892.7	986725.4	2480	12.60	12.60
752902.7	986725.4	2490	13.34	13.34
752912.7	986725.4	2500	14.01	14.01
752922.7	986725.5	2510	14.31	14.31
752932.7	986725.6	2520	14.43	14.43
752942.7	986725.6	2530	14.98	14.98
752952.7	986725.7	2540	15.56	15.56
752962.7	986725.8	2550	15.56	15.56
752972.7	986725.8	2560	15.75	15.75
752982.7	986725.8	2570	15.26	15.26
752992.7	986725.9	2580	14.86	14.86
753002.7	986725.9	2590	15.08	15.08
753012.7	986726	2600	14.95	14.95
753022.7	986726.1	2610	14.37	14.37
753032.7	986726.1	2620	14.50	14.50
753042.7	986726.1	2630	14.19	14.19
753052.7	986726.2	2640	14.34	14.34

Easting	Northing	Station	Conduct.	In-Phase
753062.7	986726.3	2650	14.22	14.22
753072.7	986726.3	2660	14.62	14.62
753082.7	986726.4	2670	13.73	13.73
753092.7	986726.4	2680	13.06	13.06
753102.7	986726.4	2690	12.88	12.88
753112.7	986726.5	2700	12.79	12.79
753122.7	986726.6	2710	12.79	12.79
753132.7	986726.6	2720	13.12	13.12
753142.7	986726.7	2730	13.58	13.58
753152.7	986726.8	2740	13.61	13.61
753162.7	986726.8	2750	13.67	13.67
753172.7	986726.8	2760	13.73	13.73
753182.7	986726.9	2770	14.34	14.34
753192.7	986726.9	2780	13.73	13.73
753202.7	986727	2790	13.76	13.76
753212.7	986727.1	2800	13.85	13.85
753222.7	986727.1	2810	13.37	13.37
753232.7	986727.1	2820	14.04	14.04
753242.7	986727.2	2830	13.06	13.06
753252.7	986727.3	2840	13.31	13.31
753262.7	986727.3	2850	13.34	13.34
753272.7	986727.4	2860	13.46	13.46
753282.7	986727.4	2870	13.28	13.28
753292.7	986727.4	2880	13.21	13.21
753302.7	986727.5	2890	13.12	13.12
753312.7	986727.6	2900	13.03	13.03
753322.7	986727.6	2910	12.85	12.85
753332.7	986727.7	2920	15.78	15.78
753342.7	986727.7	2930	12.94	12.94
753352.7	986727.8	2940	13.18	13.18
753362.7	986727.8	2950	13.49	13.49
753372.7	986727.9	2960	13.49	13.49
753382.7	986727.9	2970	14.07	14.07
753392.7	986728	2980	14.10	14.10
753402.7	986728	2990	14.19	14.19
753412.7	986728.1	3000	14.53	14.53
753422.7	986728.1	3010	16.02	16.02
753432.7	986728.2	3020	19.62	19.62
753442.7	986728.3	3030	24.60	24.60
753452.7	986728.3	3040	46.78	46.78
753462.7	986728.3	3050	134.03	34.03
753492.7	986728.5	3080	30.46	30.46
753502.7	986728.6	3090	22.34	22.34
753512.7	986728.6	3100	17.18	17.18
753522.7	986728.7	3110	15.11	15.11
753532.7	986728.7	3120	14.19	14.19
753542.7	986728.8	3130	13.61	13.61
753552.7	986728.8	3140	13.79	13.79
753562.7	986728.9	3150	13.15	13.15
753572.7	986728.9	3160	13.12	13.12
753582.7	986729	3170	13.15	13.15
753592.7	986729	3180	13.06	13.06
753602.7	986729.1	3190	13.18	13.18
753612.7	986729.1	3200	12.82	12.82
753622.7	986729.2	3210	12.76	12.76
753632.7	986729.3	3220	13.06	13.06
753642.7	986729.3	3230	12.91	12.91
753652.7	986729.3	3240	12.82	12.82
753662.7	986729.4	3250	12.85	12.85
753672.7	986729.4	3260	13.37	13.37
753682.7	986729.5	3270	13.00	13.00
753692.7	986729.6	3280	13.64	13.64
753702.7	986729.6	3290	13.64	13.64
753712.7	986729.6	3300	13.70	13.70
753722.7	986729.7	3310	13.46	13.46
753732.7	986729.8	3320	13.43	13.43
753742.7	986729.8	3330	13.28	13.28
753752.7	986729.9	3340	13.37	13.37
753762.7	986729.9	3350	13.24	13.24
753772.7	986729.9	3360	13.34	13.34
753782.7	986730	3370	13.31	13.31
753792.7	986730.1	3380	13.28	13.28
753802.7	986730.1	3390	13.06	13.06
753812.7	986730.2	3400	13.09	13.09
753822.7	986730.3	3410	13.06	13.06
753832.7	986730.3	3420	13.06	13.06
753842.7	986730.3	3430	13.06	13.06
753852.7	986730.4	3440	13.06	13.06
753862.7	986730.4	3450	13.31	13.31
753872.7	986730.5	3460	12.88	12.88
753882.7	986730.6	3470	13.00	13.00
753892.7	986730.6	3480	12.76	12.76
753902.7	986730.6	3490	12.66	12.66
753912.7	986730.7	3500	12.60	12.60
753922.7	986730.8	3510	12.79	12.79
753932.7	986730.8	3520	12.73	12.73
753942.7	986730.9	3530	13.18	13.18
753952.7	986730.9	3540	13.06	13.06
753962.7	986730.9	3550	13.52	13.52
753972.7	986731	3560	13.55	13.55
753982.7	986731.1	3570	13.43	13.43
753992.7	986731.1	3580	13.46	13.46
754002.7	986731.2	3590	13.09	13.09
754012.7	986731.3	3600	13.52	13.52
754022.7	986731.3	3610	13.37	13.37
754032.7	986731.3	3620	13.49	13.49
754042.7	986731.4	3630	13.58	13.58
754052.7	986731.4	3640	13.76	13.76
754062.7	986731.5	3650	13.98	13.98
754072.7	986731.6	3660	14.19	14.19
754082.7	986731.6	3670	14.37	14.37
754092.7	986731.6	3680	14.10	14.10

Easting	Northing	Station	Conduct.	In-Phase
754102.7	986731.7	3690	13.95	13.95
754112.7	986731.8	3700	14.16	14.16
754122.7	986731.8	3710	14.31	14.31
754132.7	986731.9	3720	14.50	14.50
754142.7	986731.9	3730	15.50	15.50
LINE 13				
751381.1	986667.4	970	14.37	14.37
751391.1	986667.5	980	13.58	13.58
751401.1	986667.6	990	12.57	12.57
751411.1	986667.6	1000	12.48	12.48
751421.1	986667.6	1010	12.60	12.60
751431.1	986667.7	1020	12.88	12.88
751441.1	986667.8	1030	12.39	12.39
751451.1	986667.8	1040	11.69	11.69
751461.1	986667.9	1050	12.12	12.12
751471.1	986667.9	1060	14.25	14.25
751481.1	986667.9	1070	17.40	17.40
751491.1	986668	1080	5.28	5.28
751501.1	986668.1	1090	7.51	7.51
751511.1	986668.1	1100	5.74	5.74
751521.1	986668.2	1110	5.00	5.00
751531.1	986668.3	1120	18.59	18.59
751541.1	986668.3	1130	15.35	15.35
751551.1	986668.3	1140	14.16	14.16
751561.1	986668.4	1150	13.95	13.95
751571.1	986668.4	1160	14.28	14.28
751581.1	986668.5	1170	14.22	14.22
751591.1	986668.6	1180	15.14	15.14
751601.1	986668.6	1190	15.84	15.84
751611.1	986668.6	1200	17.00	17.00
751621.1	986668.7	1210	18.46	18.46
751631.1	986668.8	1220	19.81	19.81
751641.1	986668.8	1230	17.12	17.12
751651.1	986668.9	1240	15.78	15.78
751661.1	986668.9	1250	17.09	17.09
751671.1	986668.9	1260	16.42	16.42
751681.1	986669	1270	18.62	18.62
751691.1	986669.1	1280	0.46	0.46
751701.1	986669.1	1290	17.64	17.64
751711.1	986669.2	1300	18.28	18.28
751721.1	986669.3	1310	14.98	14.98
751731.1	986669.3	1320	19.38	19.38
751741.1	986669.3	1330	15.47	15.47
751751.1	986669.4	1340	14.74	14.74
751761.1	986669.4	1350	16.33	16.33
751761.1	986669.4	1350	15.62	15.62
751771.1	986669.5	1360	16.42	16.42
751771.1	986669.5	1360	14.68	14.68
751781.1	986669.6	1370	14.83	14.83
751781.1	986669.6	1370	13.52	13.52
751791.1	986669.6	1380	14.40	14.40

Easting	Northing	Station	Conduct.	In-Phase
751791.1	986669.6	1380	13.79	13.79
751801.1	986669.6	1390	13.98	13.98
751801.1	986669.6	1390	13.31	13.31
751811.1	986669.7	1400	13.98	13.98
751811.1	986669.7	1400	13.76	13.76
751821.1	986669.8	1410	15.05	15.05
751831.1	986669.8	1420	15.14	15.14
751841.1	986669.9	1430	11.20	11.20
751851.1	986669.9	1440	16.48	16.48
751861.1	986669.9	1450	14.86	14.86
751871.1	986670	1460	13.89	13.89
751881.1	986670.1	1470	13.79	13.79
751891.1	986670.1	1480	13.03	13.03
751901.1	986670.2	1490	12.39	12.39
751911.1	986670.2	1500	12.15	12.15
751921.1	986670.3	1510	11.72	11.72
751931.1	986670.3	1520	11.87	11.87
751941.1	986670.4	1530	13.46	13.46
751951.1	986670.4	1540	12.66	12.66
751961.1	986670.5	1550	11.84	11.84
751971.1	986670.6	1560	12.82	12.82
751981.1	986670.6	1570	13.21	13.21
751991.1	986670.6	1580	12.88	12.88
752001.1	986670.7	1590	12.57	12.57
752011.1	986670.8	1600	13.18	13.18
752021.1	986670.8	1610	12.82	12.82
752031.1	986670.9	1620	12.33	12.33
752041.1	986670.9	1630	11.90	11.90
752051.1	986670.9	1640	11.23	11.23
752061.1	986671	1650	11.32	11.32
752071.1	986671.1	1660	11.35	11.35
752081.1	986671.1	1670	11.63	11.63
752091.1	986671.2	1680	12.12	12.12
752101.1	986671.2	1690	13.06	13.06
752111.1	986671.3	1700	13.85	13.85
752121.1	986671.3	1710	13.46	13.46
752131.1	986671.4	1720	14.10	14.10
752141.1	986671.4	1730	14.28	14.28
752151.1	986671.5	1740	13.89	13.89
752161.1	986671.5	1750	13.85	13.85
752171.1	986671.6	1760	13.73	13.73
752181.1	986671.6	1770	13.55	13.55
752191.1	986671.7	1780	13.73	13.73
752201.1	986671.8	1790	13.82	13.82
752211.1	986671.8	1800	14.19	14.19
752221.1	986671.8	1810	14.68	14.68
752231.1	986671.9	1820	13.00	13.00
752241.1	986671.9	1830	12.82	12.82
752251.1	986672	1840	13.12	13.12
752261.1	986672.1	1850	12.57	12.57
752271.1	986672.1	1860	12.54	12.54

Easting	Northing	Station	Conduct.	In-Phase
752281.1	986672.1	1870	11.44	11.44
752291.1	986672.2	1880	11.11	11.11
752301.1	986672.3	1890	11.44	11.44
752311.1	986672.3	1900	11.90	11.90
752321.1	986672.4	1910	12.94	12.94
752331.1	986672.4	1920	13.06	13.06
752341.1	986672.5	1930	13.24	13.24
752351.1	986672.5	1940	13.24	13.24
752361.1	986672.6	1950	13.49	13.49
752371.1	986672.6	1960	13.12	13.12
752381.1	986672.7	1970	13.28	13.28
752391.1	986672.8	1980	13.37	13.37
752401.1	986672.8	1990	13.18	13.18
752411.1	986672.8	2000	13.37	13.37
752421.1	986672.9	2010	13.06	13.06
752431.1	986672.9	2020	12.66	12.66
752441.1	986673	2030	12.97	12.97
752451.1	986673.1	2040	12.94	12.94
752461.1	986673.1	2050	12.94	12.94
752471.1	986673.1	2060	12.79	12.79
752481.1	986673.2	2070	12.66	12.66
752491.1	986673.3	2080	12.82	12.82
752501.1	986673.3	2090	12.60	12.60
752511.1	986673.4	2100	12.54	12.54
752521.1	986673.4	2110	12.70	12.70
752531.1	986673.4	2120	12.42	12.42
752541.1	986673.5	2130	12.70	12.70
752551.1	986673.6	2140	12.45	12.45
752561.1	986673.6	2150	12.51	12.51
752571.1	986673.7	2160	12.82	12.82
752581.1	986673.8	2170	12.30	12.30
752591.1	986673.8	2180	12.51	12.51
752601.1	986673.8	2190	13.06	13.06
752611.1	986673.9	2200	12.79	12.79
752621.1	986673.9	2210	13.58	13.58
752631.1	986674	2220	13.18	13.18
752641.1	986674.1	2230	12.70	12.70
752651.1	986674.1	2240	12.97	12.97
752661.1	986674.1	2250	12.70	12.70
752671.1	986674.2	2260	12.97	12.97
752681.1	986674.3	2270	12.36	12.36
752691.1	986674.3	2280	12.51	12.51
752701.1	986674.4	2290	12.91	12.91
752711.1	986674.4	2300	12.42	12.42
752721.1	986674.4	2310	13.09	13.09
752731.1	986674.5	2320	12.82	12.82
752741.1	986674.6	2330	12.79	12.79
752751.1	986674.6	2340	12.82	12.82
752761.1	986674.7	2350	13.28	13.28
752771.1	986674.8	2360	13.28	13.28
752781.1	986674.8	2370	13.79	13.79
752791.1	986674.8	2380	13.06	13.06
752801.1	986674.9	2390	13.79	13.79
752811.1	986674.9	2400	13.12	13.12
752821.1	986675	2410	13.55	13.55
752831.1	986675.1	2420	14.10	14.10
752841.1	986675.1	2430	13.61	13.61
752851.1	986675.1	2440	13.73	13.73
752861.1	986675.2	2450	13.12	13.12
752871.1	986675.3	2460	13.34	13.34
752881.1	986675.3	2470	12.57	12.57
752891.1	986675.4	2480	13.12	13.12
752901.1	986675.4	2490	12.82	12.82
752911.1	986675.4	2500	12.76	12.76
752921.1	986675.5	2510	13.43	13.43
752931.1	986675.6	2520	13.92	13.92
752941.1	986675.6	2530	13.95	13.95
752951.1	986675.7	2540	14.31	14.31
752961.1	986675.7	2550	13.82	13.82
752971.1	986675.8	2560	13.24	13.24
752981.1	986675.8	2570	13.55	13.55
752991.1	986675.9	2580	13.37	13.37
753001.1	986675.9	2590	13.58	13.58
753011.1	986676	2600	13.49	13.49
753021.1	986676	2610	13.85	13.85
753031.1	986676.1	2620	13.98	13.98
753041.1	986676.1	2630	14.53	14.53
753051.1	986676.2	2640	13.82	13.82
753061.1	986676.3	2650	14.10	14.10
753071.1	986676.3	2660	13.09	13.09
753081.1	986676.4	2670	13.43	13.43
753091.1	986676.4	2680	13.64	13.64
753101.1	986676.4	2690	13.52	13.52
753111.1	986676.5	2700	13.98	13.98
753121.1	986676.6	2710	13.76	13.76
753131.1	986676.6	2720	13.46	13.46
753141.1	986676.7	2730	13.12	13.12
753151.1	986676.7	2740	13.37	13.37
753161.1	986676.8	2750	13.58	13.58
753171.1	986676.8	2760	14.01	14.01
753181.1	986676.9	2770	13.06	13.06
753191.1	986676.9	2780	13.67	13.67
753201.1	986677	2790	13.67	13.67
753211.1	986677	2800	13.64	13.64
753221.1	986677.1	2810	13.21	13.21
753231.1	986677.1	2820	13.76	13.76
753241.1	986677.2	2830	12.97	12.97
753251.1	986677.3	2840	12.57	12.57
753261.1	986677.3	2850	13.37	13.37
753271.1	986677.3	2860	13.67	13.67
753281.1	986677.4	2870	13.43	13.43
753291.1	986677.4	2880	13.24	13.24

Easting	Northing	Station	Conduct.	In-Phase
753301.1	986677.5	2890	13.79	13.79
753311.1	986677.6	2900	13.18	13.18
753321.1	986677.6	2910	13.40	13.40
753331.1	986677.6	2920	13.18	13.18
753341.1	986677.7	2930	12.91	12.91
753351.1	986677.8	2940	12.91	12.91
753361.1	986677.8	2950	12.82	12.82
753371.1	986677.9	2960	13.28	13.28
753381.1	986677.9	2970	12.91	12.91
753391.1	986677.9	2980	12.48	12.48
753401.1	986678	2990	12.85	12.85
753411.1	986678.1	3000	13.73	13.73
753421.1	986678.1	3010	11.35	11.35
753431.1	986678.2	3020	15.35	15.35
753441.1	986678.3	3030	14.98	14.98
753451.1	986678.3	3040	17.64	17.64
753461.1	986678.3	3050	26.55	26.55
753491.1	986678.5	3080	30.18	30.18
753501.1	986678.6	3090	20.45	20.45
753511.1	986678.6	3100	16.08	16.08
753521.1	986678.6	3110	13.64	13.64
753531.1	986678.7	3120	14.40	14.40
753541.1	986678.8	3130	14.01	14.01
753551.1	986678.8	3140	13.95	13.95
753561.1	986678.9	3150	13.89	13.89
753571.1	986678.9	3160	13.55	13.55
753581.1	986678.9	3170	13.70	13.70
753591.1	986679	3180	13.46	13.46
753601.1	986679.1	3190	13.40	13.40
753611.1	986679.1	3200	13.46	13.46
753621.1	986679.2	3210	13.37	13.37
753631.1	986679.3	3220	13.67	13.67
753641.1	986679.3	3230	13.52	13.52
753651.1	986679.3	3240	13.49	13.49
753661.1	986679.4	3250	13.34	13.34
753671.1	986679.4	3260	13.28	13.28
753681.1	986679.5	3270	13.24	13.24
753691.1	986679.6	3280	13.31	13.31
753701.1	986679.6	3290	13.46	13.46
753711.1	986679.6	3300	13.24	13.24
753721.1	986679.7	3310	13.18	13.18
753731.1	986679.8	3320	13.34	13.34
753741.1	986679.8	3330	12.97	12.97
753751.1	986679.9	3340	13.24	13.24
753761.1	986679.9	3350	13.03	13.03
753771.1	986679.9	3360	13.31	13.31
753781.1	986680	3370	13.28	13.28
753791.1	986680.1	3380	13.28	13.28
753801.1	986680.1	3390	13.24	13.24
753811.1	986680.2	3400	13.52	13.52
753821.1	986680.3	3410	13.46	13.46

Easting	Northing	Station	Conduct.	In-Phase
753831.1	986680.3	3420	13.49	13.49
753841.1	986680.3	3430	13.58	13.58
753851.1	986680.4	3440	13.73	13.73
753861.1	986680.4	3450	13.55	13.55
753871.1	986680.5	3460	13.34	13.34
753881.1	986680.6	3470	13.34	13.34
753891.1	986680.6	3480	13.34	13.34
753901.1	986680.6	3490	13.06	13.06
753911.1	986680.7	3500	13.31	13.31
753921.1	986680.8	3510	12.97	12.97
753931.1	986680.8	3520	13.34	13.34
753941.1	986680.9	3530	13.40	13.40
753951.1	986680.9	3540	13.49	13.49
753961.1	986680.9	3550	13.55	13.55
753971.1	986681	3560	13.85	13.85
753981.1	986681.1	3570	13.95	13.95
753991.1	986681.1	3580	13.92	13.92
754001.1	986681.2	3590	13.95	13.95
754011.1	986681.2	3600	14.22	14.22
754021.1	986681.3	3610	13.82	13.82
754031.1	986681.3	3620	13.89	13.89
754041.1	986681.4	3630	13.98	13.98
754051.1	986681.4	3640	13.43	13.43
754061.1	986681.5	3650	13.95	13.95
754071.1	986681.5	3660	13.67	13.67
754081.1	986681.6	3670	13.46	13.46
754091.1	986681.6	3680	13.61	13.61
754101.1	986681.7	3690	13.61	13.61
754111.1	986681.8	3700	13.79	13.79
754121.1	986681.8	3710	14.25	14.25
754131.1	986681.8	3720	15.08	15.08
754141.1	986681.9	3730	15.44	15.44
LINE 14				
751359.4	986617.3	950	12.70	12.70
751369.4	986617.4	960	12.85	12.85
751379.4	986617.4	970	12.66	12.66
751389.4	986617.5	980	12.54	12.54
751399.4	986617.6	990	13.61	13.61
751409.4	986617.6	1000	14.01	14.01
751419.4	986617.6	1010	12.48	12.48
751429.4	986617.7	1020	12.57	12.57
751439.4	986617.8	1030	12.45	12.45
751449.4	986617.8	1040	12.82	12.82
751459.4	986617.9	1050	13.64	13.64
751469.4	986617.9	1060	13.58	13.58
751479.4	986617.9	1070	13.18	13.18
751489.4	986618	1080	12.57	12.57
751499.4	986618.1	1090	15.66	15.66
751509.4	986618.1	1100	20.57	20.57
751519.4	986618.2	1110	17.15	17.15
751529.4	986618.3	1120	8.73	8.73

Easting	Northing	Station	Conduct.	In-Phase
751539.4	986618.3	1130	8.06	8.06
751549.4	986618.3	1140	21.12	21.12
751559.4	986618.4	1150	1.07	1.07
751569.4	986618.4	1160	12.66	12.66
751579.4	986618.5	1170	16.85	16.85
751589.4	986618.6	1180	16.11	16.11
751599.4	986618.6	1190	14.89	14.89
751609.4	986618.6	1200	13.61	13.61
751619.4	986618.7	1210	14.37	14.37
751629.4	986618.8	1220	14.86	14.86
751639.4	986618.8	1230	15.38	15.38
751649.4	986618.9	1240	14.59	14.59
751659.4	986618.9	1250	13.70	13.70
751669.4	986618.9	1260	14.43	14.43
751679.4	986619	1270	16.48	16.48
751689.4	986619.1	1280	2.01	2.01
751699.4	986619.1	1290	17.58	17.58
751709.4	986619.2	1300	17.97	17.97
751719.4	986619.2	1310	17.94	17.94
751729.4	986619.3	1320	0.98	0.98
751739.4	986619.3	1330	19.81	19.81
751749.4	986619.4	1340	17.52	17.52
751759.4	986619.4	1350	19.56	19.56
751759.4	986619.4	1350	18.40	18.40
751769.4	986619.5	1360	19.38	19.38
751769.4	986619.5	1360	18.55	18.55
751779.4	986619.5	1370	18.86	18.86
751779.4	986619.5	1370	19.01	19.01
751789.4	986619.6	1380	16.36	16.36
751789.4	986619.6	1380	16.36	16.36
751799.4	986619.6	1390	17.85	17.85
751799.4	986619.6	1390	15.62	15.62
751809.4	986619.7	1400	14.95	14.95
751809.4	986619.7	1400	17.06	17.06
751819.4	986619.8	1410	14.53	14.53
751829.4	986619.8	1420	14.37	14.37
751839.4	986619.8	1430	14.04	14.04
751849.4	986619.9	1440	13.98	13.98
751859.4	986619.9	1450	13.61	13.61
751869.4	986620	1460	13.79	13.79
751879.4	986620.1	1470	13.31	13.31
751889.4	986620.1	1480	13.24	13.24
751899.4	986620.2	1490	13.03	13.03
751909.4	986620.2	1500	12.70	12.70
751919.4	986620.3	1510	12.24	12.24
751929.4	986620.3	1520	12.02	12.02
751939.4	986620.4	1530	11.72	11.72
751949.4	986620.4	1540	12.12	12.12
751959.4	986620.5	1550	12.02	12.02
751969.4	986620.5	1560	12.12	12.12
751979.4	986620.6	1570	12.24	12.24

Easting	Northing	Station	Conduct.	In-Phase
751989.4	986620.6	1580	12.12	12.12
751999.4	986620.7	1590	12.42	12.42
752009.4	986620.8	1600	12.48	12.48
752019.4	986620.8	1610	12.51	12.51
752029.4	986620.8	1620	12.76	12.76
752039.4	986620.9	1630	12.97	12.97
752049.4	986620.9	1640	12.73	12.73
752059.4	986621	1650	12.91	12.91
752069.4	986621.1	1660	13.06	13.06
752079.4	986621.1	1670	13.03	13.03
752089.4	986621.1	1680	13.03	13.03
752099.4	986621.2	1690	12.97	12.97
752109.4	986621.3	1700	12.66	12.66
752119.4	986621.3	1710	12.85	12.85
752129.4	986621.4	1720	12.54	12.54
752139.4	986621.4	1730	12.63	12.63
752149.4	986621.4	1740	12.54	12.54
752159.4	986621.5	1750	12.45	12.45
752169.4	986621.6	1760	12.21	12.21
752179.4	986621.6	1770	12.39	12.39
752189.4	986621.7	1780	12.79	12.79
752199.4	986621.8	1790	12.42	12.42
752209.4	986621.8	1800	12.51	12.51
752219.4	986621.8	1810	12.39	12.39
752229.4	986621.9	1820	12.51	12.51
752239.4	986621.9	1830	12.36	12.36
752249.4	986622	1840	12.39	12.39
752259.4	986622.1	1850	12.30	12.30
752269.4	986622.1	1860	12.15	12.15
752279.4	986622.1	1870	11.93	11.93
752289.4	986622.2	1880	12.05	12.05
752299.4	986622.3	1890	12.18	12.18
752309.4	986622.3	1900	12.63	12.63
752319.4	986622.4	1910	13.49	13.49
752329.4	986622.4	1920	13.64	13.64
752339.4	986622.4	1930	13.40	13.40
752349.4	986622.5	1940	13.31	13.31
752359.4	986622.6	1950	12.60	12.60
752369.4	986622.6	1960	11.78	11.78
752379.4	986622.7	1970	11.84	11.84
752389.4	986622.8	1980	11.99	11.99
752399.4	986622.8	1990	11.75	11.75
752409.4	986622.8	2000	11.63	11.63
752419.4	986622.9	2010	11.75	11.75
752429.4	986622.9	2020	11.96	11.96
752439.4	986623	2030	12.08	12.08
752449.4	986623.1	2040	12.51	12.51
752459.4	986623.1	2050	15.84	15.84
752469.4	986623.1	2060	11.60	11.60
752479.4	986623.2	2070	12.57	12.57
752489.4	986623.3	2080	13.15	13.15

Easting	Northing	Station	Conduct.	In-Phase
752499.4	986623.3	2090	12.30	12.30
752509.4	986623.4	2100	12.36	12.36
752519.4	986623.4	2110	12.30	12.30
752529.4	986623.4	2120	12.33	12.33
752539.4	986623.5	2130	12.57	12.57
752549.4	986623.6	2140	12.18	12.18
752559.4	986623.6	2150	12.97	12.97
752569.4	986623.7	2160	12.79	12.79
752579.4	986623.7	2170	12.70	12.70
752589.4	986623.8	2180	13.18	13.18
752599.4	986623.8	2190	13.15	13.15
752609.4	986623.9	2200	12.97	12.97
752619.4	986623.9	2210	13.09	13.09
752629.4	986624	2220	13.06	13.06
752639.4	986624.1	2230	13.03	13.03
752649.4	986624.1	2240	13.34	13.34
752659.4	986624.1	2250	12.82	12.82
752669.4	986624.2	2260	13.00	13.00
752679.4	986624.3	2270	12.76	12.76
752689.4	986624.3	2280	12.21	12.21
752699.4	986624.4	2290	12.05	12.05
752709.4	986624.4	2300	12.21	12.21
752719.4	986624.4	2310	11.44	11.44
752729.4	986624.5	2320	11.93	11.93
752739.4	986624.6	2330	11.96	11.96
752749.4	986624.6	2340	11.99	11.99
752759.4	986624.7	2350	12.85	12.85
752769.4	986624.7	2360	12.48	12.48
752779.4	986624.8	2370	12.91	12.91
752789.4	986624.8	2380	13.37	13.37
752799.4	986624.9	2390	12.91	12.91
752809.4	986624.9	2400	13.85	13.85
752819.4	986625	2410	13.82	13.82
752829.4	986625	2420	14.16	14.16
752839.4	986625.1	2430	14.65	14.65
752849.4	986625.1	2440	13.82	13.82
752859.4	986625.2	2450	13.85	13.85
752869.4	986625.3	2460	13.64	13.64
752879.4	986625.3	2470	14.13	14.13
752889.4	986625.3	2480	14.31	14.31
752899.4	986625.4	2490	13.79	13.79
752909.4	986625.4	2500	14.80	14.80
752919.4	986625.5	2510	14.19	14.19
752929.4	986625.6	2520	14.07	14.07
752939.4	986625.6	2530	14.53	14.53
752949.4	986625.6	2540	13.70	13.70
752959.4	986625.7	2550	13.82	13.82
752969.4	986625.8	2560	13.43	13.43
752979.4	986625.8	2570	13.31	13.31
752989.4	986625.9	2580	13.28	13.28
752999.4	986625.9	2590	13.18	13.18
753009.4	986625.9	2600	13.34	13.34
753019.4	986626	2610	13.55	13.55
753029.4	986626.1	2620	14.04	14.04
753039.4	986626.1	2630	13.89	13.89
753049.4	986626.2	2640	14.07	14.07
753059.4	986626.3	2650	14.07	14.07
753069.4	986626.3	2660	13.49	13.49
753079.4	986626.3	2670	13.58	13.58
753089.4	986626.4	2680	13.89	13.89
753099.4	986626.4	2690	14.19	14.19
753109.4	986626.5	2700	13.85	13.85
753119.4	986626.6	2710	14.10	14.10
753129.4	986626.6	2720	14.62	14.62
753139.4	986626.6	2730	13.92	13.92
753149.4	986626.7	2740	14.10	14.10
753159.4	986626.8	2750	13.82	13.82
753169.4	986626.8	2760	13.58	13.58
753179.4	986626.9	2770	13.61	13.61
753189.4	986626.9	2780	13.28	13.28
753199.4	986626.9	2790	13.52	13.52
753209.4	986627	2800	13.24	13.24
753219.4	986627.1	2810	13.46	13.46
753229.4	986627.1	2820	13.21	13.21
753239.4	986627.2	2830	13.58	13.58
753249.4	986627.3	2840	13.24	13.24
753259.4	986627.3	2850	13.12	13.12
753269.4	986627.3	2860	13.43	13.43
753279.4	986627.4	2870	13.34	13.34
753289.4	986627.4	2880	12.94	12.94
753299.4	986627.5	2890	13.46	13.46
753309.4	986627.6	2900	12.91	12.91
753319.4	986627.6	2910	13.28	13.28
753329.4	986627.6	2920	12.97	12.97
753339.4	986627.7	2930	12.79	12.79
753349.4	986627.8	2940	13.28	13.28
753359.4	986627.8	2950	13.00	13.00
753369.4	986627.9	2960	13.00	13.00
753379.4	986627.9	2970	13.12	13.12
753389.4	986627.9	2980	13.46	13.46
753399.4	986628	2990	13.98	13.98
753409.4	986628.1	3000	13.79	13.79
753419.4	986628.1	3010	5.95	5.95
753429.4	986628.2	3020	16.48	16.48
753439.4	986628.3	3030	19.29	19.29
753449.4	986628.3	3040	28.05	28.05
753459.4	986628.3	3050	48.55	48.55
753489.4	986628.5	3080	45.04	45.04
753499.4	986628.6	3090	26.73	26.73
753509.4	986628.6	3100	18.31	18.31
753519.4	986628.6	3110	15.96	15.96
753529.4	986628.7	3120	15.01	15.01

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
753539.4	986628.8	3130	14.31	14.31	754049.4	986631.4	3640	13.31	13.31
753549.4	986628.8	3140	13.00	13.00	754059.4	986631.4	3650	13.31	13.31
753559.4	986628.9	3150	14.01	14.01	754069.4	986631.5	3660	13.12	13.12
753569.4	986628.9	3160	14.16	14.16	754079.4	986631.6	3670	12.94	12.94
753579.4	986628.9	3170	14.13	14.13	754089.4	986631.6	3680	12.91	12.91
753589.4	986629	3180	14.59	14.59	754099.4	986631.7	3690	12.76	12.76
753599.4	986629.1	3190	11.26	11.26	754109.4	986631.8	3700	12.79	12.79
753609.4	986629.1	3200	13.58	13.58	754119.4	986631.8	3710	12.73	12.73
753619.4	986629.2	3210	13.43	13.43	754129.4	986631.8	3720	12.97	12.97
753629.4	986629.2	3220	13.43	13.43	754139.4	986631.9	3730	13.43	13.43
753639.4	986629.3	3230	13.43	13.43	754149.4	986631.9	3740	14.22	14.22
753649.4	986629.3	3240	13.37	13.37	754159.4	986632	3750	15.35	15.35
753659.4	986629.4	3250	13.70	13.70	LINE 15				
753669.4	986629.4	3260	13.34	13.34	751387.8	986567.5	980	13.64	13.64
753679.4	986629.5	3270	13.28	13.28	751397.8	986567.5	990	12.66	12.66
753689.4	986629.5	3280	13.15	13.15	751407.8	986567.6	1000	14.86	14.86
753699.4	986629.6	3290	12.91	12.91	751417.8	986567.6	1010	13.09	13.09
753709.4	986629.6	3300	13.00	13.00	751427.8	986567.7	1020	12.73	12.73
753719.4	986629.7	3310	12.79	12.79	751437.8	986567.8	1030	12.79	12.79
753729.4	986629.8	3320	12.73	12.73	751447.8	986567.8	1040	13.31	13.31
753739.4	986629.8	3330	12.94	12.94	751457.8	986567.8	1050	13.28	13.28
753749.4	986629.8	3340	12.88	12.88	751467.8	986567.9	1060	13.49	13.49
753759.4	986629.9	3350	12.94	12.94	751477.8	986567.9	1070	13.28	13.28
753769.4	986629.9	3360	13.24	13.24	751487.8	986568	1080	13.28	13.28
753779.4	986630	3370	13.06	13.06	751497.8	986568.1	1090	13.31	13.31
753789.4	986630.1	3380	13.28	13.28	751507.8	986568.1	1100	13.55	13.55
753799.4	986630.1	3390	13.55	13.55	751517.8	986568.2	1110	13.34	13.34
753809.4	986630.2	3400	13.28	13.28	751527.8	986568.2	1120	15.44	15.44
753819.4	986630.2	3410	13.64	13.64	751537.8	986568.3	1130	22.83	22.83
753829.4	986630.3	3420	13.40	13.40	751547.8	986568.3	1140	20.51	20.51
753839.4	986630.3	3430	13.64	13.64	751557.8	986568.4	1150	-29.02	29.02
753849.4	986630.4	3440	13.40	13.40	751567.8	986568.4	1160	28.47	28.47
753859.4	986630.4	3450	13.55	13.55	751577.8	986568.5	1170	1.95	1.95
753869.4	986630.5	3460	13.28	13.28	751587.8	986568.5	1180	18.86	18.86
753879.4	986630.5	3470	13.18	13.18	751597.8	986568.6	1190	18.95	18.95
753889.4	986630.6	3480	13.21	13.21	751607.8	986568.6	1200	15.84	15.84
753899.4	986630.6	3490	13.18	13.18	751617.8	986568.7	1210	14.62	14.62
753909.4	986630.7	3500	12.97	12.97	751627.8	986568.8	1220	15.01	15.01
753919.4	986630.8	3510	12.97	12.97	751637.8	986568.8	1230	13.49	13.49
753929.4	986630.8	3520	12.88	12.88	751647.8	986568.8	1240	13.03	13.03
753939.4	986630.8	3530	12.97	12.97	751657.8	986568.9	1250	13.03	13.03
753949.4	986630.9	3540	13.18	13.18	751667.8	986568.9	1260	20.02	20.02
753959.4	986630.9	3550	13.31	13.31	751677.8	986569	1270	16.91	16.91
753969.4	986631	3560	13.09	13.09	751687.8	986569.1	1280	16.42	16.42
753979.4	986631.1	3570	13.46	13.46	751697.8	986569.1	1290	18.01	18.01
753989.4	986631.1	3580	13.37	13.37	751707.8	986569.1	1300	14.31	14.31
753999.4	986631.1	3590	13.52	13.52	751717.8	986569.2	1310	19.20	19.20
754009.4	986631.2	3600	13.37	13.37	751727.8	986569.3	1320	13.67	13.67
754019.4	986631.3	3610	13.40	13.40	751737.8	986569.3	1330	15.99	15.99
754029.4	986631.3	3620	13.28	13.28	751747.8	986569.4	1340	15.35	15.35
754039.4	986631.4	3630	13.24	13.24	751757.8	986569.4	1350	16.36	16.36

Easting	Northing	Station	Conduct.	In-Phase
751757.8	986569.4	1350	15.90	15.90
751767.8	986569.4	1360	17.12	17.12
751767.8	986569.4	1360	17.58	17.58
751777.8	986569.5	1370	18.40	18.40
751777.8	986569.5	1370	18.01	18.01
751787.8	986569.6	1380	16.97	16.97
751787.8	986569.6	1380	15.90	15.90
751797.8	986569.6	1390	16.39	16.39
751797.8	986569.6	1390	15.81	15.81
751807.8	986569.7	1400	16.97	16.97
751807.8	986569.7	1400	16.30	16.30
751817.8	986569.8	1410	17.06	17.06
751827.8	986569.8	1420	17.18	17.18
751837.8	986569.8	1430	15.26	15.26
751847.8	986569.9	1440	14.25	14.25
751857.8	986569.9	1450	13.73	13.73
751867.8	986570	1460	14.25	14.25
751877.8	986570.1	1470	13.95	13.95
751887.8	986570.1	1480	13.92	13.92
751897.8	986570.1	1490	14.68	14.68
751907.8	986570.2	1500	13.46	13.46
751917.8	986570.3	1510	13.18	13.18
751927.8	986570.3	1520	12.63	12.63
751937.8	986570.4	1530	12.54	12.54
751947.8	986570.4	1540	12.57	12.57
751957.8	986570.4	1550	12.76	12.76
751967.8	986570.5	1560	12.15	12.15
751977.8	986570.6	1570	12.54	12.54
751987.8	986570.6	1580	12.73	12.73
751997.8	986570.7	1590	12.73	12.73
752007.8	986570.8	1600	12.82	12.82
752017.8	986570.8	1610	12.94	12.94
752027.8	986570.8	1620	12.85	12.85
752037.8	986570.9	1630	12.82	12.82
752047.8	986570.9	1640	12.94	12.94
752057.8	986571	1650	13.12	13.12
752067.8	986571.1	1660	12.91	12.91
752077.8	986571.1	1670	13.06	13.06
752087.8	986571.1	1680	12.91	12.91
752097.8	986571.2	1690	13.09	13.09
752107.8	986571.3	1700	12.51	12.51
752117.8	986571.3	1710	12.79	12.79
752127.8	986571.4	1720	12.27	12.27
752137.8	986571.4	1730	12.88	12.88
752147.8	986571.4	1740	12.79	12.79
752157.8	986571.5	1750	12.91	12.91
752167.8	986571.6	1760	12.82	12.82
752177.8	986571.6	1770	12.60	12.60
752187.8	986571.7	1780	12.82	12.82
752197.8	986571.7	1790	12.70	12.70
752207.8	986571.8	1800	12.57	12.57
752217.8	986571.8	1810	12.63	12.63
752227.8	986571.9	1820	12.45	12.45
752237.8	986571.9	1830	12.54	12.54
752247.8	986572	1840	12.36	12.36
752257.8	986572.1	1850	12.57	12.57
752267.8	986572.1	1860	12.24	12.24
752277.8	986572.1	1870	12.39	12.39
752287.8	986572.2	1880	13.06	13.06
752297.8	986572.3	1890	13.00	13.00
752307.8	986572.3	1900	13.12	13.12
752317.8	986572.4	1910	13.34	13.34
752327.8	986572.4	1920	13.09	13.09
752337.8	986572.4	1930	13.00	13.00
752347.8	986572.5	1940	13.31	13.31
752357.8	986572.6	1950	13.15	13.15
752367.8	986572.6	1960	13.09	13.09
752377.8	986572.7	1970	13.55	13.55
752387.8	986572.7	1980	13.24	13.24
752397.8	986572.8	1990	13.03	13.03
752407.8	986572.8	2000	12.70	12.70
752417.8	986572.9	2010	12.60	12.60
752427.8	986572.9	2020	12.85	12.85
752437.8	986573	2030	12.76	12.76
752447.8	986573	2040	13.18	13.18
752457.8	986573.1	2050	12.76	12.76
752467.8	986573.1	2060	12.79	12.79
752477.8	986573.2	2070	13.34	13.34
752487.8	986573.3	2080	13.31	13.31
752497.8	986573.3	2090	12.51	12.51
752507.8	986573.3	2100	12.82	12.82
752517.8	986573.4	2110	12.85	12.85
752527.8	986573.4	2120	12.85	12.85
752537.8	986573.5	2130	12.94	12.94
752547.8	986573.6	2140	12.85	12.85
752557.8	986573.6	2150	12.82	12.82
752567.8	986573.6	2160	12.79	12.79
752577.8	986573.7	2170	12.85	12.85
752587.8	986573.8	2180	12.85	12.85
752597.8	986573.8	2190	13.12	13.12
752607.8	986573.9	2200	13.06	13.06
752617.8	986573.9	2210	13.21	13.21
752627.8	986574	2220	13.49	13.49
752637.8	986574	2230	13.15	13.15
752647.8	986574.1	2240	13.76	13.76
752657.8	986574.1	2250	12.91	12.91
752667.8	986574.2	2260	13.21	13.21
752677.8	986574.3	2270	12.94	12.94
752687.8	986574.3	2280	12.73	12.73
752697.8	986574.3	2290	13.03	13.03
752707.8	986574.4	2300	12.51	12.51
752717.8	986574.4	2310	12.70	12.70

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752727.8	986574.5	2320	12.33	12.33	753237.8	986577.2	2830	13.76	13.76
752737.8	986574.6	2330	12.05	12.05	753247.8	986577.2	2840	13.76	13.76
752747.8	986574.6	2340	12.45	12.45	753257.8	986577.3	2850	13.12	13.12
752757.8	986574.6	2350	12.27	12.27	753267.8	986577.3	2860	13.49	13.49
752767.8	986574.7	2360	12.27	12.27	753277.8	986577.4	2870	13.67	13.67
752777.8	986574.8	2370	12.60	12.60	753287.8	986577.4	2880	13.49	13.49
752787.8	986574.8	2380	12.48	12.48	753297.8	986577.5	2890	13.15	13.15
752797.8	986574.9	2390	12.60	12.60	753307.8	986577.5	2900	13.82	13.82
752807.8	986574.9	2400	12.42	12.42	753317.8	986577.6	2910	13.37	13.37
752817.8	986574.9	2410	12.76	12.76	753327.8	986577.6	2920	13.12	13.12
752827.8	986575	2420	12.66	12.66	753337.8	986577.7	2930	13.46	13.46
752837.8	986575.1	2430	13.31	13.31	753347.8	986577.8	2940	13.31	13.31
752847.8	986575.1	2440	13.85	13.85	753357.8	986577.8	2950	13.79	13.79
752857.8	986575.2	2450	14.25	14.25	753367.8	986577.9	2960	13.34	13.34
752867.8	986575.3	2460	13.82	13.82	753377.8	986577.9	2970	13.34	13.34
752877.8	986575.3	2470	14.04	14.04	753387.8	986577.9	2980	14.28	14.28
752887.8	986575.3	2480	13.92	13.92	753397.8	986578	2990	13.52	13.52
752897.8	986575.4	2490	13.89	13.89	753407.8	986578.1	3000	13.43	13.43
752907.8	986575.4	2500	14.01	14.01	753417.8	986578.1	3010	13.79	13.79
752917.8	986575.5	2510	14.40	14.40	753427.8	986578.2	3020	13.09	13.09
752927.8	986575.6	2520	14.40	14.40	753437.8	986578.2	3030	15.20	15.20
752937.8	986575.6	2530	14.86	14.86	753447.8	986578.3	3040	15.81	15.81
752947.8	986575.6	2540	14.68	14.68	753457.8	986578.3	3050	18.40	18.40
752957.8	986575.7	2550	14.62	14.62	753467.8	986578.4	3060	26.46	26.46
752967.8	986575.8	2560	14.89	14.89	753477.8	986578.4	3070	285.13	85.13
752977.8	986575.8	2570	14.53	14.53	753497.8	986578.5	3090	24.38	24.38
752987.8	986575.9	2580	14.50	14.50	753507.8	986578.6	3100	17.85	17.85
752997.8	986575.9	2590	14.43	14.43	753517.8	986578.6	3110	15.14	15.14
753007.8	986575.9	2600	14.04	14.04	753527.8	986578.7	3120	14.34	14.34
753017.8	986576	2610	13.73	13.73	753537.8	986578.8	3130	14.56	14.56
753027.8	986576.1	2620	13.28	13.28	753547.8	986578.8	3140	13.92	13.92
753037.8	986576.1	2630	13.52	13.52	753557.8	986578.8	3150	13.49	13.49
753047.8	986576.2	2640	13.43	13.43	753567.8	986578.9	3160	13.43	13.43
753057.8	986576.3	2650	13.70	13.70	753577.8	986578.9	3170	13.76	13.76
753067.8	986576.3	2660	13.21	13.21	753587.8	986579	3180	13.43	13.43
753077.8	986576.3	2670	13.37	13.37	753597.8	986579.1	3190	13.40	13.40
753087.8	986576.4	2680	13.40	13.40	753607.8	986579.1	3200	13.06	13.06
753097.8	986576.4	2690	13.49	13.49	753617.8	986579.1	3210	13.58	13.58
753107.8	986576.5	2700	13.46	13.46	753627.8	986579.2	3220	13.85	13.85
753117.8	986576.6	2710	13.67	13.67	753637.8	986579.3	3230	13.58	13.58
753127.8	986576.6	2720	14.10	14.10	753647.8	986579.3	3240	13.58	13.58
753137.8	986576.6	2730	13.89	13.89	753657.8	986579.4	3250	13.24	13.24
753147.8	986576.7	2740	14.19	14.19	753667.8	986579.4	3260	13.40	13.40
753157.8	986576.8	2750	13.92	13.92	753677.8	986579.4	3270	13.15	13.15
753167.8	986576.8	2760	13.89	13.89	753687.8	986579.5	3280	13.37	13.37
753177.8	986576.9	2770	13.95	13.95	753697.8	986579.6	3290	12.97	12.97
753187.8	986576.9	2780	13.34	13.34	753707.8	986579.6	3300	13.21	13.21
753197.8	986576.9	2790	14.01	14.01	753717.8	986579.7	3310	13.31	13.31
753207.8	986577	2800	13.73	13.73	753727.8	986579.8	3320	12.91	12.91
753217.8	986577.1	2810	13.61	13.61	753737.8	986579.8	3330	13.18	13.18
753227.8	986577.1	2820	13.76	13.76	753747.8	986579.8	3340	13.61	13.61

Easting	Northing	Station	Conduct.	In-Phase
753757.8	986579.9	3350	13.82	13.82
753767.8	986579.9	3360	13.82	13.82
753777.8	986580	3370	13.79	13.79
753787.8	986580.1	3380	14.43	14.43
753797.8	986580.1	3390	14.01	14.01
753807.8	986580.1	3400	13.98	13.98
753817.8	986580.2	3410	14.13	14.13
753827.8	986580.3	3420	13.89	13.89
753837.8	986580.3	3430	13.67	13.67
753847.8	986580.4	3440	13.73	13.73
753857.8	986580.4	3450	13.67	13.67
753867.8	986580.4	3460	13.61	13.61
753877.8	986580.5	3470	13.43	13.43
753887.8	986580.6	3480	13.34	13.34
753897.8	986580.6	3490	13.37	13.37
753907.8	986580.7	3500	13.21	13.21
753917.8	986580.8	3510	13.37	13.37
753927.8	986580.8	3520	13.34	13.34
753937.8	986580.8	3530	12.85	12.85
753947.8	986580.9	3540	13.03	13.03
753957.8	986580.9	3550	12.70	12.70
753967.8	986581	3560	12.88	12.88
753977.8	986581.1	3570	12.91	12.91
753987.8	986581.1	3580	13.40	13.40
753997.8	986581.1	3590	13.46	13.46
754007.8	986581.2	3600	13.52	13.52
754017.8	986581.3	3610	13.43	13.43
754027.8	986581.3	3620	13.34	13.34
754037.8	986581.4	3630	13.43	13.43
754047.8	986581.4	3640	13.46	13.46
754057.8	986581.4	3650	13.46	13.46
754067.8	986581.5	3660	13.24	13.24
754077.8	986581.6	3670	13.15	13.15
754087.8	986581.6	3680	13.34	13.34
754097.8	986581.7	3690	13.09	13.09
754107.8	986581.8	3700	13.12	13.12
754117.8	986581.8	3710	13.15	13.15
754127.8	986581.8	3720	13.61	13.61
754137.8	986581.9	3730	14.10	14.10
754147.8	986581.9	3740	14.65	14.65
754157.8	986582	3750	15.35	15.35
754167.8	986582.1	3760	15.78	15.78
754177.8	986582.1	3770	15.05	15.05
LINE 16				
751373.1	986517.6	960	14.43	14.43
751383.1	986517.8	970	14.62	14.62
751393.1	986517.9	980	14.43	14.43
751403.1	986518	990	14.22	14.22
751413.1	986518.1	1000	14.43	14.43
751423.1	986518.2	1010	15.29	15.29
751433.1	986518.3	1020	2.75	2.75

Easting	Northing	Station	Conduct.	In-Phase
751443.1	986518.4	1030	13.73	13.73
751453.1	986518.6	1040	13.98	13.98
751463.1	986518.7	1050	14.25	14.25
751473.1	986518.8	1060	14.37	14.37
751483.1	986518.9	1070	14.34	14.34
751493.1	986519.1	1080	14.10	14.10
751503.1	986519.2	1090	14.83	14.83
751513.1	986519.3	1100	14.01	14.01
751523.1	986519.4	1110	14.71	14.71
751533.1	986519.6	1120	15.11	15.11
751543.1	986519.7	1130	14.71	14.71
751553.1	986519.8	1140	15.35	15.35
751563.1	986519.9	1150	15.08	15.08
751573.1	986520.1	1160	16.60	16.60
751583.1	986520.2	1170	22.77	22.77
751593.1	986520.3	1180	41.50	41.50
751603.1	986520.4	1190	-9.25	-9.25
751613.1	986520.6	1200	124.30	24.30
751623.1	986520.7	1210	198.24	98.24
751763.1	986522.4	1350	15.14	15.14
751773.1	986522.5	1360	15.23	15.23
751783.1	986522.6	1370	15.90	15.90
751793.1	986522.8	1380	17.36	17.36
751803.1	986522.9	1390	17.36	17.36
751813.1	986523	1400	16.60	16.60
751823.1	986523.1	1410	17.82	17.82
751833.1	986523.3	1420	15.99	15.99
751843.1	986523.4	1430	16.08	16.08
751853.1	986523.5	1440	14.10	14.10
751863.1	986523.6	1450	13.64	13.64
751873.1	986523.7	1460	13.28	13.28
751883.1	986523.8	1470	13.31	13.31
751893.1	986523.9	1480	13.61	13.61
751903.1	986524.1	1490	13.06	13.06
751913.1	986524.2	1500	13.18	13.18
751923.1	986524.3	1510	13.03	13.03
751933.1	986524.4	1520	12.57	12.57
751943.1	986524.6	1530	12.42	12.42
751953.1	986524.7	1540	12.57	12.57
751963.1	986524.8	1550	12.51	12.51
751973.1	986524.9	1560	12.54	12.54
751983.1	986525.1	1570	12.88	12.88
751993.1	986525.2	1580	12.85	12.85
752003.1	986525.3	1590	12.48	12.48
752013.1	986525.4	1600	12.97	12.97
752023.1	986525.6	1610	12.60	12.60
752033.1	986525.7	1620	12.88	12.88
752043.1	986525.8	1630	12.70	12.70
752053.1	986525.9	1640	12.82	12.82
752063.1	986526.1	1650	12.73	12.73
752073.1	986526.2	1660	12.76	12.76

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752083.1	986526.3	1670	13.06	13.06	752593.1	986532.5	2180	13.49	13.49
752093.1	986526.4	1680	12.82	12.82	752603.1	986532.6	2190	13.28	13.28
752103.1	986526.5	1690	12.63	12.63	752613.1	986532.8	2200	13.89	13.89
752113.1	986526.6	1700	12.94	12.94	752623.1	986532.9	2210	13.43	13.43
752123.1	986526.8	1710	12.82	12.82	752633.1	986533	2220	13.64	13.64
752133.1	986526.9	1720	12.79	12.79	752643.1	986533.1	2230	13.89	13.89
752143.1	986527	1730	12.66	12.66	752653.1	986533.3	2240	13.61	13.61
752153.1	986527.1	1740	12.57	12.57	752663.1	986533.4	2250	13.28	13.28
752163.1	986527.3	1750	12.51	12.51	752673.1	986533.5	2260	13.12	13.12
752173.1	986527.4	1760	12.76	12.76	752683.1	986533.6	2270	13.03	13.03
752183.1	986527.5	1770	12.39	12.39	752693.1	986533.8	2280	12.76	12.76
752193.1	986527.6	1780	12.60	12.60	752703.1	986533.9	2290	12.91	12.91
752203.1	986527.8	1790	12.76	12.76	752713.1	986534	2300	12.60	12.60
752213.1	986527.9	1800	12.54	12.54	752723.1	986534.1	2310	12.21	12.21
752223.1	986528	1810	12.42	12.42	752733.1	986534.3	2320	12.21	12.21
752233.1	986528.1	1820	12.24	12.24	752743.1	986534.3	2330	12.39	12.39
752243.1	986528.3	1830	12.18	12.18	752753.1	986534.4	2340	12.08	12.08
752253.1	986528.4	1840	12.36	12.36	752763.1	986534.6	2350	12.08	12.08
752263.1	986528.5	1850	12.15	12.15	752773.1	986534.7	2360	11.99	11.99
752273.1	986528.6	1860	12.42	12.42	752783.1	986534.8	2370	12.08	12.08
752283.1	986528.8	1870	12.79	12.79	752793.1	986534.9	2380	11.96	11.96
752293.1	986528.9	1880	12.88	12.88	752803.1	986535.1	2390	11.87	11.87
752303.1	986528.9	1890	13.21	13.21	752813.1	986535.2	2400	12.24	12.24
752313.1	986529.1	1900	13.00	13.00	752823.1	986535.3	2410	12.48	12.48
752323.1	986529.2	1910	13.18	13.18	752833.1	986535.4	2420	12.51	12.51
752333.1	986529.3	1920	13.24	13.24	752843.1	986535.6	2430	12.54	12.54
752343.1	986529.4	1930	13.09	13.09	752853.1	986535.7	2440	12.54	12.54
752353.1	986529.6	1940	12.70	12.70	752863.1	986535.8	2450	13.18	13.18
752363.1	986529.7	1950	12.54	12.54	752873.1	986535.9	2460	13.03	13.03
752373.1	986529.8	1960	12.60	12.60	752883.1	986536.1	2470	13.43	13.43
752383.1	986529.9	1970	12.27	12.27	752893.1	986536.2	2480	13.76	13.76
752393.1	986530.1	1980	13.09	13.09	752903.1	986536.3	2490	13.85	13.85
752403.1	986530.2	1990	13.70	13.70	752913.1	986536.4	2500	14.25	14.25
752413.1	986530.3	2000	13.37	13.37	752923.1	986536.6	2510	14.22	14.22
752423.1	986530.4	2010	13.95	13.95	752933.1	986536.7	2520	14.01	14.01
752433.1	986530.6	2020	13.70	13.70	752943.1	986536.8	2530	14.95	14.95
752443.1	986530.7	2030	14.16	14.16	752953.1	986536.9	2540	14.77	14.77
752453.1	986530.8	2040	13.76	13.76	752963.1	986537	2550	14.74	14.74
752463.1	986530.9	2050	13.67	13.67	752973.1	986537.1	2560	15.11	15.11
752473.1	986531.1	2060	13.58	13.58	752983.1	986537.3	2570	14.59	14.59
752483.1	986531.2	2070	14.19	14.19	752993.1	986537.4	2580	14.62	14.62
752493.1	986531.3	2080	13.28	13.28	753003.1	986537.5	2590	14.59	14.59
752503.1	986531.4	2090	13.12	13.12	753013.1	986537.6	2600	14.62	14.62
752513.1	986531.6	2100	13.34	13.34	753023	986537.8	2610	14.16	14.16
752523.1	986531.6	2110	13.24	13.24	753033	986537.9	2620	14.22	14.22
752533.1	986531.8	2120	13.31	13.31	753043	986538	2630	14.22	14.22
752543.1	986531.9	2130	13.49	13.49	753053	986538.1	2640	14.01	14.01
752553.1	986532	2140	13.15	13.15	753063	986538.3	2650	14.10	14.10
752563.1	986532.1	2150	13.43	13.43	753073	986538.4	2660	13.55	13.55
752573.1	986532.3	2160	9.46	9.46	753083	986538.5	2670	13.67	13.67
752583.1	986532.4	2170	10.35	10.35	753093	986538.6	2680	13.76	13.76

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
753103	986538.8	2690	14.28	14.28	753623	986545.1	3210	13.67	13.67
753113	986538.9	2700	13.98	13.98	753633	986545.2	3220	13.34	13.34
753123	986539	2710	14.13	14.13	753643	986545.3	3230	13.28	13.28
753133	986539.1	2720	13.92	13.92	753653	986545.4	3240	13.46	13.46
753143	986539.3	2730	14.07	14.07	753663	986545.6	3250	12.88	12.88
753153	986539.4	2740	14.34	14.34	753673	986545.7	3260	13.40	13.40
753163	986539.5	2750	14.50	14.50	753683	986545.8	3270	12.91	12.91
753173	986539.6	2760	14.53	14.53	753693	986545.9	3280	12.85	12.85
753183	986539.7	2770	14.07	14.07	753703	986546.1	3290	13.03	13.03
753193	986539.8	2780	14.16	14.16	753713	986546.2	3300	12.88	12.88
753203	986539.9	2790	13.67	13.67	753723	986546.3	3310	12.94	12.94
753213	986540.1	2800	14.01	14.01	753733	986546.4	3320	13.28	13.28
753223	986540.2	2810	14.01	14.01	753743	986546.6	3330	13.28	13.28
753233	986540.3	2820	14.16	14.16	753753	986546.7	3340	13.37	13.37
753243	986540.4	2830	13.98	13.98	753763	986546.8	3350	13.31	13.31
753253	986540.6	2840	14.16	14.16	753773	986546.9	3360	13.79	13.79
753263	986540.7	2850	13.82	13.82	753783	986547.1	3370	14.04	14.04
753273	986540.8	2860	14.10	14.10	753793	986547.2	3380	13.98	13.98
753283	986540.9	2870	14.07	14.07	753803	986547.3	3390	13.82	13.82
753293	986541.1	2880	13.58	13.58	753813	986547.4	3400	13.61	13.61
753303	986541.2	2890	13.61	13.61	753823	986547.6	3410	13.24	13.24
753313	986541.3	2900	13.95	13.95	753833	986547.7	3420	13.64	13.64
753323	986541.4	2910	13.58	13.58	753843	986547.8	3430	13.43	13.43
753333	986541.6	2920	13.55	13.55	753853	986547.9	3440	13.70	13.70
753343	986541.7	2930	13.61	13.61	753862.9	986548	3450	14.04	14.04
753353	986541.8	2940	13.40	13.40	753872.9	986548.1	3460	13.82	13.82
753363	986541.9	2950	13.70	13.70	753882.9	986548.3	3470	14.07	14.07
753373	986542.1	2960	13.73	13.73	753892.9	986548.4	3480	14.37	14.37
753383	986542.2	2970	13.55	13.55	753902.9	986548.5	3490	14.53	14.53
753393	986542.3	2980	13.73	13.73	753912.9	986548.6	3500	14.01	14.01
753403	986542.4	2990	14.04	14.04	753922.9	986548.8	3510	13.92	13.92
753413	986542.5	3000	13.92	13.92	753932.9	986548.9	3520	13.67	13.67
753423	986542.6	3010	13.92	13.92	753942.9	986549	3530	13.55	13.55
753433	986542.8	3020	15.38	15.38	753952.9	986549.1	3540	13.12	13.12
753443	986542.9	3030	16.02	16.02	753962.9	986549.3	3550	12.94	12.94
753453	986543	3040	16.17	16.17	753972.9	986549.4	3560	12.97	12.97
753463	986543.1	3050	23.04	23.04	753982.9	986549.5	3570	13.03	13.03
753473	986543.3	3060	48.71	48.71	753992.9	986549.6	3580	12.91	12.91
753483	986543.4	3070	272.31	72.31	754002.9	986549.8	3590	12.82	12.82
753503	986543.6	3090	36.83	36.83	754012.9	986549.9	3600	13.06	13.06
753513	986543.8	3100	23.38	23.38	754022.9	986550	3610	13.34	13.34
753523	986543.9	3110	17.67	17.67	754032.9	986550.1	3620	13.31	13.31
753533	986544	3120	15.75	15.75	754042.9	986550.3	3630	13.40	13.40
753543	986544.1	3130	13.09	13.09	754052.9	986550.4	3640	13.34	13.34
753553	986544.3	3140	13.40	13.40	754062.9	986550.5	3650	13.21	13.21
753563	986544.4	3150	14.65	14.65	754072.9	986550.6	3660	13.43	13.43
753573	986544.5	3160	12.48	12.48	754082.9	986550.7	3670	13.49	13.49
753583	986544.6	3170	14.07	14.07	754092.9	986550.8	3680	13.31	13.31
753593	986544.8	3180	13.61	13.61	754102.9	986550.9	3690	13.12	13.12
753603	986544.9	3190	13.58	13.58	754112.9	986551.1	3700	13.06	13.06
753613	986545	3200	13.34	13.34	754122.9	986551.2	3710	13.12	13.12

Easting	Northing	Station	Conduct.	In-Phase
754132.9	986551.3	3720	12.91	12.91
754142.9	986551.4	3730	13.03	13.03
754152.9	986551.6	3740	13.06	13.06
754162.9	986551.7	3750	13.31	13.31
754172.9	986551.8	3760	14.13	14.13
754182.9	986551.9	3770	15.08	15.08
LINE 17				
751361.9	986467.4	950	14.31	14.31
751371.9	986467.6	960	14.13	14.13
751381.9	986467.7	970	14.34	14.34
751391.9	986467.8	980	14.25	14.25
751401.9	986467.9	990	14.50	14.50
751411.9	986468.1	1000	14.53	14.53
751421.9	986468.2	1010	14.50	14.50
751431.9	986468.3	1020	14.37	14.37
751441.9	986468.4	1030	16.85	16.85
751451.9	986468.6	1040	14.25	14.25
751461.9	986468.7	1050	15.35	15.35
751471.9	986468.8	1060	15.56	15.56
751481.9	986468.9	1070	16.20	16.20
751491.9	986469.1	1080	16.91	16.91
751501.9	986469.2	1090	16.78	16.78
751511.9	986469.3	1100	16.57	16.57
751521.9	986469.4	1110	17.12	17.12
751531.9	986469.6	1120	18.46	18.46
751541.9	986469.7	1130	19.59	19.59
751551.9	986469.8	1140	18.37	18.37
751561.9	986469.9	1150	19.23	19.23
751571.9	986470	1160	19.96	19.96
751581.9	986470.1	1170	22.03	22.03
751591.9	986470.3	1180	27.92	27.92
751601.9	986470.4	1190	76.32	76.32
751611.9	986470.5	1200	%-138.52	138.52
751621.9	986470.6	1210	131.74	31.74
751631.9	986470.8	1220	114.59	14.59
751641.9	986470.9	1230	-68.70	68.70
751651.8	986471	1240	86.88	86.88
751661.9	986471.1	1250	-0.98	-0.98
751761.8	986472.4	1350	14.71	14.71
751771.8	986472.5	1360	14.83	14.83
751781.8	986472.6	1370	15.05	15.05
751791.8	986472.7	1380	15.26	15.26
751801.8	986472.8	1390	16.57	16.57
751811.8	986472.9	1400	17.12	17.12
751821.8	986473.1	1410	17.00	17.00
751831.8	986473.2	1420	16.36	16.36
751841.8	986473.3	1430	16.05	16.05
751851.8	986473.4	1440	16.51	16.51
751861.8	986473.6	1450	14.65	14.65
751871.8	986473.7	1460	13.55	13.55
751881.8	986473.8	1470	15.62	15.62

Easting	Northing	Station	Conduct.	In-Phase
751891.8	986473.9	1480	12.18	12.18
751901.8	986474.1	1490	11.90	11.90
751911.8	986474.2	1500	12.82	12.82
751921.8	986474.3	1510	13.12	13.12
751931.8	986474.4	1520	14.37	14.37
751941.8	986474.6	1530	16.78	16.78
751951.8	986474.7	1540	14.22	14.22
751961.8	986474.8	1550	3.57	3.57
751971.8	986474.9	1560	11.20	11.20
751981.8	986475.1	1570	16.75	16.75
751991.8	986475.2	1580	14.22	14.22
752001.8	986475.3	1590	13.70	13.70
752011.8	986475.4	1600	13.37	13.37
752021.8	986475.5	1610	13.15	13.15
752031.8	986475.6	1620	13.15	13.15
752041.8	986475.8	1630	12.97	12.97
752051.8	986475.9	1640	13.24	13.24
752061.8	986476	1650	13.09	13.09
752071.8	986476.1	1660	12.94	12.94
752081.8	986476.3	1670	12.76	12.76
752091.8	986476.4	1680	12.91	12.91
752101.8	986476.5	1690	12.42	12.42
752111.8	986476.6	1700	12.51	12.51
752121.8	986476.8	1710	12.45	12.45
752131.8	986476.9	1720	12.27	12.27
752141.8	986477	1730	12.54	12.54
752151.8	986477.1	1740	12.15	12.15
752161.8	986477.3	1750	12.33	12.33
752171.8	986477.4	1760	12.21	12.21
752181.8	986477.5	1770	12.45	12.45
752191.8	986477.6	1780	12.33	12.33
752201.8	986477.8	1790	12.57	12.57
752211.8	986477.9	1800	13.12	13.12
752221.8	986478	1810	12.88	12.88
752231.8	986478.1	1820	13.00	13.00
752241.8	986478.2	1830	13.09	13.09
752251.8	986478.3	1840	12.66	12.66
752261.8	986478.4	1850	12.88	12.88
752271.8	986478.6	1860	12.85	12.85
752281.8	986478.7	1870	12.79	12.79
752291.8	986478.8	1880	12.21	12.21
752301.8	986478.9	1890	12.70	12.70
752311.8	986479.1	1900	12.88	12.88
752321.8	986479.2	1910	12.94	12.94
752331.8	986479.3	1920	13.12	13.12
752341.8	986479.4	1930	13.21	13.21
752351.8	986479.6	1940	13.00	13.00
752361.8	986479.7	1950	13.12	13.12
752371.8	986479.8	1960	13.12	13.12
752381.8	986479.9	1970	13.31	13.31
752391.8	986480.1	1980	13.21	13.21

Easting	Northing	Station	Conduct.	In-Phase
752401.8	986480.2	1990	13.31	13.31
752411.8	986480.3	2000	13.79	13.79
752421.8	986480.4	2010	13.40	13.40
752431.8	986480.6	2020	13.64	13.64
752441.8	986480.7	2030	13.76	13.76
752451.8	986480.8	2040	13.46	13.46
752461.8	986480.9	2050	14.04	14.04
752471.8	986481	2060	14.43	14.43
752481.8	986481.1	2070	14.95	14.95
752491.8	986481.3	2080	14.68	14.68
752501.8	986481.4	2090	14.34	14.34
752511.8	986481.5	2100	14.16	14.16
752521.8	986481.6	2110	14.43	14.43
752531.8	986481.8	2120	14.59	14.59
752541.8	986481.9	2130	14.65	14.65
752551.8	986482	2140	14.71	14.71
752561.8	986482.1	2150	14.40	14.40
752571.8	986482.3	2160	14.19	14.19
752581.8	986482.4	2170	14.53	14.53
752591.8	986482.5	2180	14.68	14.68
752601.8	986482.6	2190	12.88	12.88
752611.8	986482.8	2200	14.04	14.04
752621.8	986482.9	2210	13.82	13.82
752631.8	986483	2220	13.58	13.58
752641.8	986483.1	2230	13.37	13.37
752651.8	986483.3	2240	13.37	13.37
752661.8	986483.4	2250	13.00	13.00
752671.8	986483.4	2260	13.55	13.55
752681.8	986483.6	2270	12.73	12.73
752691.8	986483.7	2280	13.15	13.15
752701.8	986483.8	2290	12.82	12.82
752711.8	986483.9	2300	12.76	12.76
752721.8	986484.1	2310	12.91	12.91
752731.8	986484.2	2320	12.70	12.70
752741.8	986484.3	2330	12.66	12.66
752751.8	986484.4	2340	12.85	12.85
752761.8	986484.6	2350	12.66	12.66
752771.8	986484.7	2360	12.94	12.94
752781.8	986484.8	2370	12.82	12.82
752791.8	986484.9	2380	12.73	12.73
752801.8	986485.1	2390	13.34	13.34
752811.8	986485.2	2400	12.79	12.79
752821.8	986485.3	2410	13.12	13.12
752831.8	986485.4	2420	13.15	13.15
752841.8	986485.6	2430	13.55	13.55
752851.8	986485.7	2440	13.09	13.09
752861.8	986485.8	2450	13.40	13.40
752871.8	986485.9	2460	13.40	13.40
752881.8	986486.1	2470	13.58	13.58
752891.8	986486.1	2480	13.79	13.79
752901.8	986486.3	2490	14.10	14.10
752911.8	986486.4	2500	14.16	14.16
752921.8	986486.5	2510	14.86	14.86
752931.8	986486.6	2520	14.50	14.50
752941.8	986486.8	2530	15.01	15.01
752951.8	986486.9	2540	14.56	14.56
752961.8	986487	2550	15.41	15.41
752971.8	986487.1	2560	15.11	15.11
752981.8	986487.3	2570	14.77	14.77
752991.8	986487.4	2580	14.74	14.74
753001.8	986487.5	2590	14.71	14.71
753011.8	986487.6	2600	14.56	14.56
753021.8	986487.8	2610	14.89	14.89
753031.8	986487.9	2620	14.86	14.86
753041.8	986488	2630	14.28	14.28
753051.8	986488.1	2640	14.71	14.71
753061.8	986488.3	2650	14.56	14.56
753071.8	986488.4	2660	14.37	14.37
753081.8	986488.5	2670	14.34	14.34
753091.8	986488.6	2680	13.58	13.58
753101.8	986488.8	2690	14.19	14.19
753111.8	986488.8	2700	14.01	14.01
753121.8	986488.9	2710	14.19	14.19
753131.8	986489.1	2720	13.64	13.64
753141.8	986489.2	2730	13.92	13.92
753151.8	986489.3	2740	13.73	13.73
753161.8	986489.4	2750	13.46	13.46
753171.8	986489.6	2760	13.95	13.95
753181.8	986489.7	2770	14.13	14.13
753191.8	986489.8	2780	14.50	14.50
753201.8	986489.9	2790	14.28	14.28
753211.8	986490.1	2800	14.10	14.10
753221.8	986490.2	2810	14.01	14.01
753231.8	986490.3	2820	13.95	13.95
753241.8	986490.4	2830	13.73	13.73
753251.8	986490.6	2840	13.37	13.37
753261.8	986490.7	2850	13.82	13.82
753271.8	986490.8	2860	13.61	13.61
753281.8	986490.9	2870	13.82	13.82
753291.8	986491.1	2880	13.31	13.31
753301.8	986491.2	2890	13.28	13.28
753311.8	986491.3	2900	13.34	13.34
753321.8	986491.4	2910	13.24	13.24
753331.8	986491.5	2920	13.06	13.06
753341.7	986491.6	2930	13.06	13.06
753351.7	986491.8	2940	12.88	12.88
753361.7	986491.9	2950	13.49	13.49
753371.7	986492	2960	13.85	13.85
753381.7	986492.1	2970	13.15	13.15
753391.7	986492.3	2980	13.70	13.70
753401.7	986492.4	2990	13.92	13.92
753411.7	986492.5	3000	14.13	14.13

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
753421.7	986492.6	3010	16.27	16.27	753931.7	986498.9	3520	14.77	14.77
753431.7	986492.8	3020	6.26	6.26	753941.7	986499	3530	14.89	14.89
753441.7	986492.9	3030	17.73	17.73	753951.7	986499.1	3540	14.40	14.40
753451.7	986493	3040	15.59	15.59	753961.7	986499.3	3550	14.34	14.34
753461.7	986493.1	3050	16.54	16.54	753971.7	986499.4	3560	14.31	14.31
753471.7	986493.3	3060	20.57	20.57	753981.7	986499.5	3570	13.95	13.95
753481.7	986493.4	3070	159.97	59.97	753991.7	986499.6	3580	13.64	13.64
753491.7	986493.5	3080	302.28	2.28	754001.7	986499.7	3590	13.70	13.70
753501.7	986493.6	3090	23.71	23.71	754011.7	986499.8	3600	13.73	13.73
753511.7	986493.8	3100	17.73	17.73	754021.7	986499.9	3610	13.58	13.58
753521.7	986493.9	3110	14.47	14.47	754031.7	986500.1	3620	13.64	13.64
753531.7	986494	3120	13.49	13.49	754041.7	986500.2	3630	13.52	13.52
753541.7	986494.1	3130	14.86	14.86	754051.7	986500.3	3640	13.34	13.34
753551.7	986494.3	3140	14.25	14.25	754061.7	986500.4	3650	13.28	13.28
753561.7	986494.3	3150	14.04	14.04	754071.7	986500.6	3660	13.40	13.40
753571.7	986494.4	3160	14.04	14.04	754081.7	986500.7	3670	13.21	13.21
753581.7	986494.6	3170	13.67	13.67	754091.7	986500.8	3680	13.21	13.21
753591.7	986494.7	3180	13.67	13.67	754101.7	986500.9	3690	13.43	13.43
753601.7	986494.8	3190	13.73	13.73	754111.7	986501.1	3700	13.40	13.40
753611.7	986494.9	3200	13.52	13.52	754121.7	986501.2	3710	13.79	13.79
753621.7	986495.1	3210	13.52	13.52	754131.7	986501.3	3720	13.70	13.70
753631.7	986495.2	3220	13.64	13.64	754141.7	986501.4	3730	13.64	13.64
753641.7	986495.3	3230	13.58	13.58	754151.7	986501.6	3740	13.70	13.70
753651.7	986495.4	3240	13.31	13.31	754161.7	986501.7	3750	13.79	13.79
753661.7	986495.6	3250	13.28	13.28	754171.6	986501.8	3760	14.10	14.10
753671.7	986495.7	3260	13.03	13.03	754181.6	986501.9	3770	15.38	15.38
753681.7	986495.8	3270	13.06	13.06	754191.6	986502.1	3780	14.92	14.92
753691.7	986495.9	3280	12.66	12.66	LINE 18				
753701.7	986496.1	3290	12.91	12.91	751360.6	986417.4	950	13.61	13.61
753711.7	986496.2	3300	12.94	12.94	751370.6	986417.6	960	13.46	13.46
753721.7	986496.3	3310	13.00	13.00	751380.6	986417.7	970	13.67	13.67
753731.7	986496.4	3320	13.34	13.34	751390.6	986417.8	980	13.95	13.95
753741.7	986496.6	3330	13.37	13.37	751400.6	986417.9	990	13.79	13.79
753751.7	986496.7	3340	14.16	14.16	751410.6	986418.1	1000	15.78	15.78
753761.7	986496.8	3350	13.98	13.98	751420.6	986418.2	1010	15.01	15.01
753771.7	986496.9	3360	14.07	14.07	751430.6	986418.3	1020	14.74	14.74
753781.7	986497	3370	14.07	14.07	751440.6	986418.4	1030	14.89	14.89
753791.7	986497.1	3380	13.95	13.95	751450.6	986418.6	1040	15.96	15.96
753801.7	986497.3	3390	14.34	14.34	751460.6	986418.7	1050	20.11	20.11
753811.7	986497.4	3400	14.40	14.40	751470.6	986418.8	1060	20.90	20.90
753821.7	986497.5	3410	14.40	14.40	751480.6	986418.9	1070	29.60	29.60
753831.7	986497.6	3420	14.37	14.37	751490.6	986419.1	1080	1.83	1.83
753841.7	986497.8	3430	14.19	14.19	751500.6	986419.1	1090	35.80	35.80
753851.7	986497.9	3440	14.53	14.53	751510.6	986419.3	1100	51.03	51.03
753861.7	986498	3450	14.92	14.92	751520.6	986419.4	1110	43.88	43.88
753871.7	986498.1	3460	14.80	14.80	751530.6	986419.5	1120	39.70	39.70
753881.7	986498.3	3470	14.56	14.56	751540.6	986419.6	1130	38.60	38.60
753891.7	986498.4	3480	14.71	14.71	751550.6	986419.8	1140	39.22	39.22
753901.7	986498.5	3490	14.83	14.83	751560.6	986419.9	1150	37.99	37.99
753911.7	986498.6	3500	14.86	14.86	751760.6	986422.3	1350	15.08	15.08
753921.7	986498.8	3510	14.80	14.80	751770.6	986422.4	1360	14.71	14.71

Easting	Northing	Station	Conduct.	In-Phase
751780.6	986422.6	1370	15.01	15.01
751790.6	986422.7	1380	16.08	16.08
751800.6	986422.8	1390	15.59	15.59
751810.6	986422.9	1400	17.70	17.70
751820.6	986423.1	1410	16.94	16.94
751830.6	986423.2	1420	16.97	16.97
751840.6	986423.3	1430	17.64	17.64
751850.6	986423.4	1440	17.15	17.15
751860.6	986423.6	1450	15.90	15.90
751870.6	986423.7	1460	14.92	14.92
751880.6	986423.8	1470	14.04	14.04
751890.6	986423.9	1480	14.59	14.59
751900.6	986424.1	1490	13.58	13.58
751910.6	986424.2	1500	13.21	13.21
751920.6	986424.3	1510	12.85	12.85
751930.6	986424.4	1520	13.18	13.18
751940.6	986424.5	1530	12.94	12.94
751950.6	986424.6	1540	13.37	13.37
751960.6	986424.8	1550	13.49	13.49
751970.5	986424.9	1560	14.31	14.31
751980.5	986425	1570	16.39	16.39
751990.5	986425.1	1580	14.89	14.89
752000.5	986425.3	1590	-5.68	-5.68
752010.5	986425.4	1600	12.66	12.66
752020.5	986425.5	1610	26.28	26.28
752030.5	986425.6	1620	15.90	15.90
752040.5	986425.8	1630	14.10	14.10
752050.5	986425.9	1640	13.03	13.03
752060.5	986426	1650	12.85	12.85
752070.5	986426.1	1660	13.00	13.00
752080.5	986426.3	1670	12.42	12.42
752090.5	986426.4	1680	12.91	12.91
752100.5	986426.5	1690	12.54	12.54
752110.5	986426.6	1700	12.66	12.66
752120.5	986426.8	1710	12.12	12.12
752130.5	986426.9	1720	13.06	13.06
752140.5	986427	1730	12.45	12.45
752150.5	986427.1	1740	12.66	12.66
752160.5	986427.2	1750	12.63	12.63
752170.5	986427.3	1760	13.09	13.09
752180.5	986427.4	1770	12.94	12.94
752190.5	986427.6	1780	13.24	13.24
752200.5	986427.7	1790	13.09	13.09
752210.5	986427.8	1800	12.88	12.88
752220.5	986427.9	1810	12.60	12.60
752230.5	986428.1	1820	12.88	12.88
752240.5	986428.2	1830	13.34	13.34
752250.5	986428.3	1840	12.63	12.63
752260.5	986428.4	1850	12.97	12.97
752270.5	986428.6	1860	12.97	12.97
752280.5	986428.7	1870	12.60	12.60
752290.5	986428.8	1880	12.36	12.36
752300.5	986428.9	1890	12.39	12.39
752310.5	986429.1	1900	13.28	13.28
752320.5	986429.2	1910	12.39	12.39
752330.5	986429.3	1920	13.73	13.73
752340.5	986429.4	1930	14.34	14.34
752350.5	986429.6	1940	14.25	14.25
752360.5	986429.7	1950	14.19	14.19
752370.5	986429.8	1960	14.50	14.50
752380.5	986429.9	1970	13.98	13.98
752390.5	986430	1980	14.28	14.28
752400.5	986430.1	1990	13.67	13.67
752410.5	986430.3	2000	14.25	14.25
752420.5	986430.4	2010	14.04	14.04
752430.5	986430.5	2020	13.82	13.82
752440.5	986430.6	2030	13.95	13.95
752450.5	986430.8	2040	13.73	13.73
752460.5	986430.9	2050	14.40	14.40
752470.5	986431	2060	14.16	14.16
752480.5	986431.1	2070	14.01	14.01
752490.5	986431.3	2080	14.01	14.01
752500.5	986431.4	2090	10.41	10.41
752510.5	986431.5	2100	13.24	13.24
752520.5	986431.6	2110	14.74	14.74
752530.5	986431.8	2120	13.92	13.92
752540.5	986431.9	2130	13.89	13.89
752550.5	986432	2140	13.85	13.85
752560.5	986432.1	2150	13.64	13.64
752570.5	986432.3	2160	13.67	13.67
752580.5	986432.4	2170	13.55	13.55
752590.5	986432.5	2180	13.70	13.70
752600.5	986432.6	2190	13.28	13.28
752610.5	986432.7	2200	13.46	13.46
752620.5	986432.8	2210	13.24	13.24
752630.5	986432.9	2220	13.06	13.06
752640.5	986433.1	2230	12.76	12.76
752650.5	986433.2	2240	12.57	12.57
752660.5	986433.3	2250	12.91	12.91
752670.5	986433.4	2260	12.73	12.73
752680.5	986433.6	2270	12.63	12.63
752690.5	986433.7	2280	12.08	12.08
752700.5	986433.8	2290	12.15	12.15
752710.5	986433.9	2300	12.24	12.24
752720.5	986434.1	2310	12.88	12.88
752730.5	986434.2	2320	12.76	12.76
752740.5	986434.3	2330	12.51	12.51
752750.5	986434.4	2340	13.18	13.18
752760.5	986434.6	2350	13.12	13.12
752770.5	986434.7	2360	13.55	13.55
752780.5	986434.8	2370	13.76	13.76
752790.5	986434.9	2380	13.79	13.79

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752800.5	986435.1	2390	13.55	13.55	753310.4	986441.3	2900	13.55	13.55
752810.4	986435.2	2400	13.64	13.64	753320.4	986441.4	2910	13.06	13.06
752820.4	986435.3	2410	13.73	13.73	753330.4	986441.5	2920	13.70	13.70
752830.4	986435.4	2420	13.73	13.73	753340.4	986441.6	2930	13.64	13.64
752840.4	986435.5	2430	13.67	13.67	753350.4	986441.8	2940	13.24	13.24
752850.4	986435.6	2440	13.70	13.70	753360.4	986441.9	2950	13.06	13.06
752860.4	986435.8	2450	14.13	14.13	753370.4	986442	2960	13.15	13.15
752870.4	986435.9	2460	13.82	13.82	753380.4	986442.1	2970	13.58	13.58
752880.4	986436	2470	14.22	14.22	753390.4	986442.3	2980	13.79	13.79
752890.4	986436.1	2480	14.50	14.50	753400.4	986442.4	2990	12.05	12.05
752900.4	986436.3	2490	14.22	14.22	753410.4	986442.5	3000	7.75	7.75
752910.4	986436.4	2500	14.50	14.50	753420.4	986442.6	3010	16.27	16.27
752920.4	986436.5	2510	14.16	14.16	753430.4	986442.8	3020	13.15	13.15
752930.4	986436.6	2520	14.43	14.43	753440.4	986442.9	3030	15.93	15.93
752940.4	986436.8	2530	14.65	14.65	753450.4	986443	3040	18.37	18.37
752950.4	986436.9	2540	14.07	14.07	753460.4	986443.1	3050	22.61	22.61
752960.4	986437	2550	14.28	14.28	753470.4	986443.3	3060	85.02	85.02
752970.4	986437.1	2560	14.74	14.74	753480.4	986443.4	3070	219.48	19.48
752980.4	986437.3	2570	14.83	14.83	753490.4	986443.4	3080	302.98	2.98
752990.4	986437.4	2580	14.53	14.53	753500.4	986443.6	3090	196.50	96.50
753000.4	986437.5	2590	14.59	14.59	753510.4	986443.7	3100	18.55	18.55
753010.4	986437.6	2600	13.89	13.89	753520.4	986443.8	3110	21.09	21.09
753020.4	986437.8	2610	14.80	14.80	753530.4	986443.9	3120	16.45	16.45
753030.4	986437.9	2620	14.83	14.83	753540.4	986444.1	3130	13.82	13.82
753040.4	986437.9	2630	14.83	14.83	753550.4	986444.2	3140	14.25	14.25
753050.4	986438.1	2640	15.29	15.29	753560.4	986444.3	3150	12.85	12.85
753060.4	986438.2	2650	14.65	14.65	753570.4	986444.4	3160	12.42	12.42
753070.4	986438.3	2660	14.65	14.65	753580.4	986444.6	3170	13.79	13.79
753080.4	986438.4	2670	15.17	15.17	753590.4	986444.7	3180	13.21	13.21
753090.4	986438.6	2680	14.95	14.95	753600.4	986444.8	3190	13.18	13.18
753100.4	986438.7	2690	14.01	14.01	753610.4	986444.9	3200	12.94	12.94
753110.4	986438.8	2700	14.43	14.43	753620.4	986445.1	3210	13.24	13.24
753120.4	986438.9	2710	14.28	14.28	753630.4	986445.2	3220	12.85	12.85
753130.4	986439.1	2720	14.07	14.07	753640.4	986445.3	3230	12.82	12.82
753140.4	986439.2	2730	13.67	13.67	753650.4	986445.4	3240	12.76	12.76
753150.4	986439.3	2740	14.16	14.16	753660.4	986445.6	3250	13.03	13.03
753160.4	986439.4	2750	14.01	14.01	753670.4	986445.7	3260	12.82	12.82
753170.4	986439.6	2760	13.89	13.89	753680.4	986445.8	3270	12.85	12.85
753180.4	986439.7	2770	14.25	14.25	753690.4	986445.9	3280	13.03	13.03
753190.4	986439.8	2780	14.13	14.13	753700.4	986446.1	3290	13.00	13.00
753200.4	986439.9	2790	14.47	14.47	753710.4	986446.1	3300	13.09	13.09
753210.4	986440.1	2800	14.04	14.04	753720.4	986446.3	3310	13.67	13.67
753220.4	986440.2	2810	13.95	13.95	753730.4	986446.4	3320	13.70	13.70
753230.4	986440.3	2820	14.10	14.10	753740.4	986446.5	3330	14.04	14.04
753240.4	986440.4	2830	13.70	13.70	753750.4	986446.6	3340	14.53	14.53
753250.4	986440.6	2840	14.01	14.01	753760.4	986446.8	3350	14.71	14.71
753260.4	986440.7	2850	13.73	13.73	753770.4	986446.9	3360	14.43	14.43
753270.4	986440.8	2860	13.95	13.95	753780.4	986447	3370	14.77	14.77
753280.4	986440.9	2870	13.43	13.43	753790.4	986447.1	3380	15.08	15.08
753290.4	986441	2880	13.64	13.64	753800.4	986447.3	3390	15.14	15.14
753300.4	986441.1	2890	13.95	13.95	753810.4	986447.4	3400	14.95	14.95

Easting	Northing	Station	Conduct.	In-Phase
753820.4	986447.5	3410	15.26	15.26
753830.4	986447.6	3420	15.29	15.29
753840.4	986447.8	3430	15.53	15.53
753850.4	986447.9	3440	15.35	15.35
753860.4	986448	3450	15.29	15.29
753870.4	986448.1	3460	15.44	15.44
753880.4	986448.3	3470	15.38	15.38
753890.4	986448.4	3480	15.44	15.44
753900.4	986448.5	3490	15.38	15.38
753910.4	986448.6	3500	15.56	15.56
753920.4	986448.8	3510	15.29	15.29
753930.4	986448.8	3520	15.72	15.72
753940.4	986448.9	3530	15.78	15.78
753950.4	986449.1	3540	15.93	15.93
753960.4	986449.2	3550	15.62	15.62
753970.4	986449.3	3560	15.08	15.08
753980.4	986449.4	3570	15.29	15.29
753990.4	986449.6	3580	14.89	14.89
754000.4	986449.7	3590	14.62	14.62
754010.4	986449.8	3600	14.40	14.40
754020.4	986449.9	3610	14.19	14.19
754030.4	986450.1	3620	14.25	14.25
754040.4	986450.2	3630	14.19	14.19
754050.4	986450.3	3640	13.73	13.73
754060.4	986450.4	3650	13.64	13.64
754070.4	986450.6	3660	13.55	13.55
754080.4	986450.7	3670	13.55	13.55
754090.4	986450.8	3680	13.28	13.28
754100.4	986450.9	3690	13.61	13.61
754110.4	986451.1	3700	13.55	13.55
754120.4	986451.2	3710	13.52	13.52
754130.4	986451.3	3720	13.79	13.79
754140.4	986451.4	3730	13.82	13.82
754150.4	986451.5	3740	13.98	13.98
754160.4	986451.6	3750	14.34	14.34
754170.4	986451.8	3760	0.00	0.00
LINE 19				
751349.3	986367.3	940	12.82	12.82
751359.3	986367.4	950	13.24	13.24
751369.3	986367.6	960	13.21	13.21
751379.3	986367.7	970	14.53	14.53
751389.3	986367.8	980	14.56	14.56
751399.3	986367.9	990	14.71	14.71
751409.3	986368.1	1000	14.37	14.37
751419.3	986368.2	1010	14.43	14.43
751429.3	986368.3	1020	15.26	15.26
751439.3	986368.4	1030	16.48	16.48
751449.3	986368.5	1040	18.59	18.59
751459.3	986368.6	1050	28.53	28.53
751469.3	986368.8	1060	34.24	34.24
751479.3	986368.9	1070	-7.93	-7.93

Easting	Northing	Station	Conduct.	In-Phase
751489.3	986369	1080	54.08	54.08
751499.3	986369.1	1090	45.78	45.78
751509.3	986369.3	1100	34.52	34.52
751519.3	986369.4	1110	31.46	31.46
751529.3	986369.5	1120	27.34	27.34
751539.3	986369.6	1130	27.34	27.34
751549.3	986369.8	1140	25.45	25.45
751559.3	986369.9	1150	23.16	23.16
751779.3	986372.6	1370	16.30	16.30
751789.3	986372.7	1380	16.72	16.72
751799.3	986372.8	1390	16.91	16.91
751809.3	986372.9	1400	17.55	17.55
751819.3	986373.1	1410	22.25	22.25
751829.3	986373.2	1420	17.36	17.36
751839.3	986373.3	1430	10.38	10.38
751849.3	986373.4	1440	22.19	22.19
751859.3	986373.6	1450	16.97	16.97
751869.3	986373.6	1460	16.63	16.63
751879.3	986373.8	1470	18.16	18.16
751889.3	986373.9	1480	17.67	17.67
751899.3	986374	1490	16.11	16.11
751909.3	986374.1	1500	14.43	14.43
751919.3	986374.3	1510	13.70	13.70
751929.3	986374.4	1520	13.28	13.28
751939.3	986374.5	1530	13.34	13.34
751949.3	986374.6	1540	14.53	14.53
751959.3	986374.8	1550	13.06	13.06
751969.3	986374.9	1560	13.18	13.18
751979.3	986375	1570	13.49	13.49
751989.3	986375.1	1580	13.03	13.03
751999.3	986375.3	1590	13.58	13.58
752009.3	986375.4	1600	13.70	13.70
752019.3	986375.5	1610	13.79	13.79
752029.3	986375.6	1620	14.56	14.56
752039.3	986375.8	1630	15.81	15.81
752049.3	986375.9	1640	19.65	19.65
752059.3	986376	1650	36.65	36.65
752069.3	986376.1	1660	-9.31	-9.31
752079.3	986376.3	1670	29.69	29.69
752089.3	986376.3	1680	27.16	27.16
752099.3	986376.4	1690	18.62	18.62
752109.3	986376.6	1700	16.11	16.11
752119.3	986376.7	1710	15.32	15.32
752129.3	986376.8	1720	14.53	14.53
752139.3	986376.9	1730	14.04	14.04
752149.3	986377.1	1740	14.01	14.01
752159.3	986377.2	1750	13.79	13.79
752169.3	986377.3	1760	13.70	13.70
752179.3	986377.4	1770	13.55	13.55
752189.3	986377.6	1780	13.89	13.89
752199.3	986377.7	1790	13.43	13.43

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752209.3	986377.8	1800	13.64	13.64	752719.2	986384.1	2310	13.00	13.00
752219.3	986377.9	1810	13.70	13.70	752729.2	986384.2	2320	13.43	13.43
752229.3	986378.1	1820	13.37	13.37	752739.2	986384.3	2330	13.43	13.43
752239.3	986378.2	1830	13.31	13.31	752749.2	986384.4	2340	13.58	13.58
752249.3	986378.3	1840	13.40	13.40	752759.2	986384.5	2350	13.67	13.67
752259.3	986378.4	1850	13.31	13.31	752769.2	986384.6	2360	13.89	13.89
752269.3	986378.6	1860	13.37	13.37	752779.2	986384.8	2370	13.85	13.85
752279.3	986378.7	1870	13.15	13.15	752789.2	986384.9	2380	14.10	14.10
752289.2	986378.8	1880	13.70	13.70	752799.2	986385	2390	13.73	13.73
752299.2	986378.9	1890	14.04	14.04	752809.2	986385.1	2400	14.16	14.16
752309.2	986379	1900	14.31	14.31	752819.2	986385.3	2410	14.04	14.04
752319.2	986379.1	1910	15.08	15.08	752829.2	986385.4	2420	14.13	14.13
752329.2	986379.3	1920	14.68	14.68	752839.2	986385.5	2430	14.62	14.62
752339.2	986379.4	1930	15.08	15.08	752849.2	986385.6	2440	14.13	14.13
752349.2	986379.5	1940	15.41	15.41	752859.2	986385.8	2450	14.53	14.53
752359.2	986379.6	1950	15.59	15.59	752869.2	986385.9	2460	14.62	14.62
752369.2	986379.8	1960	15.20	15.20	752879.2	986386	2470	14.71	14.71
752379.2	986379.9	1970	15.38	15.38	752889.2	986386.1	2480	14.53	14.53
752389.2	986380	1980	15.26	15.26	752899.2	986386.3	2490	14.65	14.65
752399.2	986380.1	1990	15.69	15.69	752909.2	986386.4	2500	14.92	14.92
752409.2	986380.3	2000	14.65	14.65	752919.2	986386.5	2510	14.86	14.86
752419.2	986380.4	2010	14.77	14.77	752929.2	986386.6	2520	14.68	14.68
752429.2	986380.5	2020	14.65	14.65	752939.2	986386.8	2530	14.28	14.28
752439.2	986380.6	2030	14.25	14.25	752949.2	986386.9	2540	14.47	14.47
752449.2	986380.8	2040	14.37	14.37	752959.2	986387	2550	14.16	14.16
752459.2	986380.9	2050	13.85	13.85	752969.2	986387.1	2560	14.43	14.43
752469.2	986381	2060	14.25	14.25	752979.2	986387.2	2570	13.76	13.76
752479.2	986381.1	2070	14.34	14.34	752989.2	986387.3	2580	14.43	14.43
752489.2	986381.3	2080	14.01	14.01	752999.2	986387.4	2590	14.01	14.01
752499.2	986381.4	2090	13.64	13.64	753009.2	986387.6	2600	14.62	14.62
752509.2	986381.5	2100	13.89	13.89	753019.2	986387.7	2610	14.04	14.04
752519.2	986381.6	2110	13.67	13.67	753029.2	986387.8	2620	14.43	14.43
752529.2	986381.7	2120	13.98	13.98	753039.2	986387.9	2630	15.05	15.05
752539.2	986381.8	2130	13.67	13.67	753049.2	986388.1	2640	14.65	14.65
752549.2	986381.9	2140	14.10	14.10	753059.2	986388.2	2650	15.05	15.05
752559.2	986382.1	2150	14.19	14.19	753069.2	986388.3	2660	14.92	14.92
752569.2	986382.2	2160	14.28	14.28	753079.2	986388.4	2670	15.11	15.11
752579.2	986382.3	2170	15.59	15.59	753089.2	986388.6	2680	14.71	14.71
752589.2	986382.4	2180	14.83	14.83	753099.2	986388.7	2690	14.83	14.83
752599.2	986382.6	2190	14.53	14.53	753109.2	986388.8	2700	14.37	14.37
752609.2	986382.7	2200	13.98	13.98	753119.2	986388.9	2710	14.53	14.53
752619.2	986382.8	2210	14.50	14.50	753129.1	986389.1	2720	13.31	13.31
752629.2	986382.9	2220	14.28	14.28	753139.1	986389.2	2730	13.85	13.85
752639.2	986383.1	2230	13.79	13.79	753149.1	986389.3	2740	14.07	14.07
752649.2	986383.2	2240	13.55	13.55	753159.1	986389.4	2750	13.61	13.61
752659.2	986383.3	2250	13.61	13.61	753169.1	986389.6	2760	13.89	13.89
752669.2	986383.4	2260	13.31	13.31	753179.1	986389.7	2770	13.95	13.95
752679.2	986383.6	2270	13.06	13.06	753189.1	986389.8	2780	13.37	13.37
752689.2	986383.7	2280	13.06	13.06	753199.1	986389.9	2790	13.73	13.73
752699.2	986383.8	2290	12.88	12.88	753209.1	986390	2800	13.76	13.76
752709.2	986383.9	2300	12.88	12.88	753219.1	986390.1	2810	13.52	13.52

Easting	Northing	Station	Conduct.	In-Phase
753229.1	986390.3	2820	13.52	13.52
753239.1	986390.4	2830	13.70	13.70
753249.1	986390.5	2840	13.58	13.58
753259.1	986390.6	2850	13.73	13.73
753269.1	986390.8	2860	14.25	14.25
753279.1	986390.9	2870	13.43	13.43
753289.1	986391	2880	13.95	13.95
753299.1	986391.1	2890	13.15	13.15
753309.1	986391.3	2900	13.49	13.49
753319.1	986391.4	2910	13.28	13.28
753329.1	986391.5	2920	13.92	13.92
753339.1	986391.6	2930	13.58	13.58
753349.1	986391.8	2940	14.04	14.04
753359.1	986391.9	2950	13.79	13.79
753369.1	986392	2960	13.70	13.70
753379.1	986392.1	2970	13.52	13.52
753389.1	986392.3	2980	14.04	14.04
753399.1	986392.4	2990	13.73	13.73
753409.1	986392.5	3000	13.92	13.92
753419.1	986392.6	3010	14.19	14.19
753429.1	986392.7	3020	13.98	13.98
753439.1	986392.8	3030	13.73	13.73
753449.1	986392.9	3040	14.56	14.56
753459.1	986393.1	3050	16.05	16.05
753469.1	986393.2	3060	17.12	17.12
753479.1	986393.3	3070	26.89	26.89
753489.1	986393.4	3080	24.02	24.02
753499.1	986393.6	3090	17.67	17.67
753499.1	986393.6	3090	52.95	52.95
753509.1	986393.7	3100	15.81	15.81
753509.1	986393.7	3100	25.79	25.79
753519.1	986393.8	3110	15.14	15.14
753519.1	986393.8	3110	16.48	16.48
753529.1	986393.9	3120	13.76	13.76
753529.1	986393.9	3120	14.56	14.56
753539.1	986394.1	3130	13.55	13.55
753539.1	986394.1	3130	13.92	13.92
753549.1	986394.2	3140	13.37	13.37
753549.1	986394.2	3140	13.34	13.34
753559.1	986394.3	3150	13.37	13.37
753559.1	986394.3	3150	13.06	13.06
753569.1	986394.4	3160	13.52	13.52
753569.1	986394.4	3160	12.82	12.82
753579.1	986394.6	3170	13.34	13.34
753579.1	986394.6	3170	12.15	12.15
753589.1	986394.7	3180	13.37	13.37
753589.1	986394.7	3180	12.12	12.12
753599.1	986394.8	3190	13.37	13.37
753599.1	986394.8	3190	12.51	12.51
753609.1	986394.9	3200	13.09	13.09
753609.1	986394.9	3200	12.33	12.33

Easting	Northing	Station	Conduct.	In-Phase
753619.1	986395.1	3210	13.40	13.40
753619.1	986395.1	3210	12.24	12.24
753629.1	986395.2	3220	13.43	13.43
753629.1	986395.2	3220	12.48	12.48
753639.1	986395.3	3230	13.55	13.55
753639.1	986395.3	3230	12.51	12.51
753649.1	986395.4	3240	13.46	13.46
753649.1	986395.4	3240	12.66	12.66
753659.1	986395.5	3250	13.67	13.67
753659.1	986395.5	3250	13.03	13.03
753669.1	986395.6	3260	13.55	13.55
753669.1	986395.6	3260	13.28	13.28
753679.1	986395.8	3270	13.79	13.79
753679.1	986395.8	3270	13.49	13.49
753689.1	986395.9	3280	13.82	13.82
753689.1	986395.9	3280	13.31	13.31
753699.1	986396	3290	13.92	13.92
753699.1	986396	3290	13.34	13.34
753709.1	986396.1	3300	13.79	13.79
753709.1	986396.1	3300	13.34	13.34
753719.1	986396.3	3310	13.89	13.89
753719.1	986396.3	3310	13.31	13.31
753729.1	986396.4	3320	13.67	13.67
753729.1	986396.4	3320	13.37	13.37
753739.1	986396.5	3330	13.92	13.92
753739.1	986396.5	3330	13.61	13.61
753749.1	986396.6	3340	13.98	13.98
753749.1	986396.6	3340	13.49	13.49
753759.1	986396.8	3350	13.64	13.64
753759.1	986396.8	3350	12.76	12.76
753769.1	986396.9	3360	13.82	13.82
753769.1	986396.9	3360	13.18	13.18
753779.1	986397	3370	14.13	14.13
753779.1	986397	3370	13.00	13.00
753789.1	986397.1	3380	13.95	13.95
753789.1	986397.1	3380	12.70	12.70
753799.1	986397.3	3390	13.76	13.76
753799.1	986397.3	3390	12.42	12.42
753809.1	986397.4	3400	13.58	13.58
753809.1	986397.4	3400	12.18	12.18
753819.1	986397.5	3410	13.67	13.67
753819.1	986397.5	3410	11.90	11.90
753829.1	986397.6	3420	13.24	13.24
753829.1	986397.6	3420	12.02	12.02
753839.1	986397.8	3430	13.37	13.37
753839.1	986397.8	3430	11.96	11.96
753849.1	986397.9	3440	13.06	13.06
753849.1	986397.9	3440	12.02	12.02
753859.1	986397.9	3450	13.00	13.00
753859.1	986397.9	3450	11.75	11.75
753869.1	986398.1	3460	13.03	13.03

Easting	Northing	Station	Conduct.	In-Phase
753869.1	986398.1	3460	11.93	11.93
753879.1	986398.2	3470	12.94	12.94
753879.1	986398.2	3470	11.96	11.96
753889.1	986398.3	3480	12.85	12.85
753889.1	986398.3	3480	11.90	11.90
753899.1	986398.4	3490	13.09	13.09
753899.1	986398.4	3490	12.05	12.05
753909.1	986398.6	3500	13.03	13.03
753909.1	986398.6	3500	11.99	11.99
753919.1	986398.7	3510	13.34	13.34
753919.1	986398.7	3510	11.84	11.84
753929.1	986398.8	3520	13.89	13.89
753929.1	986398.8	3520	11.93	11.93
753939.1	986398.9	3530	13.82	13.82
753939.1	986398.9	3530	12.02	12.02
753949.1	986399.1	3540	13.92	13.92
753949.1	986399.1	3540	11.93	11.93
753959.1	986399.2	3550	13.85	13.85
753959.1	986399.2	3550	12.57	12.57
753969.1	986399.3	3560	14.04	14.04
753969.1	986399.3	3560	12.76	12.76
753979.1	986399.4	3570	14.31	14.31
753979.1	986399.4	3570	12.97	12.97
753989.1	986399.6	3580	13.85	13.85
753989.1	986399.6	3580	13.61	13.61
753999.1	986399.7	3590	14.07	14.07
753999.1	986399.7	3590	13.09	13.09
754009.1	986399.8	3600	13.73	13.73
754009.1	986399.8	3600	13.31	13.31
754019.1	986399.9	3610	14.04	14.04
754019.1	986399.9	3610	13.95	13.95
754029.1	986400.1	3620	13.70	13.70
754029.1	986400.1	3620	14.22	14.22
754039.1	986400.2	3630	13.98	13.98
754039.1	986400.2	3630	14.43	14.43
754049.1	986400.3	3640	14.01	14.01
754049.1	986400.3	3640	13.82	13.82
754059.1	986400.4	3650	13.85	13.85
754059.1	986400.4	3650	13.43	13.43
754069.1	986400.6	3660	14.01	14.01
754069.1	986400.6	3660	12.94	12.94
754079.1	986400.6	3670	14.25	14.25
754079.1	986400.6	3670	12.88	12.88
754089.1	986400.8	3680	14.59	14.59
754089.1	986400.8	3680	12.97	12.97
754099.1	986400.9	3690	15.08	15.08
754099.1	986400.9	3690	12.63	12.63
754109.1	986401	3700	15.69	15.69
754109.1	986401	3700	12.45	12.45
754119.1	986401.1	3710	14.47	14.47
754119.1	986401.1	3710	12.02	12.02

Easting	Northing	Station	Conduct.	In-Phase
754129.1	986401.3	3720	12.57	12.57
754139.1	986401.4	3730	12.66	12.66
754149.1	986401.5	3740	12.36	12.36
754159.1	986401.6	3750	12.48	12.48
754169.1	986401.8	3760	12.91	12.91
754179.1	986401.9	3770	13.67	13.67
754189.1	986402	3780	13.58	13.58
754199.1	986402.1	3790	14.31	14.31
754209.1	986402.3	3800	14.95	14.95
LINE 20				
751348	986317.3	940	12.94	12.94
751358	986317.4	950	13.31	13.31
751368	986317.5	960	13.12	13.12
751378	986317.6	970	13.12	13.12
751388	986317.8	980	13.82	13.82
751398	986317.9	990	13.64	13.64
751408	986318	1000	14.37	14.37
751418	986318.1	1010	14.43	14.43
751428	986318.3	1020	15.23	15.23
751438	986318.4	1030	16.27	16.27
751448	986318.5	1040	19.99	19.99
751458	986318.6	1050	30.43	30.43
751468	986318.8	1060	32.14	32.14
751478	986318.9	1070	-23.13	23.13
751488	986319	1080	56.00	56.00
751498	986319.1	1090	46.30	46.30
751508	986319.3	1100	39.79	39.79
751518	986319.4	1110	33.42	33.42
751528	986319.5	1120	34.03	34.03
751538	986319.6	1130	32.10	32.10
751548	986319.8	1140	34.48	34.48
751558	986319.9	1150	36.80	36.80
751857.9	986323.5	1450	18.04	18.04
751867.9	986323.6	1460	15.59	15.59
751877.9	986323.8	1470	16.27	16.27
751887.9	986323.9	1480	14.71	14.71
751897.9	986324	1490	13.95	13.95
751907.9	986324.1	1500	13.03	13.03
751917.9	986324.3	1510	12.85	12.85
751927.9	986324.4	1520	13.40	13.40
751937.9	986324.5	1530	13.49	13.49
751947.9	986324.6	1540	13.18	13.18
751957.9	986324.8	1550	12.88	12.88
751967.9	986324.9	1560	13.00	13.00
751977.9	986325	1570	12.36	12.36
751987.9	986325.1	1580	12.42	12.42
751997.9	986325.3	1590	12.60	12.60
752007.9	986325.4	1600	12.45	12.45
752017.9	986325.4	1610	12.33	12.33
752027.9	986325.6	1620	12.33	12.33
752037.9	986325.7	1630	12.12	12.12

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752047.9	986325.8	1640	12.66	12.66	752557.9	986332.1	2150	14.92	14.92
752057.9	986325.9	1650	13.06	13.06	752567.9	986332.2	2160	15.05	15.05
752067.9	986326.1	1660	13.24	13.24	752577.9	986332.3	2170	15.14	15.14
752077.9	986326.2	1670	13.55	13.55	752587.9	986332.4	2180	14.37	14.37
752087.9	986326.3	1680	14.62	14.62	752597.9	986332.6	2190	15.96	15.96
752097.9	986326.4	1690	16.85	16.85	752607.9	986332.7	2200	14.04	14.04
752107.9	986326.6	1700	24.17	24.17	752617.9	986332.8	2210	14.34	14.34
752117.9	986326.7	1710	-2.44	-2.44	752627.9	986332.9	2220	15.05	15.05
752127.9	986326.8	1720	14.40	14.40	752637.9	986333.1	2230	14.74	14.74
752137.9	986326.9	1730	17.73	17.73	752647.9	986333.2	2240	15.38	15.38
752147.9	986327.1	1740	14.31	14.31	752657.9	986333.3	2250	15.01	15.01
752157.9	986327.2	1750	13.40	13.40	752667.9	986333.4	2260	15.14	15.14
752167.9	986327.3	1760	13.43	13.43	752677.9	986333.6	2270	14.65	14.65
752177.9	986327.4	1770	13.34	13.34	752687.9	986333.6	2280	14.92	14.92
752187.9	986327.6	1780	13.15	13.15	752697.9	986333.8	2290	14.50	14.50
752197.9	986327.7	1790	13.49	13.49	752707.9	986333.9	2300	14.62	14.62
752207.9	986327.8	1800	13.40	13.40	752717.9	986334	2310	15.01	15.01
752217.9	986327.9	1810	13.34	13.34	752727.9	986334.1	2320	14.65	14.65
752227.9	986328.1	1820	13.55	13.55	752737.9	986334.3	2330	14.92	14.92
752237.9	986328.1	1830	13.37	13.37	752747.9	986334.4	2340	14.43	14.43
752247.9	986328.3	1840	13.79	13.79	752757.9	986334.5	2350	14.68	14.68
752257.9	986328.4	1850	14.04	14.04	752767.9	986334.6	2360	14.34	14.34
752267.9	986328.5	1860	13.92	13.92	752777.9	986334.8	2370	14.53	14.53
752277.9	986328.6	1870	14.28	14.28	752787.9	986334.9	2380	14.40	14.40
752287.9	986328.8	1880	14.47	14.47	752797.9	986335	2390	14.59	14.59
752297.9	986328.9	1890	14.31	14.31	752807.9	986335.1	2400	14.86	14.86
752307.9	986329	1900	14.40	14.40	752817.9	986335.3	2410	14.71	14.71
752317.9	986329.1	1910	14.04	14.04	752827.9	986335.4	2420	14.07	14.07
752327.9	986329.3	1920	14.77	14.77	752837.9	986335.5	2430	14.80	14.80
752337.9	986329.4	1930	14.50	14.50	752847.9	986335.6	2440	14.25	14.25
752347.9	986329.5	1940	15.32	15.32	752857.9	986335.8	2450	14.13	14.13
752357.9	986329.6	1950	15.14	15.14	752867.9	986335.9	2460	14.10	14.10
752367.9	986329.8	1960	15.11	15.11	752877.9	986336	2470	14.01	14.01
752377.9	986329.9	1970	14.95	14.95	752887.9	986336.1	2480	13.73	13.73
752387.9	986330	1980	14.80	14.80	752897.9	986336.3	2490	14.07	14.07
752397.9	986330.1	1990	14.77	14.77	752907.9	986336.3	2500	14.01	14.01
752407.9	986330.3	2000	14.34	14.34	752917.9	986336.4	2510	13.70	13.70
752417.9	986330.4	2010	14.50	14.50	752927.9	986336.6	2520	14.13	14.13
752427.9	986330.5	2020	14.59	14.59	752937.9	986336.7	2530	14.13	14.13
752437.9	986330.6	2030	14.16	14.16	752947.9	986336.8	2540	14.13	14.13
752447.9	986330.8	2040	14.31	14.31	752957.9	986336.9	2550	14.16	14.16
752457.9	986330.9	2050	14.22	14.22	752967.9	986337.1	2560	14.62	14.62
752467.9	986330.9	2060	14.65	14.65	752977.9	986337.2	2570	14.71	14.71
752477.9	986331.1	2070	14.62	14.62	752987.9	986337.3	2580	14.74	14.74
752487.9	986331.2	2080	14.65	14.65	752997.9	986337.4	2590	15.17	15.17
752497.9	986331.3	2090	14.65	14.65	753007.9	986337.6	2600	15.35	15.35
752507.9	986331.4	2100	14.50	14.50	753017.9	986337.7	2610	15.26	15.26
752517.9	986331.6	2110	14.53	14.53	753027.9	986337.8	2620	15.59	15.59
752527.9	986331.7	2120	14.80	14.80	753037.9	986337.9	2630	14.43	14.43
752537.9	986331.8	2130	14.37	14.37	753047.9	986338.1	2640	14.34	14.34
752547.9	986331.9	2140	14.56	14.56	753057.9	986338.2	2650	14.47	14.47

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
753067.9	986338.3	2660	14.59	14.59	753597.8	986344.8	3190	12.42	12.42
753077.9	986338.4	2670	14.86	14.86	753607.8	986344.9	3200	12.57	12.57
753087.9	986338.6	2680	14.77	14.77	753617.8	986345	3210	12.51	12.51
753097.9	986338.7	2690	14.83	14.83	753627.8	986345.1	3220	12.73	12.73
753107.9	986338.8	2700	14.53	14.53	753637.8	986345.3	3230	12.88	12.88
753117.9	986338.9	2710	14.40	14.40	753647.8	986345.4	3240	13.06	13.06
753127.9	986339	2720	14.28	14.28	753657.8	986345.5	3250	13.09	13.09
753137.9	986339.1	2730	14.04	14.04	753667.8	986345.6	3260	13.21	13.21
753147.9	986339.3	2740	14.31	14.31	753677.8	986345.8	3270	12.94	12.94
753157.9	986339.4	2750	13.92	13.92	753687.8	986345.9	3280	13.00	13.00
753167.9	986339.5	2760	14.22	14.22	753697.8	986346	3290	12.97	12.97
753177.9	986339.6	2770	13.85	13.85	753707.8	986346.1	3300	13.03	13.03
753187.9	986339.8	2780	13.67	13.67	753717.8	986346.3	3310	13.12	13.12
753197.9	986339.9	2790	14.19	14.19	753727.8	986346.4	3320	13.12	13.12
753207.9	986340	2800	14.28	14.28	753737.8	986346.5	3330	13.31	13.31
753217.9	986340.1	2810	14.10	14.10	753747.8	986346.6	3340	13.31	13.31
753227.9	986340.3	2820	14.83	14.83	753757.8	986346.8	3350	13.31	13.31
753237.9	986340.4	2830	15.20	15.20	753767.8	986346.9	3360	13.18	13.18
753247.9	986340.5	2840	14.04	14.04	753777.8	986347	3370	12.63	12.63
753257.9	986340.6	2850	14.80	14.80	753787.8	986347.1	3380	12.91	12.91
753267.9	986340.8	2860	14.47	14.47	753797.8	986347.2	3390	12.42	12.42
753277.9	986340.9	2870	14.37	14.37	753807.8	986347.3	3400	12.30	12.30
753287.9	986341	2880	14.37	14.37	753817.8	986347.4	3410	11.81	11.81
753297.9	986341.1	2890	14.37	14.37	753827.8	986347.6	3420	11.81	11.81
753307.9	986341.3	2900	15.05	15.05	753837.8	986347.7	3430	11.99	11.99
753317.9	986341.4	2910	15.01	15.01	753847.8	986347.8	3440	11.41	11.41
753327.9	986341.5	2920	14.95	14.95	753857.8	986347.9	3450	11.51	11.51
753337.9	986341.6	2930	14.77	14.77	753867.8	986348.1	3460	11.41	11.41
753347.9	986341.7	2940	15.29	15.29	753877.8	986348.2	3470	11.02	11.02
753357.9	986341.8	2950	15.14	15.14	753887.8	986348.3	3480	11.44	11.44
753367.9	986341.9	2960	14.98	14.98	753897.8	986348.4	3490	11.54	11.54
753377.9	986342.1	2970	14.83	14.83	753907.8	986348.6	3500	11.38	11.38
753387.9	986342.2	2980	14.98	14.98	753917.8	986348.7	3510	11.26	11.26
753397.9	986342.3	2990	14.62	14.62	753927.8	986348.8	3520	11.57	11.57
753407.9	986342.4	3000	15.05	15.05	753937.8	986348.9	3530	11.78	11.78
753417.9	986342.6	3010	14.65	14.65	753947.8	986349.1	3540	11.66	11.66
753427.9	986342.7	3020	14.83	14.83	753957.8	986349.2	3550	11.93	11.93
753437.8	986342.8	3030	15.32	15.32	753967.8	986349.3	3560	12.08	12.08
753447.8	986342.9	3040	17.36	17.36	753977.8	986349.4	3570	12.18	12.18
753457.8	986343.1	3050	19.90	19.90	753987.8	986349.6	3580	12.79	12.79
753467.8	986343.2	3060	26.37	26.37	753997.8	986349.7	3590	12.76	12.76
753477.8	986343.3	3070	38.97	38.97	754007.8	986349.8	3600	13.46	13.46
753507.8	986343.7	3100	31.98	31.98	754017.8	986349.9	3610	13.70	13.70
753517.8	986343.8	3110	21.67	21.67	754027.8	986350	3620	13.64	13.64
753527.8	986343.9	3120	17.00	17.00	754037.8	986350.1	3630	13.76	13.76
753537.8	986344.1	3130	14.53	14.53	754047.8	986350.3	3640	14.10	14.10
753547.8	986344.2	3140	13.46	13.46	754057.8	986350.4	3650	14.43	14.43
753557.8	986344.3	3150	13.28	13.28	754067.8	986350.5	3660	13.92	13.92
753567.8	986344.4	3160	12.76	12.76	754077.8	986350.6	3670	13.67	13.67
753577.8	986344.5	3170	12.36	12.36	754087.8	986350.8	3680	13.49	13.49
753587.8	986344.6	3180	12.27	12.27	754097.8	986350.9	3690	13.15	13.15

Easting	Northing	Station	Conduct.	In-Phase
754107.8	986351	3700	12.85	12.85
754117.8	986351.1	3710	12.79	12.79
754127.8	986351.3	3720	12.27	12.27
754137.8	986351.4	3730	12.30	12.30
754147.8	986351.5	3740	12.18	12.18
754157.8	986351.6	3750	12.60	12.60
754167.8	986351.8	3760	12.79	12.79
754177.8	986351.9	3770	12.76	12.76
754187.8	986352	3780	13.43	13.43
754197.8	986352.1	3790	13.73	13.73
754207.8	986352.3	3800	13.95	13.95
754227.8	986352.4	3820	15.93	15.93
751308.6	986266.8	900	13.70	13.70
751318.6	986266.9	910	14.00	14.00
751328.6	986267.1	920	14.07	14.07
751338.6	986267.2	930	13.30	13.30
751348.6	986267.3	940	12.15	12.15
751358.6	986267.4	950	12.55	12.55
751368.6	986267.5	960	12.91	12.91
751378.6	986267.6	970	12.57	12.57
751388.6	986267.8	980	13.06	13.06
751398.6	986267.9	990	12.54	12.54
751408.6	986268	1000	12.82	12.82
751418.6	986268.1	1010	13.18	13.18
751428.6	986268.3	1020	13.76	13.76
751438.6	986268.4	1030	16.17	16.17
751448.6	986268.5	1040	22.34	22.34
751458.6	986268.6	1050	27.68	27.68
751468.6	986268.8	1060	-14.98	14.98
751478.6	986268.9	1070	48.19	48.19
751488.6	986269	1080	27.86	27.86
751498.6	986269.1	1090	26.86	26.86
751508.6	986269.3	1100	27.92	27.92
751518.6	986269.4	1110	27.07	27.07
751528.6	986269.5	1120	27.74	27.74
751538.6	986269.6	1130	27.74	27.74
751548.6	986269.8	1140	37.48	37.48
751558.6	986269.9	1150	44.53	44.53
751808.6	986272.9	1400	16.72	16.72
751818.6	986273	1410	16.82	16.82
751828.6	986273.1	1420	15.81	15.81
751838.6	986273.3	1430	14.89	14.89
751848.6	986273.4	1440	15.93	15.93
751858.6	986273.5	1450	14.34	14.34
751868.6	986273.6	1460	13.70	13.70
751878.6	986273.8	1470	13.64	13.64
751888.6	986273.9	1480	13.98	13.98
751898.6	986274	1490	13.76	13.76
751908.6	986274.1	1500	13.40	13.40
751918.6	986274.3	1510	13.15	13.15
751928.6	986274.4	1520	13.09	13.09

Easting	Northing	Station	Conduct.	In-Phase
751938.6	986274.5	1530	13.37	13.37
751948.6	986274.6	1540	12.60	12.60
751958.6	986274.8	1550	12.66	12.66
751968.6	986274.9	1560	12.88	12.88
751978.6	986275	1570	12.85	12.85
751988.6	986275.1	1580	12.51	12.51
751998.6	986275.3	1590	13.06	13.06
752008.6	986275.4	1600	12.57	12.57
752018.6	986275.5	1610	12.60	12.60
752028.6	986275.6	1620	12.57	12.57
752038.6	986275.7	1630	12.24	12.24
752048.6	986275.8	1640	12.51	12.51
752058.6	986275.9	1650	12.60	12.60
752068.6	986276.1	1660	12.54	12.54
752078.6	986276.2	1670	12.30	12.30
752088.6	986276.3	1680	12.51	12.51
752098.6	986276.4	1690	12.60	12.60
752108.6	986276.6	1700	12.60	12.60
752118.6	986276.7	1710	12.76	12.76
752128.6	986276.8	1720	12.70	12.70
752138.6	986276.9	1730	12.85	12.85
752148.6	986277.1	1740	13.18	13.18
752158.6	986277.2	1750	13.49	13.49
752168.6	986277.3	1760	13.73	13.73
752178.6	986277.4	1770	15.20	15.20
752188.6	986277.6	1780	22.03	22.03
752198.6	986277.7	1790	-8.39	-8.39
752208.6	986277.8	1800	24.63	24.63
752218.6	986277.9	1810	27.71	27.71
752228.6	986278.1	1820	19.13	19.13
752238.6	986278.2	1830	16.63	16.63
752248.6	986278.3	1840	15.29	15.29
752258.6	986278.4	1850	14.68	14.68
752268.6	986278.5	1860	14.19	14.19
752278.6	986278.6	1870	14.10	14.10
752288.6	986278.8	1880	14.07	14.07
752298.6	986278.9	1890	14.25	14.25
752308.6	986279	1900	14.07	14.07
752318.6	986279.1	1910	14.19	14.19
752328.6	986279.3	1920	14.65	14.65
752338.6	986279.4	1930	14.80	14.80
752348.6	986279.5	1940	15.01	15.01
752358.6	986279.6	1950	15.20	15.20
752368.6	986279.8	1960	15.29	15.29
752378.6	986279.9	1970	15.23	15.23
752388.6	986280	1980	14.98	14.98
752398.6	986280.1	1990	14.77	14.77
752408.5	986280.3	2000	14.74	14.74
752418.5	986280.4	2010	14.62	14.62
752428.5	986280.5	2020	14.83	14.83
752438.5	986280.6	2030	14.34	14.34

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752448.5	986280.8	2040	14.43	14.43	752958.5	986286.9	2550	15.72	15.72
752458.5	986280.9	2050	13.61	13.61	752968.5	986287.1	2560	15.41	15.41
752468.5	986281	2060	14.04	14.04	752978.5	986287.2	2570	15.23	15.23
752478.5	986281.1	2070	13.76	13.76	752988.5	986287.3	2580	15.05	15.05
752488.5	986281.2	2080	13.55	13.55	752998.5	986287.4	2590	15.11	15.11
752498.5	986281.3	2090	13.43	13.43	753008.5	986287.6	2600	14.92	14.92
752508.5	986281.4	2100	13.67	13.67	753018.5	986287.7	2610	15.01	15.01
752518.5	986281.6	2110	13.85	13.85	753028.5	986287.8	2620	15.62	15.62
752528.5	986281.7	2120	13.89	13.89	753038.5	986287.9	2630	15.01	15.01
752538.5	986281.8	2130	14.19	14.19	753048.5	986288.1	2640	14.95	14.95
752548.5	986281.9	2140	13.95	13.95	753058.5	986288.2	2650	15.01	15.01
752558.5	986282.1	2150	13.64	13.64	753068.5	986288.3	2660	14.47	14.47
752568.5	986282.2	2160	14.28	14.28	753078.5	986288.4	2670	14.56	14.56
752578.5	986282.3	2170	13.37	13.37	753088.5	986288.6	2680	14.59	14.59
752588.5	986282.4	2180	14.31	14.31	753098.5	986288.7	2690	14.92	14.92
752598.5	986282.6	2190	14.07	14.07	753108.5	986288.8	2700	14.56	14.56
752608.5	986282.7	2200	14.34	14.34	753118.5	986288.9	2710	14.74	14.74
752618.5	986282.8	2210	13.49	13.49	753128.5	986289.1	2720	14.28	14.28
752628.5	986282.9	2220	14.04	14.04	753138.5	986289.1	2730	14.34	14.34
752638.5	986283.1	2230	12.24	12.24	753148.5	986289.3	2740	14.40	14.40
752648.5	986283.2	2240	10.25	10.25	753158.5	986289.4	2750	13.98	13.98
752658.5	986283.3	2250	12.30	12.30	753168.5	986289.5	2760	14.34	14.34
752668.5	986283.4	2260	13.64	13.64	753178.5	986289.6	2770	14.25	14.25
752678.5	986283.6	2270	13.64	13.64	753188.5	986289.8	2780	14.40	14.40
752688.5	986283.7	2280	13.73	13.73	753198.5	986289.9	2790	14.68	14.68
752698.5	986283.8	2290	14.10	14.10	753208.5	986290	2800	14.37	14.37
752708.5	986283.9	2300	14.34	14.34	753218.5	986290.1	2810	14.37	14.37
752718.5	986284	2310	15.01	15.01	753228.5	986290.3	2820	14.83	14.83
752728.5	986284.1	2320	14.62	14.62	753238.5	986290.4	2830	14.53	14.53
752738.5	986284.3	2330	14.98	14.98	753248.5	986290.5	2840	14.92	14.92
752748.5	986284.4	2340	15.23	15.23	753258.4	986290.6	2850	14.56	14.56
752758.5	986284.5	2350	15.17	15.17	753268.4	986290.8	2860	12.27	12.27
752768.5	986284.6	2360	15.32	15.32	753278.4	986290.9	2870	13.89	13.89
752778.5	986284.8	2370	15.20	15.20	753288.4	986291	2880	13.85	13.85
752788.5	986284.9	2380	15.56	15.56	753298.4	986291.1	2890	13.31	13.31
752798.5	986285	2390	15.66	15.66	753308.4	986291.3	2900	13.67	13.67
752808.5	986285.1	2400	15.81	15.81	753318.4	986291.4	2910	13.95	13.95
752818.5	986285.3	2410	15.78	15.78	753328.4	986291.5	2920	13.98	13.98
752828.5	986285.4	2420	15.93	15.93	753338.4	986291.6	2930	13.67	13.67
752838.5	986285.5	2430	15.66	15.66	753348.4	986291.8	2940	13.49	13.49
752848.5	986285.6	2440	15.81	15.81	753358.4	986291.8	2950	13.34	13.34
752858.5	986285.8	2450	15.90	15.90	753368.4	986291.9	2960	13.82	13.82
752868.5	986285.9	2460	15.75	15.75	753378.4	986292.1	2970	13.58	13.58
752878.5	986286	2470	14.95	14.95	753388.4	986292.2	2980	13.95	13.95
752888.5	986286.1	2480	15.26	15.26	753398.4	986292.3	2990	14.37	14.37
752898.5	986286.3	2490	15.35	15.35	753408.4	986292.4	3000	14.56	14.56
752908.5	986286.4	2500	15.75	15.75	753418.4	986292.6	3010	14.71	14.71
752918.5	986286.4	2510	15.23	15.23	753428.4	986292.7	3020	14.89	14.89
752928.5	986286.6	2520	15.53	15.53	753438.4	986292.8	3030	14.62	14.62
752938.5	986286.7	2530	15.81	15.81	753448.4	986292.9	3040	15.32	15.32
752948.5	986286.8	2540	15.47	15.47	753458.4	986293.1	3050	16.45	16.45

Easting	Northing	Station	Conduct.	In-Phase
753468.4	986293.2	3060	17.33	17.33
753478.4	986293.3	3070	20.17	20.17
753488.4	986293.4	3080	38.24	38.24
753498.4	986293.6	3090	77.15	77.15
753508.4	986293.7	3100	26.82	26.82
753518.4	986293.8	3110	16.85	16.85
753528.4	986293.9	3120	15.26	15.26
753538.4	986294.1	3130	13.67	13.67
753548.4	986294.2	3140	13.70	13.70
753558.4	986294.3	3150	13.64	13.64
753568.4	986294.4	3160	13.52	13.52
753578.4	986294.5	3170	13.46	13.46
753588.4	986294.6	3180	13.55	13.55
753598.4	986294.8	3190	13.24	13.24
753608.4	986294.9	3200	13.43	13.43
753618.4	986295	3210	13.43	13.43
753628.4	986295.1	3220	13.73	13.73
753638.4	986295.3	3230	13.40	13.40
753648.4	986295.4	3240	13.28	13.28
753658.4	986295.5	3250	13.40	13.40
753668.4	986295.6	3260	13.34	13.34
753678.4	986295.8	3270	13.34	13.34
753688.4	986295.9	3280	13.40	13.40
753698.4	986296	3290	13.03	13.03
753708.4	986296.1	3300	13.37	13.37
753718.4	986296.3	3310	13.43	13.43
753728.4	986296.4	3320	13.95	13.95
753738.4	986296.5	3330	14.01	14.01
753748.4	986296.6	3340	14.19	14.19
753758.4	986296.8	3350	14.31	14.31
753768.4	986296.9	3360	14.16	14.16
753778.4	986297	3370	13.73	13.73
753788.4	986297.1	3380	13.43	13.43
753798.4	986297.2	3390	13.24	13.24
753808.4	986297.3	3400	12.79	12.79
753818.4	986297.4	3410	12.60	12.60
753828.4	986297.6	3420	12.30	12.30
753838.4	986297.7	3430	12.08	12.08
753848.4	986297.8	3440	12.12	12.12
753858.4	986297.9	3450	11.87	11.87
753868.4	986298.1	3460	11.78	11.78
753878.4	986298.2	3470	11.84	11.84
753888.4	986298.3	3480	11.69	11.69
753898.4	986298.4	3490	11.90	11.90
753908.4	986298.6	3500	11.72	11.72
753918.4	986298.7	3510	11.72	11.72
753928.4	986298.8	3520	11.78	11.78
753938.4	986298.9	3530	11.54	11.54
753948.4	986299.1	3540	11.87	11.87
753958.4	986299.2	3550	11.99	11.99
753968.4	986299.3	3560	11.93	11.93
753978.4	986299.4	3570	12.18	12.18
753988.4	986299.6	3580	12.39	12.39
753998.4	986299.7	3590	12.88	12.88
754008.4	986299.8	3600	12.91	12.91
754018.4	986299.9	3610	13.52	13.52
754028.4	986300	3620	13.73	13.73
754038.4	986300.1	3630	13.64	13.64
754048.4	986300.3	3640	13.43	13.43
754058.4	986300.4	3650	13.79	13.79
754068.4	986300.5	3660	13.58	13.58
754078.4	986300.6	3670	13.40	13.40
754088.4	986300.8	3680	13.49	13.49
754098.4	986300.9	3690	13.00	13.00
754108.4	986301	3700	13.34	13.34
754118.4	986301.1	3710	13.40	13.40
754128.4	986301.3	3720	12.88	12.88
754138.4	986301.4	3730	13.06	13.06
754148.4	986301.5	3740	12.94	12.94
754158.4	986301.6	3750	12.94	12.94
754168.4	986301.8	3760	13.09	13.09
754178.4	986301.9	3770	13.18	13.18
754188.4	986302	3780	13.82	13.82
754198.4	986302.1	3790	13.76	13.76
754208.4	986302.3	3800	14.28	14.28
754218.4	986302.4	3810	10.83	10.83
754228.4	986302.5	3820	15.78	15.78
754238.4	986302.6	3830	15.01	15.01
LINE 22				
751305.4	986216.8	900	13.58	13.58
751315.4	986216.9	910	13.52	13.52
751325.4	986217	920	13.43	13.43
751335.4	986217.1	930	13.31	13.31
751345.4	986217.3	940	13.15	13.15
751355.4	986217.4	950	13.21	13.21
751365.4	986217.5	960	13.28	13.28
751375.4	986217.6	970	13.24	13.24
751385.4	986217.8	980	13.09	13.09
751395.4	986217.9	990	12.70	12.70
751405.4	986218	1000	12.48	12.48
751415.4	986218.1	1010	12.82	12.82
751425.4	986218.3	1020	13.18	13.18
751435.4	986218.3	1030	13.09	13.09
751445.4	986218.4	1040	13.67	13.67
751455.4	986218.6	1050	13.31	13.31
751465.4	986218.7	1060	14.98	14.98
751475.4	986218.8	1070	20.08	20.08
751485.4	986218.9	1080	17.24	17.24
751495.4	986219.1	1090	18.92	18.92
751505.4	986219.2	1100	19.47	19.47
751515.4	986219.3	1110	21.79	21.79
751525.4	986219.4	1120	22.16	22.16

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
751535.4	986219.6	1130	22.49	22.49	752255.4	986228.4	1850	69.49	69.49
751755.4	986222.3	1350	17.06	17.06	752265.4	986228.5	1860	23.56	23.56
751765.4	986222.4	1360	16.14	16.14	752275.4	986228.6	1870	18.10	18.10
751775.4	986222.5	1370	15.96	15.96	752285.4	986228.8	1880	16.11	16.11
751785.4	986222.6	1380	15.81	15.81	752295.4	986228.9	1890	15.69	15.69
751795.4	986222.8	1390	15.35	15.35	752305.4	986229	1900	15.14	15.14
751805.4	986222.9	1400	15.69	15.69	752315.4	986229.1	1910	14.50	14.50
751815.4	986223	1410	14.40	14.40	752325.4	986229.2	1920	14.25	14.25
751825.4	986223.1	1420	14.25	14.25	752335.4	986229.3	1930	14.31	14.31
751835.4	986223.3	1430	14.50	14.50	752345.4	986229.4	1940	14.40	14.40
751845.4	986223.4	1440	14.28	14.28	752355.4	986229.6	1950	13.85	13.85
751855.4	986223.5	1450	13.98	13.98	752365.4	986229.7	1960	14.01	14.01
751865.4	986223.6	1460	13.82	13.82	752375.4	986229.8	1970	13.40	13.40
751875.4	986223.7	1470	13.79	13.79	752385.3	986229.9	1980	13.79	13.79
751885.4	986223.8	1480	13.49	13.49	752395.3	986230.1	1990	13.49	13.49
751895.4	986223.9	1490	13.67	13.67	752405.3	986230.2	2000	13.12	13.12
751905.4	986224.1	1500	13.12	13.12	752415.3	986230.3	2010	13.21	13.21
751915.4	986224.2	1510	13.03	13.03	752425.3	986230.4	2020	13.40	13.40
751925.4	986224.3	1520	13.58	13.58	752435.3	986230.6	2030	13.06	13.06
751935.4	986224.4	1530	13.06	13.06	752445.3	986230.7	2040	12.79	12.79
751945.4	986224.6	1540	12.94	12.94	752455.3	986230.8	2050	12.73	12.73
751955.4	986224.7	1550	12.82	12.82	752465.3	986230.9	2060	12.91	12.91
751965.4	986224.8	1560	12.57	12.57	752475.3	986231.1	2070	12.76	12.76
751975.4	986224.9	1570	13.15	13.15	752485.3	986231.2	2080	13.06	13.06
751985.4	986225.1	1580	12.76	12.76	752495.3	986231.3	2090	12.91	12.91
751995.4	986225.2	1590	13.03	13.03	752505.3	986231.4	2100	13.52	13.52
752005.4	986225.3	1600	12.57	12.57	752515.3	986231.6	2110	13.61	13.61
752015.4	986225.4	1610	12.70	12.70	752525.3	986231.7	2120	13.49	13.49
752025.4	986225.6	1620	12.85	12.85	752535.3	986231.8	2130	13.61	13.61
752035.4	986225.7	1630	12.76	12.76	752545.3	986231.9	2140	13.76	13.76
752045.4	986225.8	1640	12.42	12.42	752555.3	986232	2150	13.28	13.28
752055.4	986225.9	1650	12.73	12.73	752565.3	986232.1	2160	14.07	14.07
752065.4	986226.1	1660	12.12	12.12	752575.3	986232.3	2170	13.46	13.46
752075.4	986226.2	1670	12.57	12.57	752585.3	986232.4	2180	14.19	14.19
752085.4	986226.3	1680	11.99	11.99	752595.3	986232.5	2190	13.89	13.89
752095.4	986226.4	1690	12.54	12.54	752605.3	986232.6	2200	13.67	13.67
752105.4	986226.5	1700	12.57	12.57	752615.3	986232.8	2210	14.01	14.01
752115.4	986226.6	1710	12.60	12.60	752625.3	986232.9	2220	13.92	13.92
752125.4	986226.8	1720	12.57	12.57	752635.3	986233	2230	13.73	13.73
752135.4	986226.9	1730	13.06	13.06	752645.3	986233.1	2240	14.16	14.16
752145.4	986227	1740	13.21	13.21	752655.3	986233.3	2250	13.31	13.31
752155.4	986227.1	1750	13.28	13.28	752665.3	986233.4	2260	14.28	14.28
752165.4	986227.3	1760	13.49	13.49	752675.3	986233.5	2270	13.92	13.92
752175.4	986227.4	1770	14.16	14.16	752685.3	986233.6	2280	13.52	13.52
752185.4	986227.5	1780	14.43	14.43	752695.3	986233.8	2290	14.34	14.34
752195.4	986227.6	1790	15.14	15.14	752705.3	986233.9	2300	14.34	14.34
752205.4	986227.8	1800	17.18	17.18	752715.3	986234	2310	14.50	14.50
752215.4	986227.9	1810	20.90	20.90	752725.3	986234.1	2320	14.37	14.37
752225.4	986228	1820	29.88	29.88	752735.3	986234.3	2330	13.89	13.89
752235.4	986228.1	1830	3.97	3.97	752745.3	986234.4	2340	13.98	13.98
752245.4	986228.3	1840	-42.54	42.54	752755.3	986234.5	2350	13.73	13.73

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752765.3	986234.6	2360	13.12	13.12	753275.3	986240.8	2870	14.22	14.22
752775.3	986234.7	2370	14.01	14.01	753285.3	986240.9	2880	14.01	14.01
752785.3	986234.8	2380	14.07	14.07	753295.3	986241.1	2890	13.89	13.89
752795.3	986234.9	2390	14.07	14.07	753305.3	986241.2	2900	13.79	13.79
752805.3	986235.1	2400	14.07	14.07	753315.3	986241.3	2910	13.73	13.73
752815.3	986235.2	2410	14.10	14.10	753325.3	986241.4	2920	13.70	13.70
752825.3	986235.3	2420	14.31	14.31	753335.3	986241.6	2930	13.18	13.18
752835.3	986235.4	2430	14.65	14.65	753345.3	986241.7	2940	13.55	13.55
752845.3	986235.6	2440	14.28	14.28	753355.3	986241.8	2950	13.37	13.37
752855.3	986235.7	2450	14.43	14.43	753365.3	986241.9	2960	13.85	13.85
752865.3	986235.8	2460	14.95	14.95	753375.3	986242.1	2970	13.79	13.79
752875.3	986235.9	2470	15.47	15.47	753385.3	986242.2	2980	13.76	13.76
752885.3	986236.1	2480	15.23	15.23	753395.3	986242.3	2990	13.95	13.95
752895.3	986236.2	2490	15.47	15.47	753405.3	986242.4	3000	14.37	14.37
752905.3	986236.3	2500	16.02	16.02	753415.3	986242.6	3010	14.50	14.50
752915.3	986236.4	2510	15.87	15.87	753425.3	986242.6	3020	14.10	14.10
752925.3	986236.6	2520	15.69	15.69	753435.3	986242.8	3030	14.34	14.34
752935.3	986236.7	2530	15.69	15.69	753445.3	986242.9	3040	15.08	15.08
752945.3	986236.8	2540	16.05	16.05	753455.3	986243	3050	15.96	15.96
752955.3	986236.9	2550	15.56	15.56	753465.3	986243.1	3060	17.52	17.52
752965.3	986237.1	2560	15.69	15.69	753475.3	986243.3	3070	26.12	26.12
752975.3	986237.2	2570	15.78	15.78	753485.3	986243.4	3080	37.96	37.96
752985.3	986237.3	2580	15.96	15.96	753505.3	986243.6	3100	101.07	1.07
752995.3	986237.4	2590	16.42	16.42	753515.3	986243.8	3110	43.49	43.49
753005.3	986237.5	2600	15.32	15.32	753525.3	986243.9	3120	22.74	22.74
753015.3	986237.6	2610	15.69	15.69	753535.3	986244	3130	17.70	17.70
753025.3	986237.8	2620	15.17	15.17	753545.3	986244.1	3140	15.47	15.47
753035.3	986237.9	2630	15.56	15.56	753555.3	986244.3	3150	14.80	14.80
753045.3	986238	2640	15.14	15.14	753565.3	986244.4	3160	14.22	14.22
753055.3	986238.1	2650	15.01	15.01	753575.3	986244.5	3170	14.31	14.31
753065.3	986238.3	2660	14.86	14.86	753585.3	986244.6	3180	14.04	14.04
753075.3	986238.4	2670	15.20	15.20	753595.3	986244.8	3190	13.64	13.64
753085.3	986238.5	2680	15.38	15.38	753605.3	986244.9	3200	13.31	13.31
753095.3	986238.6	2690	15.38	15.38	753615.3	986245	3210	13.67	13.67
753105.3	986238.8	2700	15.11	15.11	753625.3	986245.1	3220	13.73	13.73
753115.3	986238.9	2710	15.41	15.41	753635.3	986245.3	3230	13.37	13.37
753125.3	986239	2720	14.86	14.86	753645.3	986245.3	3240	13.70	13.70
753135.3	986239.1	2730	15.17	15.17	753655.3	986245.4	3250	13.31	13.31
753145.3	986239.3	2740	15.35	15.35	753665.3	986245.6	3260	13.18	13.18
753155.3	986239.4	2750	15.14	15.14	753675.3	986245.7	3270	13.31	13.31
753165.3	986239.5	2760	14.95	14.95	753685.3	986245.8	3280	13.18	13.18
753175.3	986239.6	2770	15.08	15.08	753695.3	986245.9	3290	12.97	12.97
753185.3	986239.8	2780	15.05	15.05	753705.3	986246.1	3300	12.88	12.88
753195.3	986239.9	2790	15.05	15.05	753715.3	986246.2	3310	13.12	13.12
753205.3	986239.9	2800	14.68	14.68	753725.3	986246.3	3320	12.94	12.94
753215.3	986240.1	2810	15.05	15.05	753735.3	986246.4	3330	13.03	13.03
753225.3	986240.2	2820	15.08	15.08	753745.3	986246.6	3340	13.28	13.28
753235.3	986240.3	2830	14.56	14.56	753755.3	986246.7	3350	13.18	13.18
753245.3	986240.4	2840	15.08	15.08	753765.3	986246.8	3360	13.40	13.40
753255.3	986240.6	2850	14.43	14.43	753775.3	986246.9	3370	13.06	13.06
753265.3	986240.7	2860	14.53	14.53	753785.3	986247.1	3380	12.94	12.94

Easting	Northing	Station	Conduct.	In-Phase
753795.3	986247.2	3390	12.82	12.82
753805.3	986247.3	3400	12.79	12.79
753815.3	986247.4	3410	12.54	12.54
753825.3	986247.6	3420	12.60	12.60
753835.3	986247.7	3430	12.27	12.27
753845.3	986247.8	3440	12.24	12.24
753855.3	986247.9	3450	12.30	12.30
753865.3	986248	3460	11.93	11.93
753875.3	986248.1	3470	11.75	11.75
753885.3	986248.3	3480	11.96	11.96
753895.3	986248.4	3490	11.93	11.93
753905.3	986248.5	3500	11.75	11.75
753915.3	986248.6	3510	11.63	11.63
753925.3	986248.8	3520	11.84	11.84
753935.3	986248.9	3530	11.72	11.72
753945.3	986249	3540	12.08	12.08
753955.3	986249.1	3550	11.93	11.93
753965.3	986249.3	3560	12.45	12.45
753975.3	986249.4	3570	12.39	12.39
753985.3	986249.5	3580	12.70	12.70
753995.3	986249.6	3590	12.82	12.82
754005.3	986249.8	3600	13.55	13.55
754015.3	986249.9	3610	13.52	13.52
754025.3	986250	3620	13.70	13.70
754035.3	986250.1	3630	13.85	13.85
754045.3	986250.3	3640	14.43	14.43
754055.3	986250.4	3650	13.98	13.98
754065.2	986250.5	3660	13.98	13.98
754075.2	986250.6	3670	13.79	13.79
754085.2	986250.7	3680	13.76	13.76
754095.2	986250.8	3690	13.28	13.28
754105.2	986250.9	3700	13.46	13.46
754115.2	986251.1	3710	13.31	13.31
754125.2	986251.2	3720	13.49	13.49
754135.2	986251.3	3730	13.40	13.40
754145.2	986251.4	3740	13.55	13.55
754155.2	986251.6	3750	13.24	13.24
754165.2	986251.7	3760	13.70	13.70
754175.2	986251.8	3770	13.67	13.67
754185.2	986251.9	3780	13.98	13.98
754195.2	986252.1	3790	13.82	13.82
754205.2	986252.2	3800	14.07	14.07
754215.2	986252.3	3810	14.56	14.56
754225.2	986252.4	3820	14.53	14.53
754235.2	986252.6	3830	15.26	15.26
754245.2	986252.7	3840	16.51	16.51
LINE 23				
751304.1	986166.8	900	13.46	13.46
751314.1	986166.9	910	13.40	13.40
751324.1	986167	920	13.43	13.43
751334.1	986167.1	930	12.08	12.08
751344.1	986167.3	940	14.01	14.01
751354.1	986167.4	950	12.94	12.94
751364.1	986167.5	960	13.64	13.64
751374.1	986167.6	970	13.40	13.40
751384.1	986167.7	980	13.61	13.61
751394.1	986167.8	990	14.40	14.40
751404.1	986167.9	1000	13.82	13.82
751414.1	986168.1	1010	14.04	14.04
751424.1	986168.2	1020	14.77	14.77
751434.1	986168.3	1030	14.98	14.98
751444.1	986168.4	1040	14.77	14.77
751454.1	986168.6	1050	17.88	17.88
751464.1	986168.7	1060	18.31	18.31
751474.1	986168.8	1070	17.97	17.97
751484.1	986168.9	1080	22.40	22.40
751494.1	986169.1	1090	21.42	21.42
751504.1	986169.2	1100	22.95	22.95
751514.1	986169.3	1110	23.47	23.47
751524.1	986169.4	1120	24.93	24.93
751534.1	986169.6	1130	26.21	26.21
751754.1	986172.3	1350	41.35	41.35
751764.1	986172.4	1360	24.93	24.93
751774.1	986172.5	1370	17.73	17.73
751784.1	986172.6	1380	15.87	15.87
751794.1	986172.8	1390	16.11	16.11
751804.1	986172.9	1400	14.34	14.34
751814.1	986172.9	1410	14.86	14.86
751824.1	986173.1	1420	14.80	14.80
751834.1	986173.2	1430	14.47	14.47
751844.1	986173.3	1440	15.01	15.01
751854.1	986173.4	1450	14.65	14.65
751864.1	986173.6	1460	14.40	14.40
751874.1	986173.7	1470	14.34	14.34
751884.1	986173.8	1480	13.89	13.89
751894.1	986173.9	1490	13.73	13.73
751904.1	986174.1	1500	13.95	13.95
751914.1	986174.2	1510	13.85	13.85
751924.1	986174.3	1520	13.64	13.64
751934.1	986174.4	1530	12.97	12.97
751944.1	986174.6	1540	13.18	13.18
751954.1	986174.7	1550	12.51	12.51
751964.1	986174.8	1560	13.15	13.15
751974.1	986174.9	1570	13.43	13.43
751984.1	986175.1	1580	13.21	13.21
751994.1	986175.2	1590	13.15	13.15
752004.1	986175.3	1600	13.46	13.46
752014.1	986175.4	1610	14.01	14.01
752024.1	986175.6	1620	13.21	13.21
752034.1	986175.6	1630	13.40	13.40
752044.1	986175.8	1640	12.73	12.73
752054.1	986175.9	1650	12.39	12.39

Easting	Northing	Station	Conduct.	In-Phase
752064.1	986176	1660	12.85	12.85
752074.1	986176.1	1670	12.97	12.97
752084.1	986176.3	1680	12.76	12.76
752094.1	986176.4	1690	12.76	12.76
752104.1	986176.5	1700	12.70	12.70
752114.1	986176.6	1710	12.63	12.63
752124.1	986176.8	1720	12.63	12.63
752134.1	986176.9	1730	12.91	12.91
752144.1	986177	1740	12.79	12.79
752154.1	986177.1	1750	13.00	13.00
752164.1	986177.3	1760	12.94	12.94
752174.1	986177.4	1770	13.61	13.61
752184.1	986177.5	1780	13.61	13.61
752194.1	986177.6	1790	13.82	13.82
752204.1	986177.8	1800	14.01	14.01
752214.1	986177.9	1810	13.70	13.70
752224.1	986178	1820	14.22	14.22
752234.1	986178.1	1830	14.34	14.34
752244.1	986178.3	1840	14.74	14.74
752254.1	986178.3	1850	14.98	14.98
752264.1	986178.4	1860	16.11	16.11
752274.1	986178.6	1870	16.88	16.88
752284.1	986178.7	1880	19.93	19.93
752294.1	986178.8	1890	27.59	27.59
752304.1	986178.9	1900	64.33	64.33
752314.1	986179.1	1910	-53.22	53.22
752324.1	986179.2	1920	-30.12	-30.12
752334.1	986179.3	1930	41.35	41.35
752344.1	986179.4	1940	24.99	24.99
752354.1	986179.6	1950	18.19	18.19
752364.1	986179.7	1960	15.75	15.75
752374.1	986179.8	1970	13.95	13.95
752384.1	986179.9	1980	13.79	13.79
752394.1	986180.1	1990	12.66	12.66
752404.1	986180.2	2000	13.28	13.28
752414.1	986180.3	2010	12.76	12.76
752424.1	986180.4	2020	12.82	12.82
752434.1	986180.6	2030	12.54	12.54
752444.1	986180.7	2040	12.54	12.54
752454.1	986180.8	2050	11.90	11.90
752464.1	986180.9	2060	12.33	12.33
752474.1	986181	2070	12.73	12.73
752484.1	986181.1	2080	12.60	12.60
752494.1	986181.3	2090	13.03	13.03
752504.1	986181.4	2100	13.64	13.64
752514.1	986181.5	2110	12.88	12.88
752524.1	986181.6	2120	13.49	13.49
752534.1	986181.8	2130	13.37	13.37
752544.1	986181.9	2140	13.55	13.55
752554.1	986182	2150	13.40	13.40
752564.1	986182.1	2160	13.82	13.82
752574.1	986182.3	2170	13.64	13.64
752584.1	986182.4	2180	13.55	13.55
752594.1	986182.5	2190	14.43	14.43
752604.1	986182.6	2200	13.58	13.58
752614.1	986182.8	2210	14.40	14.40
752624.1	986182.9	2220	14.04	14.04
752634.1	986183	2230	14.98	14.98
752644.1	986183.1	2240	15.01	15.01
752654.1	986183.3	2250	15.08	15.08
752664.1	986183.4	2260	14.74	14.74
752674.1	986183.5	2270	14.77	14.77
752684.1	986183.6	2280	14.53	14.53
752694.1	986183.7	2290	12.60	12.60
752704	986183.8	2300	16.82	16.82
752714	986183.9	2310	16.11	16.11
752724	986184.1	2320	14.22	14.22
752734	986184.2	2330	13.40	13.40
752744	986184.3	2340	13.21	13.21
752754	986184.4	2350	12.66	12.66
752764	986184.6	2360	12.79	12.79
752774	986184.7	2370	12.82	12.82
752784	986184.8	2380	13.15	13.15
752794	986184.9	2390	13.06	13.06
752804	986185.1	2400	13.18	13.18
752814	986185.2	2410	13.37	13.37
752824	986185.3	2420	14.10	14.10
752834	986185.4	2430	13.98	13.98
752844	986185.6	2440	13.34	13.34
752854	986185.7	2450	13.89	13.89
752864	986185.8	2460	14.68	14.68
752874	986185.9	2470	14.83	14.83
752884	986186.1	2480	15.05	15.05
752894	986186.2	2490	15.01	15.01
752904	986186.3	2500	15.14	15.14
752914	986186.4	2510	15.93	15.93
752924	986186.5	2520	15.84	15.84
752934	986186.6	2530	15.84	15.84
752944	986186.8	2540	16.05	16.05
752954	986186.9	2550	16.51	16.51
752964	986187	2560	16.48	16.48
752974	986187.1	2570	16.11	16.11
752984	986187.3	2580	16.30	16.30
752994	986187.4	2590	16.30	16.30
753004	986187.5	2600	16.11	16.11
753014	986187.6	2610	16.05	16.05
753024	986187.8	2620	15.81	15.81
753034	986187.9	2630	15.35	15.35
753044	986188	2640	15.93	15.93
753054	986188.1	2650	15.08	15.08
753064	986188.3	2660	15.29	15.29
753074	986188.4	2670	15.26	15.26

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
753084	986188.5	2680	15.14	15.14	753613.9	986194.9	3210	14.43	14.43
753094	986188.6	2690	15.29	15.29	753623.9	986195.1	3220	14.28	14.28
753104	986188.8	2700	15.26	15.26	753633.9	986195.2	3230	13.92	13.92
753114	986188.9	2710	15.14	15.14	753643.9	986195.3	3240	13.34	13.34
753124	986189	2720	15.08	15.08	753653.9	986195.4	3250	13.15	13.15
753134	986189.1	2730	15.41	15.41	753663.9	986195.6	3260	13.43	13.43
753144	986189.2	2740	15.50	15.50	753673.9	986195.7	3270	13.49	13.49
753154	986189.3	2750	15.93	15.93	753683.9	986195.8	3280	13.52	13.52
753164	986189.4	2760	17.06	17.06	753693.9	986195.9	3290	13.37	13.37
753174	986189.6	2770	16.48	16.48	753703.9	986196.1	3300	13.24	13.24
753184	986189.7	2780	15.93	15.93	753713.9	986196.2	3310	13.06	13.06
753194	986189.8	2790	15.56	15.56	753723.9	986196.3	3320	13.18	13.18
753204	986189.9	2800	15.50	15.50	753733.9	986196.4	3330	13.00	13.00
753214	986190.1	2810	15.72	15.72	753743.9	986196.6	3340	12.88	12.88
753224	986190.2	2820	15.96	15.96	753753.9	986196.7	3350	12.91	12.91
753234	986190.3	2830	15.66	15.66	753763.9	986196.8	3360	13.09	13.09
753244	986190.4	2840	15.01	15.01	753773.9	986196.9	3370	12.85	12.85
753254	986190.6	2850	15.41	15.41	753783.9	986197.1	3380	12.54	12.54
753264	986190.7	2860	15.35	15.35	753793.9	986197.1	3390	12.42	12.42
753274	986190.8	2870	15.38	15.38	753803.9	986197.3	3400	12.27	12.27
753284	986190.9	2880	17.27	17.27	753813.9	986197.4	3410	12.51	12.51
753294	986191.1	2890	19.32	19.32	753823.9	986197.5	3420	12.54	12.54
753304	986191.2	2900	15.75	15.75	753833.9	986197.6	3430	12.63	12.63
753314	986191.3	2910	14.07	14.07	753843.9	986197.8	3440	12.76	12.76
753324	986191.4	2920	15.01	15.01	753853.9	986197.9	3450	12.88	12.88
753334	986191.6	2930	14.80	14.80	753863.9	986198	3460	13.00	13.00
753344	986191.7	2940	17.03	17.03	753873.9	986198.1	3470	13.09	13.09
753354	986191.8	2950	17.30	17.30	753883.9	986198.3	3480	13.12	13.12
753364	986191.9	2960	16.42	16.42	753893.9	986198.4	3490	13.15	13.15
753374	986192	2970	15.05	15.05	753903.9	986198.5	3500	13.00	13.00
753384	986192.1	2980	14.53	14.53	753913.9	986198.6	3510	12.73	12.73
753394	986192.3	2990	15.41	15.41	753923.9	986198.8	3520	12.54	12.54
753404	986192.4	3000	15.08	15.08	753933.9	986198.9	3530	12.60	12.60
753414	986192.5	3010	15.17	15.17	753943.9	986199	3540	12.73	12.73
753424	986192.6	3020	14.16	14.16	753953.9	986199.1	3550	12.94	12.94
753434	986192.8	3030	14.28	14.28	753963.9	986199.3	3560	12.82	12.82
753444	986192.9	3040	15.08	15.08	753973.9	986199.4	3570	13.00	13.00
753454	986193	3050	16.05	16.05	753983.9	986199.5	3580	13.18	13.18
753464	986193.1	3060	16.20	16.20	753993.9	986199.6	3590	13.18	13.18
753474	986193.3	3070	19.50	19.50	754003.9	986199.8	3600	13.15	13.15
753504	986193.6	3100	303.56	3.56	754013.9	986199.9	3610	13.28	13.28
753514	986193.8	3110	30.18	30.18	754023.9	986199.9	3620	13.18	13.18
753524	986193.9	3120	20.02	20.02	754033.9	986200.1	3630	13.24	13.24
753534	986194	3130	17.67	17.67	754043.9	986200.2	3640	13.15	13.15
753543.9	986194.1	3140	16.48	16.48	754053.9	986200.3	3650	12.94	12.94
753553.9	986194.3	3150	17.40	17.40	754063.9	986200.4	3660	13.15	13.15
753563.9	986194.4	3160	14.53	14.53	754073.9	986200.6	3670	12.88	12.88
753573.9	986194.4	3170	16.42	16.42	754083.9	986200.7	3680	12.85	12.85
753583.9	986194.6	3180	15.59	15.59	754093.9	986200.8	3690	12.76	12.76
753593.9	986194.7	3190	14.83	14.83	754103.9	986200.9	3700	13.03	13.03
753603.9	986194.8	3200	14.95	14.95	754113.9	986201.1	3710	12.60	12.60

Easting	Northing	Station	Conduct.	In-Phase
754123.9	986201.2	3720	12.82	12.82
754133.9	986201.3	3730	12.66	12.66
754143.9	986201.4	3740	12.51	12.51
754153.9	986201.6	3750	13.00	13.00
754163.9	986201.7	3760	12.66	12.66
754173.9	986201.8	3770	13.00	13.00
754183.9	986201.9	3780	13.18	13.18
754193.9	986202.1	3790	13.52	13.52
754203.9	986202.2	3800	13.49	13.49
754213.9	986202.3	3810	14.25	14.25
754223.9	986202.4	3820	14.86	14.86
754233.9	986202.6	3830	15.47	15.47
754243.9	986202.6	3840	16.75	16.75
754253.9	986202.8	3850	16.63	16.63
LINE 24				
751352.8	986117.3	950	13.06	13.06
751362.8	986117.4	960	12.97	12.97
751372.8	986117.6	970	13.31	13.31
751382.8	986117.7	980	12.27	12.27
751392.8	986117.8	990	12.73	12.73
751402.8	986117.9	1000	14.19	14.19
751412.8	986118.1	1010	14.07	14.07
751422.8	986118.2	1020	13.31	13.31
751432.8	986118.3	1030	13.58	13.58
751442.8	986118.4	1040	13.52	13.52
751452.8	986118.6	1050	15.59	15.59
751462.8	986118.7	1060	18.01	18.01
751472.8	986118.8	1070	16.48	16.48
751482.8	986118.9	1080	2.08	2.08
751492.8	986119.1	1090	-5.58	-5.58
751502.8	986119.2	1100	-1.50	-1.50
751512.8	986119.3	1110	30.61	30.61
751522.8	986119.4	1120	28.32	28.32
751532.8	986119.5	1130	28.81	28.81
751752.8	986122.2	1350	16.11	16.11
751762.8	986122.3	1360	15.44	15.44
751772.8	986122.4	1370	15.72	15.72
751782.8	986122.6	1380	14.01	14.01
751792.8	986122.7	1390	13.85	13.85
751802.8	986122.8	1400	14.10	14.10
751812.8	986122.9	1410	14.37	14.37
751822.8	986123.1	1420	14.50	14.50
751832.8	986123.2	1430	14.34	14.34
751842.8	986123.3	1440	14.37	14.37
751852.8	986123.4	1450	13.64	13.64
751862.8	986123.6	1460	13.49	13.49
751872.8	986123.7	1470	13.58	13.58
751882.8	986123.8	1480	13.37	13.37
751892.8	986123.9	1490	13.15	13.15
751902.8	986124.1	1500	13.37	13.37
751912.8	986124.2	1510	13.12	13.12

Easting	Northing	Station	Conduct.	In-Phase
751922.8	986124.3	1520	13.09	13.09
751932.8	986124.4	1530	12.85	12.85
751942.8	986124.6	1540	12.33	12.33
751952.8	986124.7	1550	12.42	12.42
751962.8	986124.8	1560	12.91	12.91
751972.8	986124.9	1570	13.09	13.09
751982.8	986125	1580	13.15	13.15
751992.8	986125.1	1590	12.63	12.63
752002.8	986125.3	1600	12.88	12.88
752012.8	986125.4	1610	12.70	12.70
752022.8	986125.5	1620	12.85	12.85
752032.8	986125.6	1630	12.91	12.91
752042.8	986125.8	1640	12.79	12.79
752052.8	986125.9	1650	12.97	12.97
752062.8	986126	1660	12.79	12.79
752072.8	986126.1	1670	13.09	13.09
752082.8	986126.3	1680	12.97	12.97
752092.8	986126.4	1690	12.91	12.91
752102.8	986126.5	1700	13.21	13.21
752112.8	986126.6	1710	12.91	12.91
752122.8	986126.8	1720	12.94	12.94
752132.8	986126.9	1730	12.97	12.97
752142.8	986127	1740	13.24	13.24
752152.8	986127.1	1750	13.03	13.03
752162.8	986127.3	1760	13.55	13.55
752172.8	986127.4	1770	13.55	13.55
752182.8	986127.4	1780	13.52	13.52
752192.8	986127.6	1790	13.85	13.85
752202.8	986127.7	1800	13.82	13.82
752212.8	986127.8	1810	14.07	14.07
752222.8	986127.9	1820	14.40	14.40
752232.8	986128.1	1830	14.31	14.31
752242.8	986128.2	1840	14.31	14.31
752252.8	986128.3	1850	14.31	14.31
752262.8	986128.4	1860	14.50	14.50
752272.8	986128.6	1870	14.47	14.47
752282.8	986128.7	1880	14.86	14.86
752292.8	986128.8	1890	15.35	15.35
752302.8	986128.9	1900	15.84	15.84
752312.8	986129.1	1910	16.88	16.88
752322.8	986129.2	1920	20.63	20.63
752332.8	986129.3	1930	26.15	26.15
752342.8	986129.4	1940	-0.21	-0.21
752352.8	986129.6	1950	-5.58	-5.58
752362.8	986129.7	1960	22.13	22.13
752372.8	986129.8	1970	14.40	14.40
752382.8	986129.9	1980	12.36	12.36
752392.8	986130.1	1990	13.03	13.03
752402.8	986130.1	2000	12.82	12.82
752412.8	986130.3	2010	13.89	13.89
752422.8	986130.4	2020	12.54	12.54

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752432.8	986130.5	2030	12.76	12.76	752942.8	986136.8	2540	18.77	18.77
752442.8	986130.6	2040	12.97	12.97	752952.8	986136.9	2550	18.89	18.89
752452.8	986130.8	2050	13.18	13.18	752962.8	986137	2560	18.98	18.98
752462.8	986130.9	2060	12.60	12.60	752972.8	986137.1	2570	18.28	18.28
752472.8	986131	2070	12.54	12.54	752982.8	986137.3	2580	17.85	17.85
752482.8	986131.1	2080	12.66	12.66	752992.8	986137.4	2590	17.94	17.94
752492.8	986131.3	2090	12.57	12.57	753002.8	986137.5	2600	18.13	18.13
752502.8	986131.4	2100	12.48	12.48	753012.8	986137.6	2610	17.88	17.88
752512.8	986131.5	2110	12.36	12.36	753022.7	986137.8	2620	17.40	17.40
752522.8	986131.6	2120	12.21	12.21	753032.7	986137.9	2630	17.24	17.24
752532.8	986131.8	2130	11.99	11.99	753042.7	986138	2640	16.97	16.97
752542.8	986131.9	2140	12.05	12.05	753052.7	986138.1	2650	16.54	16.54
752552.8	986132	2150	12.21	12.21	753062.7	986138.2	2660	16.75	16.75
752562.8	986132.1	2160	11.81	11.81	753072.7	986138.3	2670	15.96	15.96
752572.8	986132.3	2170	11.87	11.87	753082.7	986138.4	2680	15.96	15.96
752582.8	986132.4	2180	11.93	11.93	753092.7	986138.6	2690	16.05	16.05
752592.8	986132.5	2190	12.18	12.18	753102.7	986138.7	2700	15.93	15.93
752602.8	986132.6	2200	12.60	12.60	753112.7	986138.8	2710	15.53	15.53
752612.8	986132.8	2210	12.45	12.45	753122.7	986138.9	2720	15.69	15.69
752622.8	986132.8	2220	12.66	12.66	753132.7	986139.1	2730	14.92	14.92
752632.8	986132.9	2230	12.48	12.48	753142.7	986139.2	2740	15.38	15.38
752642.8	986133.1	2240	11.99	11.99	753152.7	986139.3	2750	15.26	15.26
752652.8	986133.2	2250	12.02	12.02	753162.7	986139.4	2760	15.56	15.56
752662.8	986133.3	2260	11.63	11.63	753172.7	986139.6	2770	15.23	15.23
752672.8	986133.4	2270	11.93	11.93	753182.7	986139.7	2780	15.23	15.23
752682.8	986133.6	2280	11.90	11.90	753192.7	986139.8	2790	15.62	15.62
752692.8	986133.7	2290	11.63	11.63	753202.7	986139.9	2800	15.50	15.50
752702.8	986133.8	2300	12.21	12.21	753212.7	986140.1	2810	15.38	15.38
752712.8	986133.9	2310	11.99	11.99	753222.7	986140.2	2820	15.44	15.44
752722.8	986134.1	2320	12.18	12.18	753232.7	986140.3	2830	15.75	15.75
752732.8	986134.2	2330	12.08	12.08	753242.7	986140.4	2840	15.17	15.17
752742.8	986134.3	2340	12.08	12.08	753252.7	986140.6	2850	15.11	15.11
752752.8	986134.4	2350	12.27	12.27	753262.7	986140.7	2860	14.77	14.77
752762.8	986134.6	2360	12.18	12.18	753272.7	986140.8	2870	14.80	14.80
752772.8	986134.7	2370	13.12	13.12	753282.7	986140.9	2880	14.74	14.74
752782.8	986134.8	2380	12.51	12.51	753292.7	986141	2890	14.50	14.50
752792.8	986134.9	2390	12.82	12.82	753302.7	986141.1	2900	14.19	14.19
752802.8	986135.1	2400	13.03	13.03	753312.7	986141.3	2910	14.34	14.34
752812.8	986135.2	2410	13.24	13.24	753322.7	986141.4	2920	14.13	14.13
752822.8	986135.3	2420	13.28	13.28	753332.7	986141.5	2930	14.47	14.47
752832.8	986135.4	2430	12.54	12.54	753342.7	986141.6	2940	14.04	14.04
752842.8	986135.5	2440	13.15	13.15	753352.7	986141.8	2950	14.34	14.34
752852.8	986135.6	2450	12.91	12.91	753362.7	986141.9	2960	14.25	14.25
752862.8	986135.8	2460	13.31	13.31	753372.7	986142	2970	14.37	14.37
752872.8	986135.9	2470	13.76	13.76	753382.7	986142.1	2980	14.01	14.01
752882.8	986136	2480	14.31	14.31	753392.7	986142.3	2990	14.53	14.53
752892.8	986136.1	2490	14.68	14.68	753402.7	986142.4	3000	14.07	14.07
752902.8	986136.3	2500	15.20	15.20	753412.7	986142.5	3010	14.56	14.56
752912.8	986136.4	2510	16.24	16.24	753422.7	986142.6	3020	14.65	14.65
752922.8	986136.5	2520	16.33	16.33	753432.7	986142.8	3030	15.26	15.26
752932.8	986136.6	2530	17.15	17.15	753442.7	986142.9	3040	15.38	15.38

Easting	Northing	Station	Conduct.	In-Phase
753452.7	986143	3050	16.30	16.30
753462.7	986143.1	3060	19.81	19.81
753472.7	986143.3	3070	22.28	22.28
753502.7	986143.6	3100	152.92	52.92
753512.7	986143.7	3110	65.83	65.83
753522.7	986143.8	3120	26.34	26.34
753532.7	986143.9	3130	22.37	22.37
753542.7	986144.1	3140	18.83	18.83
753552.7	986144.2	3150	17.85	17.85
753562.7	986144.3	3160	16.66	16.66
753572.7	986144.4	3170	16.72	16.72
753582.7	986144.6	3180	16.39	16.39
753592.7	986144.7	3190	16.11	16.11
753602.7	986144.8	3200	15.90	15.90
753612.7	986144.9	3210	16.02	16.02
753622.7	986145.1	3220	15.62	15.62
753632.7	986145.2	3230	15.41	15.41
753642.7	986145.3	3240	15.14	15.14
753652.7	986145.4	3250	14.65	14.65
753662.7	986145.6	3260	13.92	13.92
753672.7	986145.7	3270	14.10	14.10
753682.7	986145.8	3280	13.98	13.98
753692.7	986145.9	3290	13.89	13.89
753702.7	986146.1	3300	13.76	13.76
753712.7	986146.2	3310	13.58	13.58
753722.7	986146.3	3320	13.73	13.73
753732.7	986146.4	3330	13.46	13.46
753742.7	986146.5	3340	13.40	13.40
753752.7	986146.6	3350	13.43	13.43
753762.7	986146.8	3360	13.18	13.18
753772.7	986146.9	3370	13.61	13.61
753782.7	986147	3380	13.09	13.09
753792.7	986147.1	3390	13.24	13.24
753802.7	986147.3	3400	13.15	13.15
753812.7	986147.4	3410	13.03	13.03
753822.7	986147.5	3420	13.21	13.21
753832.7	986147.6	3430	12.94	12.94
753842.7	986147.8	3440	12.66	12.66
753852.7	986147.9	3450	12.66	12.66
753862.6	986148	3460	12.54	12.54
753872.6	986148.1	3470	12.15	12.15
753882.6	986148.3	3480	11.93	11.93
753892.6	986148.4	3490	11.87	11.87
753902.6	986148.5	3500	11.44	11.44
753912.6	986148.6	3510	11.69	11.69
753922.6	986148.8	3520	11.14	11.14
753932.6	986148.9	3530	11.38	11.38
753942.6	986148.9	3540	11.29	11.29
753952.6	986149.1	3550	11.32	11.32
753962.6	986149.2	3560	11.47	11.47
753972.6	986149.3	3570	11.41	11.41

Easting	Northing	Station	Conduct.	In-Phase
753982.6	986149.4	3580	11.63	11.63
753992.6	986149.6	3590	12.02	12.02
754002.6	986149.7	3600	12.15	12.15
754012.6	986149.8	3610	11.96	11.96
754022.6	986149.9	3620	12.36	12.36
754032.6	986150.1	3630	11.93	11.93
754042.6	986150.2	3640	11.93	11.93
754052.6	986150.3	3650	11.66	11.66
754062.6	986150.4	3660	11.57	11.57
754072.6	986150.6	3670	11.69	11.69
754082.6	986150.7	3680	11.93	11.93
754092.6	986150.8	3690	11.93	11.93
754102.6	986150.9	3700	12.27	12.27
754112.6	986151.1	3710	12.88	12.88
754122.6	986151.2	3720	12.94	12.94
754132.6	986151.3	3730	12.82	12.82
754142.6	986151.4	3740	12.94	12.94
754152.6	986151.6	3750	13.15	13.15
754162.6	986151.7	3760	13.31	13.31
754172.6	986151.8	3770	13.40	13.40
754182.6	986151.9	3780	13.40	13.40
754192.6	986152	3790	13.92	13.92
754202.6	986152.1	3800	13.85	13.85
754212.6	986152.3	3810	14.01	14.01
754222.6	986152.4	3820	13.92	13.92
754232.6	986152.5	3830	14.53	14.53
754242.6	986152.6	3840	14.98	14.98
754252.6	986152.8	3850	15.05	15.05
754262.6	986152.9	3860	15.69	15.69
754272.6	986153	3870	16.57	16.57
LINE 25				
751341.6	986067.2	940	11.44	11.44
751351.6	986067.3	950	11.35	11.35
751361.6	986067.4	960	11.54	11.54
751371.6	986067.6	970	11.69	11.69
751381.6	986067.7	980	12.30	12.30
751391.6	986067.8	990	12.36	12.36
751401.6	986067.9	1000	13.00	13.00
751411.6	986068.1	1010	14.07	14.07
751421.6	986068.2	1020	14.62	14.62
751431.6	986068.3	1030	14.31	14.31
751441.6	986068.4	1040	16.91	16.91
751451.6	986068.5	1050	18.07	18.07
751461.6	986068.6	1060	19.65	19.65
751471.6	986068.8	1070	20.54	20.54
751481.6	986068.9	1080	21.91	21.91
751491.6	986069	1090	19.59	19.59
751501.6	986069.1	1100	22.16	22.16
751511.6	986069.3	1110	23.41	23.41
751521.6	986069.4	1120	33.02	33.02
751531.6	986069.5	1130	53.01	53.01

Easting	Northing	Station	Conduct.	In-Phase
751751.5	986072.2	1350	16.66	16.66
751761.5	986072.3	1360	15.20	15.20
751771.5	986072.4	1370	14.56	14.56
751781.5	986072.6	1380	14.83	14.83
751791.5	986072.7	1390	13.85	13.85
751801.5	986072.8	1400	13.73	13.73
751811.5	986072.9	1410	14.37	14.37
751821.5	986073.1	1420	14.28	14.28
751831.5	986073.2	1430	14.68	14.68
751841.5	986073.3	1440	14.53	14.53
751851.5	986073.4	1450	14.31	14.31
751861.5	986073.6	1460	13.98	13.98
751871.5	986073.7	1470	14.25	14.25
751881.5	986073.8	1480	13.95	13.95
751891.5	986073.9	1490	14.04	14.04
751901.5	986074	1500	14.07	14.07
751911.5	986074.1	1510	13.40	13.40
751921.5	986074.3	1520	12.85	12.85
751931.5	986074.4	1530	12.97	12.97
751941.5	986074.5	1540	13.18	13.18
751951.5	986074.6	1550	13.49	13.49
751961.5	986074.8	1560	13.40	13.40
751971.5	986074.9	1570	13.43	13.43
751981.5	986075	1580	13.21	13.21
751991.5	986075.1	1590	13.09	13.09
752001.5	986075.3	1600	13.00	13.00
752011.5	986075.4	1610	13.18	13.18
752021.5	986075.5	1620	12.82	12.82
752031.5	986075.6	1630	12.88	12.88
752041.5	986075.8	1640	12.85	12.85
752051.5	986075.9	1650	13.15	13.15
752061.5	986076	1660	12.82	12.82
752071.5	986076.1	1670	12.97	12.97
752081.5	986076.3	1680	12.63	12.63
752091.5	986076.4	1690	12.85	12.85
752101.5	986076.5	1700	12.57	12.57
752111.5	986076.6	1710	12.24	12.24
752121.5	986076.7	1720	12.39	12.39
752131.5	986076.8	1730	12.30	12.30
752141.5	986076.9	1740	12.57	12.57
752151.5	986077.1	1750	12.73	12.73
752161.5	986077.2	1760	12.60	12.60
752171.5	986077.3	1770	12.63	12.63
752181.5	986077.4	1780	12.73	12.73
752191.5	986077.6	1790	12.91	12.91
752201.5	986077.7	1800	13.09	13.09
752211.5	986077.8	1810	13.24	13.24
752221.5	986077.9	1820	13.18	13.18
752231.5	986078.1	1830	13.21	13.21
752241.5	986078.2	1840	13.73	13.73
752251.5	986078.3	1850	13.64	13.64

Easting	Northing	Station	Conduct.	In-Phase
752261.5	986078.4	1860	13.64	13.64
752271.5	986078.6	1870	13.79	13.79
752281.5	986078.7	1880	13.76	13.76
752291.5	986078.8	1890	13.95	13.95
752301.5	986078.9	1900	13.43	13.43
752311.5	986079.1	1910	14.16	14.16
752321.5	986079.2	1920	14.22	14.22
752331.5	986079.3	1930	14.04	14.04
752341.5	986079.4	1940	13.92	13.92
752351.5	986079.5	1950	13.58	13.58
752361.5	986079.6	1960	13.73	13.73
752371.5	986079.8	1970	13.15	13.15
752381.5	986079.9	1980	14.07	14.07
752391.5	986080	1990	16.36	16.36
752401.5	986080.1	2000	3.08	3.08
752411.5	986080.3	2010	-10.50	10.50
752421.5	986080.4	2020	13.15	13.15
752431.5	986080.5	2030	20.11	20.11
752441.5	986080.6	2040	16.11	16.11
752451.5	986080.8	2050	14.62	14.62
752461.5	986080.9	2060	13.82	13.82
752471.5	986081	2070	13.37	13.37
752481.5	986081.1	2080	13.34	13.34
752491.4	986081.3	2090	12.88	12.88
752501.4	986081.4	2100	12.60	12.60
752511.4	986081.5	2110	12.63	12.63
752521.4	986081.6	2120	12.36	12.36
752531.4	986081.8	2130	12.15	12.15
752541.4	986081.9	2140	12.24	12.24
752551.4	986081.9	2150	12.36	12.36
752561.4	986082.1	2160	12.08	12.08
752571.4	986082.2	2170	11.93	11.93
752581.4	986082.3	2180	11.81	11.81
752591.4	986082.4	2190	12.57	12.57
752601.4	986082.6	2200	12.30	12.30
752611.4	986082.7	2210	11.93	11.93
752621.4	986082.8	2220	11.66	11.66
752631.4	986082.9	2230	11.81	11.81
752641.4	986083.1	2240	11.75	11.75
752651.4	986083.2	2250	11.32	11.32
752661.4	986083.3	2260	11.20	11.20
752671.4	986083.4	2270	11.02	11.02
752681.4	986083.6	2280	10.89	10.89
752691.4	986083.7	2290	10.44	10.44
752701.4	986083.8	2300	11.17	11.17
752711.4	986083.9	2310	11.38	11.38
752721.4	986084.1	2320	10.74	10.74
752731.4	986084.2	2330	10.80	10.80
752741.4	986084.3	2340	10.65	10.65
752751.4	986084.4	2350	11.26	11.26
752761.4	986084.6	2360	11.51	11.51

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752771.4	986084.6	2370	11.14	11.14	753281.4	986090.9	2880	14.89	14.89
752781.4	986084.8	2380	11.87	11.87	753291.4	986091	2890	14.98	14.98
752791.4	986084.9	2390	11.72	11.72	753301.4	986091.1	2900	15.17	15.17
752801.4	986085	2400	11.69	11.69	753311.4	986091.3	2910	14.77	14.77
752811.4	986085.1	2410	12.54	12.54	753321.4	986091.4	2920	14.59	14.59
752821.4	986085.3	2420	12.18	12.18	753331.4	986091.5	2930	14.98	14.98
752831.4	986085.4	2430	12.88	12.88	753341.4	986091.6	2940	14.71	14.71
752841.4	986085.5	2440	13.58	13.58	753351.4	986091.8	2950	14.56	14.56
752851.4	986085.6	2450	12.91	12.91	753361.4	986091.9	2960	14.47	14.47
752861.4	986085.8	2460	13.67	13.67	753371.4	986092	2970	14.53	14.53
752871.4	986085.9	2470	13.73	13.73	753381.4	986092.1	2980	14.80	14.80
752881.4	986086	2480	13.82	13.82	753391.4	986092.3	2990	14.92	14.92
752891.4	986086.1	2490	13.82	13.82	753401.4	986092.4	3000	15.20	15.20
752901.4	986086.3	2500	13.92	13.92	753411.4	986092.5	3010	15.47	15.47
752911.4	986086.4	2510	13.95	13.95	753421.4	986092.6	3020	15.78	15.78
752921.4	986086.5	2520	14.68	14.68	753431.4	986092.8	3030	15.41	15.41
752931.4	986086.6	2530	15.41	15.41	753441.4	986092.8	3040	15.87	15.87
752941.4	986086.8	2540	15.20	15.20	753451.4	986092.9	3050	15.75	15.75
752951.4	986086.9	2550	17.82	17.82	753461.4	986093.1	3060	16.63	16.63
752961.4	986087	2560	18.28	18.28	753471.4	986093.2	3070	18.95	18.95
752971.4	986087.1	2570	19.04	19.04	753481.4	986093.3	3080	32.84	32.84
752981.4	986087.3	2580	18.92	18.92	753511.4	986093.7	3110	303.41	3.41
752991.4	986087.4	2590	19.23	19.23	753521.4	986093.8	3120	33.57	33.57
753001.4	986087.4	2600	18.68	18.68	753531.4	986093.9	3130	20.54	20.54
753011.4	986087.6	2610	18.98	18.98	753541.4	986094.1	3140	17.00	17.00
753021.4	986087.7	2620	19.01	19.01	753551.4	986094.2	3150	15.32	15.32
753031.4	986087.8	2630	17.73	17.73	753561.4	986094.3	3160	14.65	14.65
753041.4	986087.9	2640	18.16	18.16	753571.4	986094.4	3170	14.37	14.37
753051.4	986088.1	2650	17.91	17.91	753581.4	986094.6	3180	13.76	13.76
753061.4	986088.2	2660	18.19	18.19	753591.4	986094.7	3190	13.79	13.79
753071.4	986088.3	2670	17.64	17.64	753601.4	986094.8	3200	13.67	13.67
753081.4	986088.4	2680	17.76	17.76	753611.4	986094.9	3210	13.85	13.85
753091.4	986088.6	2690	17.55	17.55	753621.4	986095.1	3220	13.49	13.49
753101.4	986088.7	2700	17.21	17.21	753631.4	986095.2	3230	13.37	13.37
753111.4	986088.8	2710	16.45	16.45	753641.4	986095.3	3240	13.18	13.18
753121.4	986088.9	2720	16.51	16.51	753651.4	986095.4	3250	12.66	12.66
753131.4	986089.1	2730	16.27	16.27	753661.4	986095.5	3260	12.94	12.94
753141.4	986089.2	2740	15.66	15.66	753671.4	986095.6	3270	13.06	13.06
753151.4	986089.3	2750	15.93	15.93	753681.4	986095.8	3280	13.34	13.34
753161.4	986089.4	2760	15.44	15.44	753691.4	986095.9	3290	13.28	13.28
753171.4	986089.6	2770	15.56	15.56	753701.4	986096	3300	13.73	13.73
753181.4	986089.7	2780	15.01	15.01	753711.4	986096.1	3310	13.82	13.82
753191.4	986089.8	2790	14.98	14.98	753721.4	986096.3	3320	13.82	13.82
753201.4	986089.9	2800	15.29	15.29	753731.4	986096.4	3330	14.07	14.07
753211.4	986090.1	2810	15.32	15.32	753741.4	986096.5	3340	13.95	13.95
753221.4	986090.1	2820	15.11	15.11	753751.4	986096.6	3350	13.85	13.85
753231.4	986090.3	2830	14.31	14.31	753761.4	986096.8	3360	13.67	13.67
753241.4	986090.4	2840	14.95	14.95	753771.4	986096.9	3370	13.73	13.73
753251.4	986090.5	2850	14.83	14.83	753781.4	986097	3380	13.89	13.89
753261.4	986090.6	2860	14.74	14.74	753791.4	986097.1	3390	13.98	13.98
753271.4	986090.8	2870	14.53	14.53	753801.4	986097.3	3400	14.01	14.01

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
753811.4	986097.4	3410	13.61	13.61	751360.3	986017.4	960	11.02	11.02
753821.4	986097.5	3420	13.58	13.58	751370.3	986017.6	970	11.81	11.81
753831.4	986097.6	3430	13.12	13.12	751380.3	986017.6	980	11.26	11.26
753841.4	986097.8	3440	12.94	12.94	751390.3	986017.8	990	11.93	11.93
753851.4	986097.9	3450	12.66	12.66	751400.3	986017.9	1000	12.24	12.24
753861.4	986098	3460	12.85	12.85	751410.3	986018	1010	13.06	13.06
753871.4	986098.1	3470	12.33	12.33	751420.3	986018.1	1020	14.10	14.10
753881.4	986098.2	3480	12.15	12.15	751430.3	986018.3	1030	14.86	14.86
753891.4	986098.3	3490	11.99	11.99	751440.3	986018.4	1040	16.78	16.78
753901.4	986098.4	3500	12.24	12.24	751450.3	986018.5	1050	20.05	20.05
753911.4	986098.6	3510	11.72	11.72	751460.3	986018.6	1060	23.68	23.68
753921.4	986098.7	3520	11.72	11.72	751470.3	986018.8	1070	22.77	22.77
753931.4	986098.8	3530	11.90	11.90	751480.3	986018.9	1080	21.36	21.36
753941.4	986098.9	3540	11.72	11.72	751490.3	986019	1090	25.27	25.27
753951.4	986099.1	3550	12.08	12.08	751500.3	986019.1	1100	26.31	26.31
753961.4	986099.2	3560	12.08	12.08	751510.3	986019.3	1110	23.80	23.80
753971.4	986099.3	3570	12.15	12.15	751520.3	986019.4	1120	25.21	25.21
753981.4	986099.4	3580	12.51	12.51	751530.3	986019.5	1130	26.55	26.55
753991.4	986099.6	3590	12.63	12.63	751650.3	986020.9	1250	21.94	21.94
754001.4	986099.7	3600	12.51	12.51	751660.3	986021.1	1260	16.17	16.17
754011.4	986099.8	3610	12.60	12.60	751670.3	986021.2	1270	14.89	14.89
754021.4	986099.9	3620	12.42	12.42	751680.3	986021.3	1280	15.26	15.26
754031.4	986100.1	3630	12.45	12.45	751690.3	986021.4	1290	14.77	14.77
754041.4	986100.2	3640	12.12	12.12	751700.3	986021.6	1300	14.37	14.37
754051.4	986100.3	3650	12.27	12.27	751710.3	986021.7	1310	14.28	14.28
754061.4	986100.4	3660	11.90	11.90	751720.3	986021.8	1320	14.04	14.04
754071.4	986100.6	3670	11.90	11.90	751730.3	986021.9	1330	13.92	13.92
754081.4	986100.7	3680	12.08	12.08	751740.3	986022.1	1340	15.62	15.62
754091.4	986100.8	3690	11.90	11.90	751750.3	986022.2	1350	13.95	13.95
754101.4	986100.9	3700	12.05	12.05	751760.3	986022.3	1360	13.79	13.79
754111.4	986101	3710	12.30	12.30	751770.3	986022.4	1370	13.95	13.95
754121.4	986101.1	3720	12.51	12.51	751780.3	986022.6	1380	14.16	14.16
754131.4	986101.3	3730	12.70	12.70	751790.3	986022.7	1390	13.92	13.92
754141.4	986101.4	3740	12.73	12.73	751800.3	986022.8	1400	13.92	13.92
754151.4	986101.5	3750	12.97	12.97	751810.3	986022.9	1410	14.04	14.04
754161.3	986101.6	3760	13.24	13.24	751820.3	986023	1420	13.98	13.98
754171.3	986101.8	3770	12.97	12.97	751830.3	986023.1	1430	14.25	14.25
754181.3	986101.9	3780	13.34	13.34	751840.3	986023.3	1440	14.13	14.13
754191.3	986102	3790	13.52	13.52	751850.3	986023.4	1450	13.92	13.92
754201.3	986102.1	3800	13.70	13.70	751860.3	986023.5	1460	14.13	14.13
754211.3	986102.3	3810	14.16	14.16	751870.3	986023.6	1470	14.01	14.01
754221.3	986102.4	3820	14.34	14.34	751880.3	986023.8	1480	14.25	14.25
754231.3	986102.5	3830	14.71	14.71	751890.3	986023.9	1490	14.34	14.34
754241.3	986102.6	3840	15.26	15.26	751900.3	986024	1500	13.76	13.76
754251.3	986102.8	3850	16.85	16.85	751910.3	986024.1	1510	13.37	13.37
754261.3	986102.9	3860	17.36	17.36	751920.3	986024.3	1520	13.61	13.61
754271.3	986103	3870	17.64	17.64	751930.3	986024.4	1530	13.43	13.43
LINE 26					751940.3	986024.5	1540	13.76	13.76
751330.3	986017.1	930	11.02	11.02	751950.3	986024.6	1550	14.01	14.01
751340.3	986017.2	940	10.93	10.93	751960.3	986024.8	1560	13.21	13.21
751350.3	986017.3	950	10.93	10.93	751970.2	986024.9	1570	13.24	13.24

Easting	Northing	Station	Conduct.	In-Phase
751980.2	986025	1580	13.31	13.31
751990.2	986025.1	1590	13.40	13.40
752000.2	986025.3	1600	13.18	13.18
752010.2	986025.4	1610	13.12	13.12
752020.2	986025.5	1620	13.06	13.06
752030.2	986025.6	1630	13.24	13.24
752040.2	986025.7	1640	13.06	13.06
752050.2	986025.8	1650	12.76	12.76
752060.2	986025.9	1660	13.21	13.21
752070.2	986026.1	1670	13.15	13.15
752080.2	986026.2	1680	12.88	12.88
752090.2	986026.3	1690	12.97	12.97
752100.2	986026.4	1700	12.94	12.94
752110.2	986026.6	1710	12.82	12.82
752120.2	986026.7	1720	12.79	12.79
752130.2	986026.8	1730	12.30	12.30
752140.2	986026.9	1740	12.51	12.51
752150.2	986027.1	1750	12.57	12.57
752160.2	986027.2	1760	12.60	12.60
752170.2	986027.3	1770	12.57	12.57
752180.2	986027.4	1780	13.09	13.09
752190.2	986027.6	1790	13.40	13.40
752200.2	986027.7	1800	13.61	13.61
752210.2	986027.8	1810	14.22	14.22
752220.2	986027.9	1820	13.40	13.40
752230.2	986028.1	1830	13.49	13.49
752240.2	986028.2	1840	13.70	13.70
752250.2	986028.3	1850	13.85	13.85
752260.2	986028.4	1860	14.10	14.10
752270.2	986028.5	1870	13.73	13.73
752280.2	986028.6	1880	13.76	13.76
752290.2	986028.8	1890	14.28	14.28
752300.2	986028.9	1900	14.04	14.04
752310.2	986029	1910	14.01	14.01
752320.2	986029.1	1920	14.37	14.37
752330.2	986029.3	1930	13.64	13.64
752340.2	986029.4	1940	13.37	13.37
752350.2	986029.5	1950	13.37	13.37
752360.2	986029.6	1960	13.67	13.67
752370.2	986029.8	1970	13.18	13.18
752380.2	986029.9	1980	13.37	13.37
752390.2	986030	1990	13.73	13.73
752400.2	986030.1	2000	14.74	14.74
752410.2	986030.3	2010	16.36	16.36
752420.2	986030.4	2020	24.02	24.02
752430.2	986030.5	2030	22.49	22.49
752440.2	986030.6	2040	-41.75	41.75
752450.2	986030.8	2050	56.82	56.82
752460.2	986030.9	2060	26.03	26.03
752470.2	986031	2070	19.01	19.01
752480.2	986031.1	2080	15.62	15.62

Easting	Northing	Station	Conduct.	In-Phase
752490.2	986031.2	2090	14.34	14.34
752500.2	986031.3	2100	13.82	13.82
752510.2	986031.4	2110	13.37	13.37
752520.2	986031.6	2120	13.18	13.18
752530.2	986031.7	2130	12.82	12.82
752540.2	986031.8	2140	13.03	13.03
752550.2	986031.9	2150	12.48	12.48
752560.2	986032.1	2160	12.85	12.85
752570.2	986032.2	2170	12.51	12.51
752580.2	986032.3	2180	12.54	12.54
752590.2	986032.4	2190	12.54	12.54
752600.2	986032.6	2200	12.15	12.15
752610.2	986032.7	2210	11.72	11.72
752620.2	986032.8	2220	11.60	11.60
752630.2	986032.9	2230	11.41	11.41
752640.2	986033.1	2240	11.14	11.14
752650.2	986033.2	2250	10.83	10.83
752660.2	986033.3	2260	11.11	11.11
752670.2	986033.4	2270	11.17	11.17
752680.2	986033.6	2280	10.74	10.74
752690.2	986033.7	2290	10.93	10.93
752700.2	986033.8	2300	10.68	10.68
752710.2	986033.9	2310	10.44	10.44
752720.2	986034	2320	10.71	10.71
752730.2	986034.1	2330	10.68	10.68
752740.2	986034.3	2340	10.47	10.47
752750.2	986034.4	2350	10.65	10.65
752760.2	986034.5	2360	10.53	10.53
752770.2	986034.6	2370	10.71	10.71
752780.2	986034.8	2380	10.59	10.59
752790.2	986034.9	2390	11.26	11.26
752800.2	986035	2400	11.51	11.51
752810.1	986035.1	2410	12.30	12.30
752820.1	986035.3	2420	12.18	12.18
752830.1	986035.4	2430	12.42	12.42
752840.1	986035.5	2440	13.52	13.52
752850.1	986035.6	2450	13.64	13.64
752860.1	986035.8	2460	13.95	13.95
752870.1	986035.9	2470	14.43	14.43
752880.1	986036	2480	15.01	15.01
752890.1	986036.1	2490	14.92	14.92
752900.1	986036.3	2500	14.71	14.71
752910.1	986036.4	2510	14.95	14.95
752920.1	986036.5	2520	15.23	15.23
752930.1	986036.6	2530	15.41	15.41
752940.1	986036.7	2540	16.05	16.05
752950.1	986036.8	2550	15.56	15.56
752960.1	986036.9	2560	15.96	15.96
752970.1	986037.1	2570	15.35	15.35
752980.1	986037.2	2580	15.81	15.81
752990.1	986037.3	2590	15.96	15.96

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
753000.1	986037.4	2600	16.05	16.05	753540.1	986044.1	3140	19.47	19.47
753010.1	986037.6	2610	16.30	16.30	753550.1	986044.2	3150	16.57	16.57
753020.1	986037.7	2620	15.99	15.99	753560.1	986044.3	3160	15.17	15.17
753030.1	986037.8	2630	16.57	16.57	753570.1	986044.4	3170	14.34	14.34
753040.1	986037.9	2640	16.36	16.36	753580.1	986044.6	3180	14.16	14.16
753050.1	986038.1	2650	16.45	16.45	753590.1	986044.6	3190	13.79	13.79
753060.1	986038.2	2660	16.27	16.27	753600.1	986044.8	3200	13.09	13.09
753070.1	986038.3	2670	15.78	15.78	753610.1	986044.9	3210	12.94	12.94
753080.1	986038.4	2680	16.02	16.02	753620.1	986045	3220	12.76	12.76
753090.1	986038.6	2690	15.62	15.62	753630.1	986045.1	3230	12.48	12.48
753100.1	986038.7	2700	14.95	14.95	753640.1	986045.3	3240	12.73	12.73
753110.1	986038.8	2710	15.53	15.53	753650.1	986045.4	3250	12.33	12.33
753120.1	986038.9	2720	15.29	15.29	753660.1	986045.5	3260	12.36	12.36
753130.1	986039.1	2730	15.50	15.50	753670.1	986045.6	3270	12.45	12.45
753140.1	986039.2	2740	15.23	15.23	753680.1	986045.8	3280	12.18	12.18
753150.1	986039.3	2750	15.17	15.17	753690.1	986045.9	3290	12.36	12.36
753160.1	986039.4	2760	15.32	15.32	753700.1	986046	3300	12.66	12.66
753170.1	986039.5	2770	15.50	15.50	753710.1	986046.1	3310	12.97	12.97
753180.1	986039.6	2780	15.90	15.90	753720.1	986046.3	3320	13.06	13.06
753190.1	986039.8	2790	15.29	15.29	753730.1	986046.4	3330	12.97	12.97
753200.1	986039.9	2800	15.41	15.41	753740.1	986046.5	3340	13.24	13.24
753210.1	986040	2810	15.32	15.32	753750.1	986046.6	3350	13.34	13.34
753220.1	986040.1	2820	14.95	14.95	753760.1	986046.8	3360	13.28	13.28
753230.1	986040.3	2830	14.95	14.95	753770.1	986046.9	3370	13.67	13.67
753240.1	986040.4	2840	14.71	14.71	753780.1	986047	3380	13.98	13.98
753250.1	986040.5	2850	15.01	15.01	753790.1	986047.1	3390	13.64	13.64
753260.1	986040.6	2860	14.53	14.53	753800.1	986047.3	3400	13.64	13.64
753270.1	986040.8	2870	14.65	14.65	753810.1	986047.3	3410	14.07	14.07
753280.1	986040.9	2880	14.50	14.50	753820.1	986047.4	3420	13.70	13.70
753290.1	986041	2890	14.77	14.77	753830.1	986047.6	3430	13.98	13.98
753300.1	986041.1	2900	14.71	14.71	753840.1	986047.7	3440	14.01	14.01
753310.1	986041.3	2910	14.80	14.80	753850.1	986047.8	3450	13.73	13.73
753320.1	986041.4	2920	14.62	14.62	753860.1	986047.9	3460	13.76	13.76
753330.1	986041.5	2930	14.47	14.47	753870.1	986048.1	3470	13.73	13.73
753340.1	986041.6	2940	14.43	14.43	753880.1	986048.2	3480	13.85	13.85
753350.1	986041.8	2950	13.92	13.92	753890.1	986048.3	3490	13.64	13.64
753360.1	986041.9	2960	13.73	13.73	753900.1	986048.4	3500	13.58	13.58
753370.1	986041.9	2970	14.10	14.10	753910.1	986048.6	3510	13.37	13.37
753380.1	986042.1	2980	13.76	13.76	753920.1	986048.7	3520	13.43	13.43
753390.1	986042.2	2990	14.07	14.07	753930.1	986048.8	3530	13.28	13.28
753400.1	986042.3	3000	14.07	14.07	753940.1	986048.9	3540	12.91	12.91
753410.1	986042.4	3010	14.10	14.10	753950.1	986049.1	3550	13.09	13.09
753420.1	986042.6	3020	13.89	13.89	753960.1	986049.2	3560	12.76	12.76
753430.1	986042.7	3030	14.22	14.22	753970.1	986049.3	3570	13.09	13.09
753440.1	986042.8	3040	14.56	14.56	753980.1	986049.4	3580	12.94	12.94
753450.1	986042.9	3050	16.05	16.05	753990.1	986049.6	3590	12.91	12.91
753460.1	986043.1	3060	17.52	17.52	754000.1	986049.7	3600	12.97	12.97
753470.1	986043.2	3070	22.46	22.46	754010.1	986049.8	3610	12.85	12.85
753480.1	986043.3	3080	30.06	30.06	754020.1	986049.9	3620	12.94	12.94
753520.1	986043.8	3120	103.91	3.91	754030.1	986050	3630	12.73	12.73
753530.1	986043.9	3130	32.65	32.65	754040.1	986050.1	3640	12.48	12.48

Easting	Northing	Station	Conduct.	In-Phase
754050.1	986050.3	3650	12.45	12.45
754060.1	986050.4	3660	12.05	12.05
754070.1	986050.5	3670	12.21	12.21
754080.1	986050.6	3680	12.21	12.21
754090.1	986050.8	3690	12.12	12.12
754100.1	986050.9	3700	12.05	12.05
754110.1	986051	3710	12.42	12.42
754120.1	986051.1	3720	12.66	12.66
754130.1	986051.3	3730	13.21	13.21
754140.1	986051.4	3740	13.12	13.12
754150.1	986051.5	3750	13.28	13.28
754160.1	986051.6	3760	13.21	13.21
754170.1	986051.8	3770	13.55	13.55
754180.1	986051.9	3780	13.46	13.46
754190.1	986052	3790	13.52	13.52
754200.1	986052.1	3800	13.64	13.64
754210.1	986052.3	3810	13.76	13.76
754220.1	986052.4	3820	14.10	14.10
754230.1	986052.5	3830	13.95	13.95
754240.1	986052.6	3840	14.13	14.13
754250.1	986052.7	3850	14.47	14.47
754260.1	986052.8	3860	14.13	14.13
754270.1	986052.9	3870	14.53	14.53
754280.1	986053.1	3880	14.74	14.74
754290.1	986053.2	3890	15.50	15.50
754300.1	986053.3	3900	15.62	15.62
754310.1	986053.4	3910	16.88	16.88
754320.1	986053.6	3920	0.00	0.00
LINE 27				
751299	985966.7	900	11.38	11.38
751309	985966.8	910	11.35	11.35
751319	985966.9	920	11.14	11.14
751329	985967	930	11.35	11.35
751339	985967.1	940	10.96	10.96
751349	985967.3	950	11.05	11.05
751359	985967.4	960	10.89	10.89
751369	985967.5	970	10.80	10.80
751379	985967.6	980	11.05	11.05
751389	985967.8	990	11.32	11.32
751399	985967.9	1000	11.75	11.75
751409	985968	1010	12.36	12.36
751419	985968.1	1020	12.79	12.79
751429	985968.3	1030	13.82	13.82
751439	985968.4	1040	15.14	15.14
751448.9	985968.5	1050	15.23	15.23
751458.9	985968.6	1060	17.12	17.12
751468.9	985968.8	1070	17.24	17.24
751478.9	985968.9	1080	17.12	17.12
751488.9	985969	1090	20.78	20.78
751498.9	985969.1	1100	16.48	16.48
751508.9	985969.3	1110	32.41	32.41

Easting	Northing	Station	Conduct.	In-Phase
751518.9	985969.4	1120	21.51	21.51
751528.9	985969.4	1130	13.15	13.15
751648.9	985970.9	1250	20.66	20.66
751658.9	985971.1	1260	19.56	19.56
751668.9	985971.2	1270	14.98	14.98
751678.9	985971.3	1280	14.16	14.16
751688.9	985971.4	1290	14.01	14.01
751698.9	985971.6	1300	13.89	13.89
751708.9	985971.7	1310	13.85	13.85
751718.9	985971.8	1320	13.82	13.82
751728.9	985971.9	1330	13.67	13.67
751738.9	985972.1	1340	13.37	13.37
751748.9	985972.1	1350	13.55	13.55
751758.9	985972.3	1360	13.12	13.12
751768.9	985972.4	1370	13.73	13.73
751778.9	985972.5	1380	13.67	13.67
751788.9	985972.6	1390	13.52	13.52
751798.9	985972.8	1400	13.92	13.92
751808.9	985972.9	1410	13.58	13.58
751818.9	985973	1420	13.79	13.79
751828.9	985973.1	1430	13.73	13.73
751838.9	985973.3	1440	14.28	14.28
751848.9	985973.4	1450	14.28	14.28
751858.9	985973.5	1460	13.40	13.40
751868.9	985973.6	1470	14.25	14.25
751878.9	985973.8	1480	14.10	14.10
751888.9	985973.9	1490	14.40	14.40
751898.9	985974	1500	14.13	14.13
751908.9	985974.1	1510	13.98	13.98
751918.9	985974.3	1520	13.73	13.73
751928.9	985974.4	1530	13.52	13.52
751938.9	985974.5	1540	14.07	14.07
751948.9	985974.6	1550	13.46	13.46
751958.9	985974.8	1560	13.34	13.34
751968.9	985974.8	1570	13.49	13.49
751978.9	985974.9	1580	13.24	13.24
751988.9	985975.1	1590	13.28	13.28
751998.9	985975.2	1600	13.34	13.34
752008.9	985975.3	1610	13.18	13.18
752018.9	985975.4	1620	13.03	13.03
752028.9	985975.6	1630	13.24	13.24
752038.9	985975.7	1640	13.31	13.31
752048.9	985975.8	1650	13.03	13.03
752058.9	985975.9	1660	13.34	13.34
752068.9	985976.1	1670	13.34	13.34
752078.9	985976.2	1680	13.37	13.37
752088.9	985976.3	1690	13.00	13.00
752098.9	985976.4	1700	12.97	12.97
752108.9	985976.6	1710	13.21	13.21
752118.9	985976.7	1720	13.06	13.06
752128.9	985976.8	1730	12.63	12.63

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
752138.9	985976.9	1740	12.51	12.51	752648.9	985983.1	2250	11.54	11.54
752148.9	985977.1	1750	12.51	12.51	752658.9	985983.3	2260	11.35	11.35
752158.9	985977.2	1760	12.48	12.48	752668.9	985983.4	2270	11.32	11.32
752168.9	985977.3	1770	12.42	12.42	752678.9	985983.5	2280	11.20	11.20
752178.9	985977.4	1780	12.48	12.48	752688.9	985983.6	2290	11.11	11.11
752188.9	985977.5	1790	12.48	12.48	752698.9	985983.8	2300	11.11	11.11
752198.9	985977.6	1800	12.91	12.91	752708.9	985983.9	2310	11.17	11.17
752208.9	985977.8	1810	12.85	12.85	752718.9	985984	2320	11.08	11.08
752218.9	985977.9	1820	12.60	12.60	752728.9	985984.1	2330	11.05	11.05
752228.9	985978	1830	12.76	12.76	752738.9	985984.3	2340	10.99	10.99
752238.9	985978.1	1840	13.00	13.00	752748.9	985984.4	2350	10.86	10.86
752248.9	985978.3	1850	12.85	12.85	752758.9	985984.5	2360	10.47	10.47
752258.9	985978.4	1860	12.82	12.82	752768.9	985984.6	2370	10.74	10.74
752268.9	985978.5	1870	12.88	12.88	752778.9	985984.8	2380	10.71	10.71
752278.9	985978.6	1880	13.15	13.15	752788.9	985984.9	2390	10.96	10.96
752288.9	985978.8	1890	13.24	13.24	752798.9	985985	2400	11.35	11.35
752298.9	985978.9	1900	12.88	12.88	752808.9	985985.1	2410	11.96	11.96
752308.9	985979	1910	13.49	13.49	752818.9	985985.3	2420	12.85	12.85
752318.9	985979.1	1920	13.31	13.31	752828.9	985985.4	2430	13.15	13.15
752328.9	985979.3	1930	13.28	13.28	752838.9	985985.5	2440	13.85	13.85
752338.9	985979.4	1940	13.64	13.64	752848.9	985985.6	2450	14.71	14.71
752348.9	985979.5	1950	13.28	13.28	752858.9	985985.7	2460	15.29	15.29
752358.9	985979.6	1960	13.67	13.67	752868.9	985985.8	2470	15.26	15.26
752368.9	985979.8	1970	13.70	13.70	752878.9	985985.9	2480	15.35	15.35
752378.9	985979.9	1980	13.64	13.64	752888.9	985986.1	2490	15.29	15.29
752388.9	985980	1990	13.15	13.15	752898.9	985986.2	2500	15.93	15.93
752398.9	985980.1	2000	13.61	13.61	752908.9	985986.3	2510	15.87	15.87
752408.9	985980.2	2010	13.31	13.31	752918.9	985986.4	2520	17.24	17.24
752418.9	985980.3	2020	13.49	13.49	752928.9	985986.6	2530	16.36	16.36
752428.9	985980.4	2030	13.28	13.28	752938.9	985986.7	2540	16.48	16.48
752438.9	985980.6	2040	14.77	14.77	752948.9	985986.8	2550	16.14	16.14
752448.9	985980.7	2050	15.44	15.44	752958.9	985986.9	2560	16.30	16.30
752458.9	985980.8	2060	17.12	17.12	752968.9	985987.1	2570	16.30	16.30
752468.9	985980.9	2070	21.88	21.88	752978.9	985987.2	2580	16.08	16.08
752478.9	985981.1	2080	39.22	39.22	752988.9	985987.3	2590	16.20	16.20
752488.9	985981.2	2090	29.57	29.57	752998.9	985987.4	2600	15.50	15.50
752498.9	985981.3	2100	-38.30	-38.30	753008.9	985987.6	2610	15.47	15.47
752508.9	985981.4	2110	44.92	44.92	753018.9	985987.7	2620	15.78	15.78
752518.9	985981.6	2120	29.88	29.88	753028.9	985987.8	2630	15.93	15.93
752528.9	985981.7	2130	20.11	20.11	753038.9	985987.9	2640	12.97	12.97
752538.9	985981.8	2140	16.45	16.45	753048.9	985988.1	2650	16.57	16.57
752548.9	985981.9	2150	14.95	14.95	753058.9	985988.2	2660	15.56	15.56
752558.9	985982.1	2160	13.92	13.92	753068.9	985988.3	2670	15.38	15.38
752568.9	985982.2	2170	13.43	13.43	753078.9	985988.4	2680	15.47	15.47
752578.9	985982.3	2180	13.03	13.03	753088.9	985988.5	2690	13.76	13.76
752588.9	985982.4	2190	12.57	12.57	753098.9	985988.6	2700	15.50	15.50
752598.9	985982.6	2200	12.57	12.57	753108.9	985988.8	2710	15.26	15.26
752608.9	985982.7	2210	12.66	12.66	753118.8	985988.9	2720	14.92	14.92
752618.9	985982.8	2220	12.12	12.12	753128.8	985989	2730	14.56	14.56
752628.9	985982.9	2230	12.48	12.48	753138.8	985989.1	2740	14.92	14.92
752638.9	985983	2240	11.69	11.69	753148.8	985989.3	2750	14.74	14.74

Easting	Northing	Station	Conduct.	In-Phase
753158.8	985989.4	2760	15.26	15.26
753168.8	985989.5	2770	15.11	15.11
753178.8	985989.6	2780	15.47	15.47
753188.8	985989.8	2790	15.96	15.96
753198.8	985989.9	2800	15.66	15.66
753208.8	985990	2810	15.11	15.11
753218.8	985990.1	2820	14.83	14.83
753228.8	985990.3	2830	14.80	14.80
753238.8	985990.4	2840	14.59	14.59
753248.8	985990.5	2850	14.56	14.56
753258.8	985990.6	2860	14.50	14.50
753268.8	985990.8	2870	14.65	14.65
753278.8	985990.9	2880	14.53	14.53
753288.8	985991	2890	14.80	14.80
753298.8	985991.1	2900	14.92	14.92
753308.8	985991.2	2910	14.16	14.16
753318.8	985991.3	2920	14.37	14.37
753328.8	985991.4	2930	14.13	14.13
753338.8	985991.6	2940	13.95	13.95
753348.8	985991.7	2950	13.58	13.58
753358.8	985991.8	2960	13.61	13.61
753368.8	985991.9	2970	13.43	13.43
753378.8	985992.1	2980	13.28	13.28
753388.8	985992.2	2990	13.40	13.40
753398.8	985992.3	3000	13.24	13.24
753408.8	985992.4	3010	13.28	13.28
753418.8	985992.6	3020	13.43	13.43
753428.8	985992.7	3030	13.76	13.76
753438.8	985992.8	3040	13.70	13.70
753448.8	985992.9	3050	13.89	13.89
753458.8	985993.1	3060	14.68	14.68
753468.8	985993.2	3070	14.56	14.56
753478.8	985993.3	3080	16.45	16.45
753488.8	985993.4	3090	20.26	20.26
753498.8	985993.6	3100	31.74	31.74
LINE 28				
751297.7	985916.6	900	11.38	11.38
751307.7	985916.8	910	11.81	11.81
751317.7	985916.9	920	11.54	11.54
751327.7	985917	930	11.41	11.41
751337.7	985917.1	940	11.20	11.20
751347.7	985917.3	950	11.47	11.47
751357.7	985917.4	960	11.29	11.29
751367.7	985917.5	970	11.75	11.75
751377.7	985917.6	980	11.14	11.14
751387.7	985917.8	990	11.20	11.20
751397.7	985917.9	1000	11.47	11.47
751407.7	985918	1010	11.81	11.81
751417.7	985918.1	1020	11.23	11.23
751427.7	985918.3	1030	11.47	11.47
751437.7	985918.4	1040	11.41	11.41
751447.7	985918.5	1050	11.11	11.11
751457.7	985918.6	1060	11.23	11.23
751467.7	985918.7	1070	11.26	11.26
751477.7	985918.8	1080	11.63	11.63
751487.7	985918.9	1090	11.32	11.32
751497.7	985919.1	1100	11.81	11.81
751507.7	985919.2	1110	12.51	12.51
751517.7	985919.3	1120	12.54	12.54
751527.7	985919.4	1130	11.99	11.99
751647.7	985920.9	1250	14.01	14.01
751657.7	985921.1	1260	13.55	13.55
751667.7	985921.2	1270	13.46	13.46
751677.7	985921.3	1280	13.73	13.73
751687.7	985921.4	1290	13.49	13.49
751697.7	985921.5	1300	13.52	13.52
751707.7	985921.6	1310	13.58	13.58
751717.7	985921.8	1320	13.49	13.49
751727.7	985921.9	1330	13.40	13.40
751737.7	985922	1340	13.34	13.34
751747.7	985922.1	1350	13.21	13.21
751757.6	985922.3	1360	13.15	13.15
751767.6	985922.4	1370	13.64	13.64
751777.6	985922.5	1380	13.49	13.49
751787.6	985922.6	1390	13.40	13.40
751797.6	985922.8	1400	13.49	13.49
751807.6	985922.9	1410	13.58	13.58
751817.6	985923	1420	13.55	13.55
751827.6	985923.1	1430	13.70	13.70
751837.6	985923.3	1440	13.55	13.55
751847.6	985923.4	1450	13.61	13.61
751857.6	985923.5	1460	13.98	13.98
751867.6	985923.6	1470	13.49	13.49
751877.6	985923.8	1480	14.10	14.10
751887.6	985923.9	1490	14.31	14.31
751897.6	985923.9	1500	14.28	14.28
751907.6	985924.1	1510	13.82	13.82
751917.6	985924.2	1520	14.40	14.40
751927.6	985924.3	1530	14.53	14.53
751937.6	985924.4	1540	13.85	13.85
751947.6	985924.6	1550	14.37	14.37
751957.6	985924.7	1560	13.92	13.92
751967.6	985924.8	1570	13.89	13.89
751977.6	985924.9	1580	13.58	13.58
751987.6	985925.1	1590	13.64	13.64
751997.6	985925.2	1600	13.28	13.28
752007.6	985925.3	1610	12.91	12.91
752017.6	985925.4	1620	13.28	13.28
752027.6	985925.6	1630	13.55	13.55
752037.6	985925.7	1640	13.24	13.24
752047.6	985925.8	1650	13.34	13.34
752057.6	985925.9	1660	13.09	13.09

Easting	Northing	Station	Conduct.	In-Phase
752067.6	985926.1	1670	13.12	13.12
752077.6	985926.2	1680	12.94	12.94
752087.6	985926.3	1690	12.88	12.88
752097.6	985926.4	1700	12.91	12.91
752107.6	985926.6	1710	13.06	13.06
752117.6	985926.7	1720	12.76	12.76
752127.6	985926.8	1730	12.54	12.54
752137.6	985926.9	1740	12.60	12.60
752147.6	985927	1750	12.63	12.63
752157.6	985927.1	1760	12.70	12.70
752167.6	985927.3	1770	12.85	12.85
752177.6	985927.4	1780	13.12	13.12
752187.6	985927.5	1790	12.94	12.94
752197.6	985927.6	1800	13.43	13.43
752207.6	985927.8	1810	13.43	13.43
752217.6	985927.9	1820	13.00	13.00
752227.6	985928	1830	13.15	13.15
752237.6	985928.1	1840	13.24	13.24
752247.6	985928.3	1850	12.88	12.88
752257.6	985928.4	1860	12.91	12.91
752267.6	985928.5	1870	12.66	12.66
752277.6	985928.6	1880	12.60	12.60
752287.6	985928.8	1890	12.73	12.73
752297.6	985928.9	1900	12.45	12.45
752307.6	985929	1910	12.70	12.70
752317.6	985929.1	1920	12.51	12.51
752327.6	985929.3	1930	12.76	12.76
752337.6	985929.4	1940	12.63	12.63
752347.6	985929.4	1950	12.76	12.76
752357.6	985929.6	1960	12.97	12.97
752367.6	985929.7	1970	13.12	13.12
752377.6	985929.8	1980	13.18	13.18
752387.6	985929.9	1990	13.43	13.43
752397.6	985930.1	2000	12.97	12.97
752407.6	985930.2	2010	13.55	13.55
752417.6	985930.3	2020	14.10	14.10
752427.6	985930.4	2030	13.61	13.61
752437.6	985930.6	2040	13.92	13.92
752447.6	985930.7	2050	14.22	14.22
752457.6	985930.8	2060	14.65	14.65
752467.6	985930.9	2070	15.11	15.11
752477.6	985931.1	2080	15.08	15.08
752487.6	985931.2	2090	16.85	16.85
752497.6	985931.3	2100	18.92	18.92
752507.6	985931.4	2110	21.51	21.51
752517.6	985931.6	2120	37.75	37.75
752527.6	985931.7	2130	-22.40	-22.40
752537.6	985931.8	2140	-24.08	24.08
752547.6	985931.9	2150	29.57	29.57
752557.6	985932.1	2160	16.97	16.97
752567.6	985932.1	2170	14.43	14.43
752577.6	985932.3	2180	13.61	13.61
752587.6	985932.4	2190	12.70	12.70
752597.6	985932.5	2200	12.57	12.57
752607.6	985932.6	2210	12.02	12.02
752617.6	985932.8	2220	12.27	12.27
752627.6	985932.9	2230	11.72	11.72
752637.6	985933	2240	12.12	12.12
752647.6	985933.1	2250	12.02	12.02
752657.6	985933.3	2260	11.57	11.57
752667.6	985933.4	2270	11.78	11.78
752677.6	985933.5	2280	11.69	11.69
752687.6	985933.6	2290	11.44	11.44
752697.6	985933.8	2300	11.08	11.08
752707.6	985933.9	2310	11.47	11.47
752717.6	985934	2320	11.29	11.29
752727.6	985934.1	2330	11.02	11.02
752737.6	985934.3	2340	11.17	11.17
752747.6	985934.4	2350	11.23	11.23
752757.6	985934.5	2360	10.83	10.83
752767.6	985934.6	2370	11.47	11.47
752777.6	985934.8	2380	11.75	11.75
752787.6	985934.8	2390	11.72	11.72
752797.6	985934.9	2400	11.75	11.75
752807.6	985935.1	2410	12.24	12.24
752817.6	985935.2	2420	12.82	12.82
752827.6	985935.3	2430	13.03	13.03
752837.6	985935.4	2440	12.97	12.97
752847.6	985935.6	2450	14.37	14.37
752857.6	985935.7	2460	14.43	14.43
752867.6	985935.8	2470	13.61	13.61
752877.6	985935.9	2480	11.78	11.78
752887.6	985936.1	2490	9.98	9.98
752897.6	985936.2	2500	12.94	12.94
752907.6	985936.3	2510	15.72	15.72
752917.6	985936.4	2520	15.87	15.87
752927.6	985936.6	2530	15.99	15.99
752937.6	985936.7	2540	15.99	15.99
752947.6	985936.8	2550	15.81	15.81
752957.6	985936.9	2560	15.53	15.53
752967.6	985937.1	2570	16.33	16.33
752977.6	985937.2	2580	14.65	14.65
752987.6	985937.3	2590	14.37	14.37
752997.6	985937.4	2600	15.35	15.35
753007.6	985937.5	2610	15.08	15.08
753017.6	985937.6	2620	15.20	15.20
753027.6	985937.8	2630	14.98	14.98
753037.6	985937.9	2640	14.86	14.86
753047.6	985938	2650	14.25	14.25
753057.6	985938.1	2660	14.31	14.31
753067.6	985938.3	2670	14.13	14.13
753077.6	985938.4	2680	14.56	14.56

Easting	Northing	Station	Conduct.	In-Phase
753087.6	985938.5	2690	14.34	14.34
753097.6	985938.6	2700	14.53	14.53
753107.6	985938.8	2710	14.53	14.53
753117.6	985938.9	2720	14.50	14.50
753127.6	985939	2730	14.68	14.68
753137.6	985939.1	2740	14.86	14.86
753147.6	985939.3	2750	15.26	15.26
753157.6	985939.4	2760	14.89	14.89
753167.6	985939.5	2770	15.17	15.17
753177.6	985939.6	2780	15.11	15.11
753187.6	985939.8	2790	15.20	15.20
753197.6	985939.9	2800	14.89	14.89
753207.6	985940	2810	15.20	15.20
753217.6	985940.1	2820	15.17	15.17
753227.6	985940.2	2830	15.08	15.08
753237.6	985940.3	2840	14.86	14.86
753247.6	985940.4	2850	15.01	15.01
753257.6	985940.6	2860	14.89	14.89
753267.6	985940.7	2870	14.34	14.34
753277.6	985940.8	2880	14.68	14.68
753287.6	985940.9	2890	14.43	14.43
753297.6	985941.1	2900	14.25	14.25
753307.6	985941.2	2910	14.34	14.34
753317.6	985941.3	2920	14.56	14.56
753327.6	985941.4	2930	14.47	14.47
753337.6	985941.6	2940	14.16	14.16
753347.6	985941.7	2950	14.25	14.25
753357.6	985941.8	2960	13.82	13.82
753367.6	985941.9	2970	13.61	13.61
753377.6	985942.1	2980	13.70	13.70
753387.6	985942.2	2990	13.43	13.43
753397.6	985942.3	3000	13.49	13.49
753407.6	985942.4	3010	13.37	13.37
753417.6	985942.6	3020	13.24	13.24
753427.6	985942.7	3030	13.49	13.49
753437.5	985942.8	3040	13.89	13.89
753447.5	985942.9	3050	14.34	14.34
753457.5	985943	3060	14.92	14.92
753467.5	985943.1	3070	15.47	15.47
753477.5	985943.3	3080	18.62	18.62
753487.5	985943.4	3090	29.66	29.66
753497.5	985943.5	3100	39.79	39.79
LINE 29				
751476.4	985868.8	1080	11.78	11.78
751486.4	985868.9	1090	11.72	11.72
751496.4	985869.1	1100	11.78	11.78
751506.4	985869.2	1110	12.39	12.39
751516.4	985869.3	1120	11.69	11.69
751526.4	985869.4	1130	11.69	11.69
751536.4	985869.6	1140	11.84	11.84
751546.4	985869.7	1150	12.02	12.02

Easting	Northing	Station	Conduct.	In-Phase
751646.4	985870.9	1250	13.52	13.52
751656.4	985871	1260	13.03	13.03
751666.4	985871.1	1270	13.43	13.43
751676.4	985871.3	1280	12.97	12.97
751686.4	985871.4	1290	13.46	13.46
751696.4	985871.5	1300	13.31	13.31
751706.4	985871.6	1310	13.70	13.70
751716.4	985871.8	1320	13.52	13.52
751726.4	985871.9	1330	13.21	13.21
751736.4	985872	1340	13.82	13.82
751746.4	985872.1	1350	13.09	13.09
751756.4	985872.3	1360	13.06	13.06
751766.4	985872.4	1370	13.24	13.24
751776.4	985872.5	1380	13.28	13.28
751786.4	985872.6	1390	13.00	13.00
751796.4	985872.8	1400	13.37	13.37
751806.4	985872.9	1410	13.28	13.28
751816.4	985873	1420	13.31	13.31
751826.4	985873.1	1430	13.28	13.28
751836.4	985873.2	1440	13.52	13.52
751846.4	985873.3	1450	13.52	13.52
751856.4	985873.4	1460	13.98	13.98
751866.4	985873.6	1470	13.61	13.61
751876.4	985873.7	1480	14.13	14.13
751886.4	985873.8	1490	13.73	13.73
751896.4	985873.9	1500	14.07	14.07
751906.4	985874.1	1510	14.19	14.19
751916.4	985874.2	1520	14.28	14.28
751926.4	985874.3	1530	14.19	14.19
751936.4	985874.4	1540	14.62	14.62
751946.4	985874.6	1550	14.50	14.50
751956.4	985874.7	1560	14.62	14.62
751966.4	985874.8	1570	14.25	14.25
751976.4	985874.9	1580	14.40	14.40
751986.4	985875.1	1590	14.47	14.47
751996.4	985875.2	1600	13.92	13.92
752006.4	985875.3	1610	14.04	14.04
752016.4	985875.4	1620	13.89	13.89
752026.4	985875.6	1630	14.01	14.01
752036.4	985875.7	1640	13.70	13.70
752046.4	985875.8	1650	13.89	13.89
752056.4	985875.9	1660	13.92	13.92
752066.4	985876	1670	13.76	13.76
752076.3	985876.1	1680	13.70	13.70
752086.3	985876.3	1690	13.37	13.37
752096.3	985876.4	1700	13.58	13.58
752106.3	985876.5	1710	13.55	13.55
752116.3	985876.6	1720	13.58	13.58
752126.3	985876.8	1730	13.64	13.64
752136.3	985876.9	1740	13.40	13.40
752146.3	985877	1750	13.55	13.55

Easting	Northing	Station	Conduct.	In-Phase
752156.3	985877.1	1760	13.31	13.31
752166.3	985877.3	1770	13.28	13.28
752176.3	985877.4	1780	13.37	13.37
752186.3	985877.5	1790	13.15	13.15
752196.3	985877.6	1800	13.43	13.43
752206.3	985877.8	1810	13.31	13.31
752216.3	985877.9	1820	13.67	13.67
752226.3	985878	1830	13.58	13.58
752236.3	985878.1	1840	13.92	13.92
752246.3	985878.3	1850	14.01	14.01
752256.3	985878.4	1860	13.31	13.31
752266.3	985878.5	1870	13.89	13.89
752276.3	985878.6	1880	13.82	13.82
752286.3	985878.7	1890	13.46	13.46
752296.3	985878.8	1900	13.58	13.58
752306.3	985878.9	1910	13.64	13.64
752316.3	985879.1	1920	13.67	13.67
752326.3	985879.2	1930	13.37	13.37
752336.3	985879.3	1940	12.94	12.94
752346.3	985879.4	1950	13.03	13.03
752356.3	985879.6	1960	13.12	13.12
752366.3	985879.7	1970	13.06	13.06
752376.3	985879.8	1980	12.85	12.85
752386.3	985879.9	1990	12.88	12.88
752396.3	985880.1	2000	12.91	12.91
752406.3	985880.2	2010	12.97	12.97
752416.3	985880.3	2020	12.88	12.88
752426.3	985880.4	2030	13.24	13.24
752436.3	985880.6	2040	13.55	13.55
752446.3	985880.7	2050	13.31	13.31
752456.3	985880.8	2060	13.31	13.31
752466.3	985880.9	2070	13.31	13.31
752476.3	985881.1	2080	13.70	13.70
752486.3	985881.2	2090	13.31	13.31
752496.3	985881.3	2100	13.70	13.70
752506.3	985881.4	2110	14.13	14.13
752516.3	985881.5	2120	13.49	13.49
752526.3	985881.6	2130	14.47	14.47
752536.3	985881.8	2140	14.01	14.01
752546.3	985881.9	2150	13.70	13.70
752556.3	985882	2160	13.18	13.18
752566.3	985882.1	2170	13.09	13.09
752576.3	985882.3	2180	12.91	12.91
752586.3	985882.4	2190	10.86	10.86
752596.3	985882.5	2200	8.18	8.18
752606.3	985882.6	2210	14.56	14.56
752616.3	985882.8	2220	12.76	12.76
752626.3	985882.9	2230	12.70	12.70
752636.3	985883	2240	12.15	12.15
752646.3	985883.1	2250	12.27	12.27
752656.3	985883.3	2260	11.81	11.81
752666.3	985883.4	2270	11.75	11.75
752676.3	985883.5	2280	11.90	11.90
752686.3	985883.6	2290	11.57	11.57
752696.3	985883.8	2300	11.38	11.38
752706.3	985883.9	2310	11.35	11.35
752716.3	985883.9	2320	11.66	11.66
752726.3	985884.1	2330	11.23	11.23
752736.3	985884.2	2340	11.32	11.32
752746.3	985884.3	2350	11.29	11.29
752756.3	985884.4	2360	11.11	11.11
752766.3	985884.6	2370	11.54	11.54
752776.3	985884.7	2380	11.17	11.17
752786.3	985884.8	2390	11.20	11.20
752796.3	985884.9	2400	11.54	11.54
752806.3	985885.1	2410	11.63	11.63
752816.3	985885.2	2420	11.69	11.69
752826.3	985885.3	2430	12.45	12.45
752836.3	985885.4	2440	13.43	13.43
752846.3	985885.6	2450	13.24	13.24
752856.3	985885.7	2460	13.76	13.76
752866.3	985885.8	2470	13.92	13.92
752876.3	985885.9	2480	13.82	13.82
752886.3	985886.1	2490	14.40	14.40
752896.3	985886.2	2500	14.59	14.59
752906.3	985886.3	2510	15.14	15.14
752916.3	985886.4	2520	15.26	15.26
752926.3	985886.6	2530	15.38	15.38
752936.3	985886.6	2540	13.92	13.92
752946.3	985886.8	2550	14.47	14.47
752956.3	985886.9	2560	14.71	14.71
752966.3	985887	2570	14.01	14.01
752976.3	985887.1	2580	14.01	14.01
752986.3	985887.3	2590	0.00	0.00

Easting	Northing	Conduct.	In-Phase
LINE 1000: SEAD-63			
741169.9	1012858	23.316	0.170
741179.9	1012858	23.040	0.064
741189.9	1012857	25.544	0.262
741199.9	1012856	26.398	0.308
741209.9	1012856	7.568	-0.918
741219.9	1012855	21.514	-0.308
741229.8	1012854	18.830	-0.352
741239.8	1012854	17.884	-0.356
741249.8	1012853	17.182	-0.385
741259.8	1012852	17.090	-0.507
741269.8	1012852	16.540	-0.514
741279.7	1012851	16.876	-0.554
741289.7	1012850	16.418	-0.578
741299.7	1012850	16.694	-0.518
741309.6	1012849	16.144	-0.584
741319.6	1012848	15.960	-0.602
741329.6	1012848	16.022	-0.626
741339.6	1012847	16.174	-0.661
741349.6	1012846	16.236	-0.683
741359.6	1012846	16.204	-0.705
741369.5	1012845	16.602	-0.646
741379.5	1012844	16.174	-0.723
741389.5	1012844	16.662	-0.613
741399.4	1012843	16.602	-0.514
741409.4	1012842	14.526	-1.344
741419.4	1012842	14.038	-0.597
741429.4	1012841	16.480	-0.683
741439.4	1012840	16.144	-0.637
741449.3	1012840	15.870	-0.733
741459.3	1012839	16.022	-0.727
741469.3	1012838	16.144	-0.679
741479.3	1012838	16.204	-0.753
741489.3	1012837	15.930	-0.701
741499.3	1012836	16.510	-0.689
741509.2	1012836	17.304	-0.621
LINE 1020			
741510.6	1012856	14.862	-1.339
741500.6	1012856	20.050	-1.337
741490.6	1012857	19.226	0.047
741480.6	1012858	17.364	-0.793
741470.6	1012858	16.938	-0.668
741460.6	1012859	16.418	-0.744
741450.7	1012860	16.174	-0.747
741440.7	1012860	16.388	-0.784
741430.8	1012861	16.114	-0.725
741420.8	1012862	16.236	-0.867
741410.8	1012862	16.388	-0.889
741400.8	1012863	16.114	-0.883
741390.8	1012864	15.960	-0.824
741380.8	1012864	15.716	-0.703
741370.9	1012865	16.022	-0.705
741360.9	1012866	16.144	-0.764
741350.9	1012866	15.900	-0.793
741340.9	1012867	16.204	-0.589
741330.9	1012868	15.686	-0.692
741320.9	1012868	16.052	-0.826
741311	1012869	16.022	-0.780
741301	1012870	16.266	-0.637
741291.1	1012870	16.480	-0.711
741281.1	1012871	16.724	-0.703
741271.1	1012872	16.724	-0.639
741261.1	1012872	16.998	-0.690
741251.1	1012873	17.090	-0.542
741241.1	1012874	17.548	-0.628
741231.2	1012874	18.188	-0.558
741221.2	1012875	21.454	-0.373
741211.2	1012876	10.560	-0.957
741201.3	1012876	19.196	-0.139
741191.3	1012877	23.530	0.128
741181.3	1012878	23.010	-0.101
741171.3	1012878	23.102	0.156
LINE 1040			
741172.6	1012898	22.674	-0.020
741182.6	1012898	21.118	0.012
741192.6	1012897	24.140	0.075
741202.6	1012896	24.048	0.029
741212.6	1012896	8.299	-0.982
741222.5	1012895	20.660	-0.578
741232.5	1012894	19.256	-0.503
741242.5	1012893	18.158	-0.679
741252.4	1012893	17.456	-0.720
741262.4	1012892	17.212	-0.830
741272.4	1012891	16.296	-0.938
741282.4	1012891	16.510	-0.834
741292.4	1012890	15.808	-0.799
741302.4	1012889	15.442	-0.810
741312.3	1012889	15.594	-0.850
741322.3	1012888	16.358	-0.729
741332.3	1012887	15.748	-0.731
741342.3	1012887	15.992	-0.711
741352.3	1012886	15.412	-0.676
741362.2	1012885	15.412	-0.723
741372.2	1012885	15.748	-0.793
741382.2	1012884	15.350	-0.791
741392.1	1012883	15.838	-0.700
741402.1	1012883	16.204	-0.687
741412.1	1012882	15.686	-0.639
741422.1	1012881	16.174	-0.725
741432.1	1012881	16.082	-0.714

Easting	Northing	Conduct.	In-Phase
741442.1	1012880	14.954	-0.814
741452	1012879	15.502	-0.685
741462	1012879	15.992	-0.782
741471.9	1012878	16.572	-0.764
741481.9	1012877	17.608	-0.723
741491.9	1012877	20.416	-0.235
741501.9	1012876	32.012	0.345
741511.9	1012875	-6.256	-1.209
LINE 1060			
741513.2	1012895	9.400	-0.045
741503.3	1012896	-6.072	-2.315
741493.3	1012897	29.846	0.779
741483.3	1012897	19.470	-0.711
741473.3	1012898	17.150	-0.685
741463.3	1012899	16.236	-0.725
741453.4	1012899	15.014	-0.753
741443.4	1012900	15.136	-0.856
741433.4	1012901	15.656	-0.802
741423.4	1012901	15.686	-0.729
741413.4	1012902	15.778	-0.773
741403.4	1012903	16.082	-0.757
741393.5	1012903	15.748	-0.733
741383.5	1012904	15.778	-0.598
741373.5	1012905	15.534	-0.760
741363.6	1012905	15.870	-0.659
741353.6	1012906	16.144	-0.652
741343.6	1012907	15.716	-0.755
741333.6	1012907	15.870	-0.740
741323.6	1012908	16.114	-0.679
741313.7	1012909	16.418	-0.747
741303.7	1012909	16.236	-0.700
741293.7	1012910	16.358	-0.714
741283.8	1012911	16.174	-0.768
741273.8	1012911	16.694	-0.740
741263.8	1012912	16.602	-0.896
741253.8	1012913	16.876	-0.773
741243.8	1012913	17.518	-0.744
741233.8	1012914	18.616	-0.687
741223.9	1012915	21.210	-0.565
741213.9	1012915	10.528	-1.141
741203.9	1012916	19.288	-0.253
741193.9	1012917	22.674	-0.029
741183.9	1012917	24.414	-0.025
741174	1012918	21.240	-0.150
LINE 1080			
741175.3	1012938	20.874	-0.126
741185.3	1012937	20.904	-0.148
741195.3	1012937	24.506	0.025
741205.3	1012936	22.674	-0.016
741215.3	1012935	11.260	-0.990
741225.2	1012935	22.522	-0.270

Easting	Northing	Conduct.	In-Phase
741235.2	1012934	19.532	-0.470
741245.1	1012933	18.676	-0.564
741255.1	1012933	17.700	-0.604
741265.1	1012932	17.396	-0.606
741275.1	1012931	17.060	-0.694
741285.1	1012931	16.784	-0.685
741295.1	1012930	16.724	-0.617
741305	1012929	16.388	-0.709
741315	1012929	16.632	-0.622
741325	1012928	16.448	-0.716
741334.9	1012927	16.326	-0.644
741344.9	1012927	16.082	-0.652
741354.9	1012926	16.358	-0.670
741364.9	1012925	16.144	-0.727
741374.9	1012925	15.992	-0.749
741384.8	1012924	15.624	-0.784
741394.8	1012923	15.992	-0.674
741404.8	1012923	16.114	-0.668
741414.8	1012922	16.114	-0.701
741424.8	1012921	15.686	-0.727
741434.8	1012921	15.900	-0.712
741444.7	1012920	15.656	-0.760
741454.7	1012919	14.954	-0.751
741464.7	1012919	15.686	-0.790
741474.6	1012918	16.358	-0.718
741484.6	1012917	17.792	-0.735
741494.6	1012917	22.858	0.150
741504.6	1012916	28.442	-0.082
741514.6	1012915	3.602	-1.363
LINE 1100			
741515.9	1012935	40.466	1.036
741505.9	1012936	-15.930	-4.450
741495.9	1012937	17.028	-0.198
741485.9	1012937	18.036	-0.406
741476	1012938	16.480	-0.755
741466	1012939	15.624	-0.801
741456	1012939	14.984	-0.694
741446.1	1012940	14.954	-0.729
741436.1	1012941	14.802	-0.749
741426.1	1012941	14.954	-0.782
741416.1	1012942	15.350	-0.757
741406.1	1012943	15.656	-0.729
741396.1	1012943	15.930	-0.757
741386.2	1012944	15.960	-0.646
741376.2	1012945	15.594	-0.742
741366.3	1012945	15.960	-0.681
741356.3	1012946	15.992	-0.698
741346.3	1012947	16.022	-0.716
741336.3	1012947	16.022	-0.667
741326.3	1012948	16.236	-0.742
741316.3	1012949	16.326	-0.624

Easting	Northing	Conduct.	In-Phase
741306.4	1012949	16.388	-0.709
741296.4	1012950	16.480	-0.725
741286.4	1012951	16.602	-0.633
741276.4	1012951	16.480	-0.731
741266.4	1012952	16.876	-0.654
741256.4	1012953	17.334	-0.643
741246.5	1012953	17.944	-0.589
741236.5	1012954	18.464	-0.519
741226.6	1012955	20.172	-0.494
741216.6	1012955	15.594	-0.814
741206.6	1012956	10.528	-1.025
741196.6	1012957	23.010	-0.132
741186.6	1012957	21.180	-0.277
741176.6	1012958	22.552	0.001
LINE 1120			
741178	1012978	22.004	-0.216
741187.9	1012977	23.102	-0.128
741197.9	1012977	21.332	-0.066
741207.9	1012976	21.698	-0.244
741217.9	1012975	15.350	-0.720
741227.9	1012975	21.118	-0.411
741237.9	1012974	18.676	-0.527
741247.8	1012973	18.188	-0.573
741257.8	1012973	17.272	-0.576
741267.8	1012972	17.028	-0.593
741277.8	1012971	16.846	-0.655
741287.8	1012971	16.784	-0.674
741297.7	1012970	16.510	-0.729
741307.7	1012969	16.694	-0.663
741317.7	1012969	16.724	-0.696
741327.6	1012968	16.602	-0.632
741337.6	1012967	16.480	-0.677
741347.6	1012967	16.326	-0.668
741357.6	1012966	16.144	-0.722
741367.6	1012965	16.022	-0.711
741377.6	1012965	15.594	-0.712
741387.5	1012964	15.136	-0.749
741397.5	1012963	16.114	-0.534
741407.5	1012963	15.412	-0.740
741417.4	1012962	15.716	-0.617
741427.4	1012961	15.198	-0.745
741437.4	1012961	15.228	-0.755
741447.4	1012960	15.046	-0.701
741457.4	1012959	15.380	-0.628
741467.3	1012959	15.046	-0.705
741477.3	1012958	15.412	-0.698
741487.3	1012957	15.594	-0.701
741497.3	1012957	16.448	-0.709
741507.3	1012956	17.182	-0.440
741517.3	1012955	21.942	-0.622
741527.2	1012955	26.428	-0.677

Easting	Northing	Conduct.	In-Phase
741537.2	1012954	31.372	-0.595
LINE 1140			
741538.5	1012974	18.128	-0.701
741528.6	1012975	17.396	-0.639
741518.6	1012975	16.144	-0.722
741508.6	1012976	16.052	-0.703
741498.6	1012977	16.174	-0.718
741488.6	1012977	15.320	-0.687
741478.6	1012978	15.564	-0.742
741468.7	1012979	15.258	-0.718
741458.7	1012979	15.014	-0.749
741448.7	1012980	14.832	-0.747
741438.8	1012981	15.046	-0.780
741428.8	1012981	15.228	-0.758
741418.8	1012982	15.258	-0.709
741408.8	1012983	15.594	-0.698
741398.8	1012983	15.624	-0.565
741388.9	1012984	15.778	-0.755
741378.9	1012985	15.808	-0.705
741368.9	1012985	16.510	-0.687
741358.9	1012986	16.388	-0.714
741348.9	1012987	16.724	-0.681
741338.9	1012987	17.120	-0.604
741329	1012988	16.846	-0.742
741319	1012989	16.784	-0.696
741309	1012989	16.816	-0.679
741299.1	1012990	16.968	-0.604
741289.1	1012991	16.816	-0.729
741279.1	1012991	16.784	-0.611
741269.1	1012992	17.060	-0.486
741259.1	1012993	17.334	-0.591
741249.2	1012993	17.670	-0.531
741239.2	1012994	17.914	-0.542
741229.2	1012995	19.074	-0.474
741219.3	1012995	21.850	-0.402
741209.3	1012996	12.268	-1.003
741199.3	1012997	14.924	-0.610
741189.3	1012997	21.790	-0.135
741179.3	1012998	22.094	-0.207
LINE 1160			
741180.7	1013018	20.690	-0.382
741190.6	1013017	22.248	-0.196
741200.6	1013017	21.606	-0.110
741210.6	1013016	13.702	-0.865
741220.6	1013015	19.288	-0.593
741230.6	1013015	18.952	-0.435
741240.5	1013014	17.762	-0.600
741250.5	1013013	17.456	-0.608
741260.5	1013013	17.272	-0.685
741270.4	1013012	16.968	-0.679
741280.4	1013011	17.060	-0.654

Easting	Northing	Conduct.	In-Phase
741290.4	1013011	16.694	-0.694
741300.4	1013010	16.846	-0.665
741310.4	1013009	16.938	-0.674
741320.3	1013009	16.724	-0.707
741330.3	1013008	17.150	-0.698
741340.3	1013007	16.906	-0.725
741350.3	1013007	16.968	-0.683
741360.3	1013006	17.150	-0.648
741370.3	1013005	16.694	-0.694
741380.2	1013005	16.114	-0.685
741390.2	1013004	15.136	-0.797
741400.2	1013003	15.624	-0.711
741410.1	1013003	15.594	-0.718
741420.1	1013002	15.168	-0.773
741430.1	1013001	15.258	-0.801
741440.1	1013001	14.892	-0.757
741450.1	1013000	15.198	-0.771
741460	1012999	14.862	-0.799
741470	1012999	15.168	-0.757
741480	1012998	15.412	-0.839
741489.9	1012997	15.350	-0.615
741499.9	1012997	15.076	-0.795
741509.9	1012996	15.716	-0.722
741519.9	1012995	15.290	-0.782
741529.9	1012995	15.198	-0.755
741539.9	1012994	15.870	-0.690
LINE 1180			
741541.2	1013014	16.082	-0.760
741531.2	1013014	15.594	-0.696
741521.3	1013015	15.412	-0.736
741511.3	1013016	15.534	-0.709
741501.3	1013016	15.656	-0.718
741491.3	1013017	15.624	-0.677
741481.3	1013018	15.228	-0.729
741471.4	1013018	15.412	-0.729
741461.4	1013019	15.106	-0.735
741451.4	1013020	15.106	-0.667
741441.4	1013020	15.076	-0.667
741431.4	1013021	15.014	-0.731
741421.4	1013022	15.046	-0.784
741411.5	1013022	15.412	-0.720
741401.5	1013023	15.992	-0.654
741391.5	1013024	15.228	-0.565
741381.6	1013024	15.564	-0.115
741371.6	1013025	16.846	0.242
741361.6	1013026	16.816	-0.492
741351.6	1013027	16.602	-0.716
741341.6	1013027	17.182	-0.632
741331.7	1013028	16.784	-0.727
741321.7	1013029	16.418	-0.703
741311.7	1013029	16.694	-0.655

Easting	Northing	Conduct.	In-Phase
741301.8	1013030	16.816	-0.707
741291.8	1013031	16.998	-0.527
741281.8	1013031	16.480	-0.738
741271.8	1013032	16.998	-0.582
741261.8	1013033	17.822	-0.494
741251.8	1013033	17.914	-0.551
741241.9	1013034	17.426	-0.595
741231.9	1013035	17.852	-0.527
741221.9	1013035	18.096	-0.628
741211.9	1013036	18.616	-0.628
741201.9	1013037	9.400	-1.056
741192	1013037	23.682	0.000
741182	1013038	21.058	-0.181
LINE 1200			
741183.3	1013058	21.302	-0.227
741193.3	1013057	22.248	-0.011
741203.3	1013056	14.924	-0.839
741213.3	1013056	14.008	-0.700
741223.3	1013055	18.768	-0.457
741233.2	1013054	17.518	-0.580
741243.2	1013054	17.028	-0.391
741253.2	1013053	17.060	-0.576
741263.1	1013052	17.090	-0.657
741273.1	1013052	16.816	-0.663
741283.1	1013051	16.540	-0.659
741293.1	1013050	16.326	-0.549
741303.1	1013050	16.296	-0.551
741313.1	1013049	16.572	-0.481
741323	1013048	16.510	-0.617
741333	1013048	16.754	-0.621
741343	1013047	17.304	-0.519
741352.9	1013046	16.998	-0.578
741362.9	1013046	16.540	-0.211
741372.9	1013045	15.624	-0.578
741382.9	1013044	14.312	-4.075
741392.9	1013044	11.566	-4.766
741402.8	1013043	16.204	-0.536
741412.8	1013042	15.076	-0.777
741422.8	1013042	14.984	-0.758
741432.8	1013041	14.954	-0.701
741442.8	1013040	15.228	-0.593
741452.8	1013040	15.106	-0.740
741462.7	1013039	15.136	-0.740
741472.7	1013038	15.808	-0.670
741482.7	1013038	15.808	-0.665
741492.6	1013037	15.808	-0.718
741502.6	1013036	15.900	-0.703
741512.6	1013036	16.296	-0.676
741522.6	1013035	16.022	-0.791
741532.6	1013034	16.480	-0.654
741542.5	1013034	16.266	-0.712

Easting	Northing	Conduct.	In-Phase
LINE 1220			
741543.9	1013054	15.320	-0.845
741533.9	1013054	15.472	-0.768
741523.9	1013055	15.380	-0.883
741513.9	1013056	16.326	-0.720
741503.9	1013056	15.870	-0.757
741494	1013057	16.082	-0.701
741484	1013058	15.900	-0.777
741474	1013058	15.564	-0.801
741464.1	1013059	14.984	-0.845
741454.1	1013060	15.136	-0.782
741444.1	1013060	15.228	-0.824
741434.1	1013061	14.984	-0.854
741424.1	1013062	15.350	-0.861
741414.1	1013062	15.136	-0.768
741404.2	1013063	15.594	-0.597
741394.2	1013064	13.366	-2.395
741384.3	1013064	16.602	1.163
741374.3	1013065	16.602	0.104
741364.3	1013066	16.816	0.119
741354.3	1013066	17.060	-0.617
741344.3	1013067	17.060	-0.718
741334.3	1013068	16.784	-0.762
741324.4	1013068	16.784	-0.755
741314.4	1013069	16.480	-0.677
741304.4	1013070	16.602	-0.685
741294.4	1013070	16.326	-0.716
741284.4	1013071	16.968	-0.648
741274.4	1013072	16.448	-0.681
741264.5	1013072	16.816	-0.771
741254.5	1013073	16.540	-0.764
741244.6	1013074	17.090	-0.762
741234.6	1013074	17.120	-0.773
741224.6	1013075	18.676	-0.617
741214.6	1013076	20.324	-0.426
741204.6	1013076	12.726	-1.045
741194.6	1013077	14.984	-0.665
741184.7	1013078	20.874	-0.275
LINE 1240			
741186	1013098	21.912	-0.167
741196	1013097	17.608	-0.644
741205.9	1013096	13.458	-0.810
741215.9	1013096	20.874	-0.440
741225.9	1013095	19.166	-0.514
741235.9	1013094	18.524	-0.564
741245.9	1013094	18.250	-0.674
741255.9	1013093	18.524	-0.586
741265.8	1013092	18.158	-0.617
741275.8	1013092	18.494	-0.729
741285.8	1013091	17.944	-0.668
741295.8	1013090	17.914	-0.632
741305.8	1013090	17.548	-0.703
741315.7	1013089	17.640	-0.687
741325.7	1013088	17.272	-0.786
741335.7	1013088	17.700	-0.665
741345.6	1013087	17.792	-0.676
741355.6	1013086	17.608	-0.661
741365.6	1013086	17.578	-0.503
741375.6	1013085	17.518	-0.202
741385.6	1013084	16.906	-0.268
741395.6	1013084	16.784	-0.560
741405.5	1013083	16.236	-0.749
741415.5	1013082	16.418	-0.681
741425.4	1013082	16.052	-0.769
741435.4	1013081	15.778	-0.817
741445.4	1013080	15.870	-0.727
741455.4	1013080	15.838	-0.757
741465.4	1013079	15.778	-0.714
741475.4	1013078	16.876	-0.494
741485.3	1013078	16.266	-0.689
741495.3	1013077	16.694	-0.624
741505.3	1013076	16.694	-0.768
741515.3	1013076	16.204	-0.674
741525.3	1013075	15.412	-0.586
741535.3	1013074	15.228	-0.751
741545.2	1013074	15.656	-0.740
LINE 1260			
741546.6	1013094	14.802	-0.837
741536.6	1013094	14.678	-0.814
741526.6	1013095	15.046	-0.830
741516.6	1013096	15.168	-0.782
741506.6	1013096	15.870	-0.747
741496.6	1013097	15.624	-0.841
741486.7	1013098	15.686	-0.804
741476.7	1013098	15.168	-0.779
741466.7	1013099	15.350	-0.797
741456.8	1013100	14.924	-0.845
741446.8	1013100	14.984	-0.847
741436.8	1013101	14.892	-0.885
741426.8	1013102	15.228	-0.894
741416.8	1013102	15.838	-0.804
741406.9	1013103	15.686	-0.863
741396.9	1013104	16.174	-0.791
741386.9	1013104	16.572	-0.251
741376.9	1013105	17.762	1.012
741366.9	1013106	17.884	0.312
741356.9	1013106	17.396	-0.501
741347	1013107	18.250	-0.516
741337	1013108	17.944	-0.652
741327	1013108	18.218	-0.705
741317.1	1013109	18.310	-0.674
741307.1	1013110	18.524	-0.676

Easting	Northing	Conduct.	In-Phase
741297.1	1013110	18.920	-0.593
741287.1	1013111	18.738	-0.701
741277.1	1013112	18.738	-0.674
741267.2	1013112	18.738	-0.674
741257.2	1013113	18.738	-0.655
741247.2	1013114	18.676	-0.716
741237.3	1013114	18.768	-0.681
741227.3	1013115	19.378	-0.518
741217.3	1013116	20.234	-0.554
741207.3	1013116	21.424	-0.349
741197.3	1013117	10.376	-1.238
741187.3	1013118	19.134	-0.440
741177.4	1013118	20.844	-0.281
741167.4	1013119	20.812	-0.374
LINE 1280			
741168.8	1013139	20.264	-0.479
741178.7	1013138	22.064	-0.216
741188.7	1013138	20.722	-0.295
741198.6	1013137	14.556	-0.869
741208.6	1013136	15.046	-0.830
741218.6	1013136	20.660	-0.472
741228.6	1013135	19.134	-0.598
741238.6	1013134	19.074	-0.663
741248.6	1013134	19.012	-0.509
741258.5	1013133	19.226	-0.630
741268.5	1013132	19.288	-0.610
741278.5	1013132	19.500	-0.591
741288.4	1013131	19.410	-0.632
741298.4	1013130	19.074	-0.650
741308.4	1013130	18.952	-0.610
741318.4	1013129	19.134	-0.692
741328.4	1013128	18.676	-0.591
741338.3	1013128	18.676	-0.481
741348.3	1013127	19.318	0.060
741358.3	1013126	19.042	0.723
741368.3	1013126	18.342	0.628
741378.3	1013125	17.730	0.714
741388.3	1013124	16.938	0.251
741398.2	1013124	16.816	-0.499
741408.2	1013123	15.992	-0.812
741418.2	1013122	16.114	-0.777
741428.1	1013122	15.594	-0.819
741438.1	1013121	15.502	-0.804
741448.1	1013120	14.924	-0.705
741458.1	1013120	15.136	-0.834
741468.1	1013119	15.014	-0.823
741478	1013118	15.076	-0.802
741488	1013118	15.228	-0.801
741498	1013117	14.954	-0.832
741507.9	1013116	15.716	-0.692
741517.9	1013116	15.106	-0.727

Easting	Northing	Conduct.	In-Phase
741527.9	1013115	14.862	-0.714
741537.9	1013114	14.678	-0.790
741547.9	1013114	14.312	-0.738
LINE 1300			
741549.2	1013134	14.312	-0.832
741539.3	1013134	14.068	-0.942
741529.3	1013135	14.374	-0.885
741519.3	1013136	14.618	-0.850
741509.3	1013136	14.678	-0.797
741499.3	1013137	14.710	-0.885
741489.3	1013138	15.168	-0.782
741479.4	1013138	14.954	-0.852
741469.4	1013139	14.770	-0.819
741459.4	1013140	14.924	-0.826
741449.4	1013140	14.770	-0.843
741439.4	1013141	14.892	-0.869
741429.5	1013142	15.258	-0.795
741419.5	1013142	15.380	-0.848
741409.5	1013143	15.960	-0.806
741399.6	1013144	16.572	-0.788
741389.6	1013144	17.120	-0.523
741379.6	1013145	20.020	2.513
741369.6	1013146	23.072	10.214
741359.6	1013146	14.588	0.424
741349.6	1013147	21.332	1.023
741339.7	1013148	20.142	-0.417
741329.7	1013148	19.866	-0.610
741319.8	1013149	19.622	-0.591
741309.8	1013150	19.196	-0.604
741299.8	1013150	19.958	-0.615
741289.8	1013151	19.866	-0.564
741279.8	1013152	19.562	-0.644
741269.8	1013152	19.256	-0.707
741259.9	1013153	19.440	-0.646
741249.9	1013154	18.646	-0.598
741239.9	1013154	18.890	-0.679
741229.9	1013155	19.134	-0.593
741219.9	1013156	19.134	-0.621
741209.9	1013156	21.240	-0.404
741200	1013157	15.778	-0.922
741190	1013158	14.648	-0.747
741180.1	1013158	21.026	-0.209
741170.1	1013159	21.148	-0.350
LINE 1320			
741171.4	1013179	21.026	-0.395
741181.4	1013178	22.126	-0.266
741191.4	1013178	23.438	-0.022
741201.3	1013177	12.360	-1.043
741211.3	1013176	18.768	-0.571
741221.3	1013176	18.952	-0.606
741231.3	1013175	18.524	-0.655

Easting	Northing	Conduct.	In-Phase
741241.3	1013174	17.730	-0.858
741251.2	1013174	18.464	-0.720
741261.2	1013173	18.464	-0.779
741271.2	1013172	18.676	-0.652
741281.1	1013172	19.134	-0.611
741291.1	1013171	19.288	-0.588
741301.1	1013170	19.104	-0.556
741311.1	1013170	19.378	-0.655
741321.1	1013169	19.776	-0.584
741331.1	1013168	19.470	-0.668
741341	1013168	19.928	-0.281
741351	1013167	20.996	0.275
741360.9	1013166	21.362	1.852
741370.9	1013166	21.210	3.450
741380.9	1013165	19.134	0.850
741390.9	1013164	17.852	-0.387
741400.9	1013164	17.090	-0.591
741410.9	1013163	16.784	-0.650
741420.8	1013162	16.572	-0.821
741430.8	1013162	15.656	-0.779
741440.8	1013161	15.228	-0.821
741450.8	1013160	15.442	-0.757
741460.8	1013160	15.228	-0.821
741470.8	1013159	15.320	-0.745
741480.7	1013158	15.014	-0.870
741490.7	1013158	15.076	-0.773
741500.6	1013157	14.862	-0.867
741510.6	1013156	14.648	-0.821
741520.6	1013155	14.496	-0.841
741530.6	1013155	14.190	-0.896
741540.6	1013154	14.222	-0.836
741550.6	1013153	14.160	-0.946
LINE 1340			
741551.9	1013173	13.824	-0.997
741541.9	1013174	13.854	-0.946
741531.9	1013175	14.190	-0.876
741521.9	1013175	14.190	-0.915
741512	1013176	14.282	-0.931
741502	1013177	14.344	-0.935
741492	1013177	15.076	-0.885
741482.1	1013178	14.802	-0.916
741472.1	1013179	15.380	-0.900
741462.1	1013179	15.442	-0.905
741452.1	1013180	15.564	-0.869
741442.1	1013181	15.656	-0.903
741432.1	1013181	16.510	-0.799
741422.2	1013182	16.236	-0.791
741412.2	1013183	17.060	-0.654
741402.2	1013183	17.304	-0.727
741392.3	1013184	17.242	-0.679
741382.3	1013185	18.554	-0.282

Easting	Northing	Conduct.	In-Phase
741372.3	1013185	19.256	0.610
741362.3	1013186	21.454	3.300
741352.3	1013187	22.278	5.109
741342.4	1013187	19.866	1.701
741332.4	1013188	19.348	-0.248
741322.4	1013189	18.128	-0.727
741312.4	1013189	18.920	-0.692
741302.4	1013190	18.494	-0.760
741292.4	1013191	18.464	-0.751
741282.5	1013191	18.464	-0.663
741272.5	1013192	18.342	-0.722
741262.5	1013193	18.280	-0.701
741252.6	1013193	18.280	-0.764
741242.6	1013194	18.524	-0.683
741232.6	1013195	18.128	-0.709
741222.6	1013196	18.738	-0.689
741212.6	1013196	20.142	-0.560
741202.7	1013197	18.250	-0.679
741192.7	1013198	13.488	-0.957
741182.7	1013198	21.026	-0.001
741172.8	1013199	22.094	-0.420
LINE 1360			
741174.1	1013219	20.690	-0.350
741184.1	1013218	22.064	-0.049
741194	1013217	22.248	-0.018
741204	1013217	11.962	-0.937
741214	1013216	21.454	-0.341
741223.9	1013215	19.226	-0.457
741233.9	1013215	18.250	-0.604
741243.9	1013214	18.402	-0.644
741253.9	1013213	18.586	-0.619
741263.9	1013213	18.708	-0.652
741273.8	1013212	18.342	-0.701
741283.8	1013211	19.134	-0.604
741293.8	1013211	18.952	-0.624
741303.8	1013210	18.768	-0.501
741313.8	1013209	18.738	-0.608
741323.8	1013209	19.042	-0.536
741333.7	1013208	19.074	-0.363
741343.7	1013207	19.928	0.556
741353.7	1013207	22.094	4.022
741363.6	1013206	22.644	5.405
741373.6	1013205	18.432	0.012
741383.6	1013205	18.280	-0.400
741393.6	1013204	17.852	-0.597
741403.6	1013203	17.974	-0.630
741413.5	1013203	17.060	-0.722
741423.5	1013202	17.028	-0.735
741433.5	1013201	16.632	-0.657
741443.4	1013201	16.876	-0.668
741453.4	1013200	16.632	-0.689

Easting	Northing	Conduct.	In-Phase
741463.4	1013199	16.510	-0.582
741473.4	1013199	16.358	-0.661
741483.4	1013198	15.686	-0.683
741493.4	1013197	15.838	-0.742
741503.3	1013197	15.350	-0.639
741513.3	1013196	15.106	-0.758
741523.3	1013195	15.350	-0.867
741533.3	1013195	14.374	-0.696
741543.3	1013194	15.106	-0.797
741553.2	1013193	15.076	-0.795
LINE 1380			
741554.6	1013213	14.802	-0.948
741544.6	1013214	14.556	-0.964
741534.6	1013215	14.648	-0.916
741524.6	1013215	14.892	-0.832
741514.6	1013216	14.832	-0.819
741504.7	1013217	15.136	-0.894
741494.7	1013217	14.984	-0.876
741484.7	1013218	15.502	-0.780
741474.8	1013219	15.472	-0.837
741464.8	1013219	15.594	-0.823
741454.8	1013220	15.960	-0.745
741444.8	1013221	15.808	-0.773
741434.8	1013221	16.144	-0.788
741424.8	1013222	16.388	-0.747
741414.9	1013223	16.816	-0.725
741404.9	1013223	16.418	-0.764
741394.9	1013224	16.906	-0.729
741384.9	1013225	16.784	-0.633
741374.9	1013225	17.640	-0.102
741365	1013226	17.852	-0.850
741355	1013227	25.452	8.217
741345	1013227	22.156	5.047
741335.1	1013228	18.738	-0.145
741325.1	1013229	18.586	-0.501
741315.1	1013229	18.554	-0.676
741305.1	1013230	18.798	-0.654
741295.1	1013231	18.616	-0.683
741285.2	1013231	18.372	-0.705
741275.2	1013232	18.738	-0.771
741265.2	1013233	18.708	-0.683
741255.3	1013233	18.586	-0.745
741245.3	1013234	18.432	-0.740
741235.3	1013235	18.554	-0.744
741225.3	1013235	18.890	-0.670
741215.3	1013236	18.982	-0.681
741205.3	1013237	20.600	-0.455
741195.4	1013237	14.710	-0.981
741185.4	1013238	15.412	-0.711
741175.4	1013239	20.660	-0.194
LINE 1400			

Easting	Northing	Conduct.	In-Phase
741176.8	1013259	21.270	-0.235
741186.7	1013258	17.090	-0.597
741196.7	1013257	12.512	-1.049
741206.7	1013257	19.562	-0.536
741216.6	1013256	19.500	-0.632
741226.6	1013255	18.768	-0.569
741236.6	1013255	17.700	-0.617
741246.6	1013254	18.158	-0.630
741256.6	1013253	18.464	-0.667
741266.6	1013253	18.066	-0.775
741276.5	1013252	18.158	-0.632
741286.5	1013251	17.884	-0.729
741296.5	1013251	18.006	-0.755
741306.4	1013250	18.066	-0.777
741316.4	1013249	18.128	-0.744
741326.4	1013249	18.280	-0.617
741336.4	1013248	18.188	-0.424
741346.4	1013247	18.920	-0.157
741356.3	1013247	19.104	-0.016
741366.3	1013246	17.762	-0.090
741376.3	1013245	16.724	-0.611
741386.3	1013245	16.816	-0.591
741396.3	1013244	16.876	-0.764
741406.3	1013243	16.266	-0.856
741416.2	1013243	16.022	-0.814
741426.2	1013242	16.144	-0.580
741436.2	1013241	15.716	-0.749
741446.1	1013241	15.808	-0.766
741456.1	1013240	15.380	-0.795
741466.1	1013239	15.228	-0.845
741476.1	1013239	15.442	-0.804
741486.1	1013238	14.862	-0.839
741496	1013237	14.434	-0.801
741506	1013237	14.526	-0.775
741516	1013236	14.282	-0.848
741525.9	1013235	14.068	-0.874
741535.9	1013235	14.678	-0.828
741545.9	1013234	14.678	-0.824
741555.9	1013233	14.954	-0.881
LINE 1420			
741557.3	1013253	14.282	-0.982
741547.3	1013254	14.130	-0.972
741537.3	1013255	14.190	-0.992
741527.3	1013255	14.100	-0.964
741517.3	1013256	14.312	-0.940
741507.3	1013257	14.404	-0.929
741497.4	1013257	14.496	-0.900
741487.4	1013258	14.892	-0.867
741477.4	1013259	14.740	-0.931
741467.4	1013259	14.770	-0.926
741457.4	1013260	14.984	-0.749

Easting	Northing	Conduct.	In-Phase
741447.5	1013261	15.046	-0.869
741437.5	1013261	15.564	-0.935
741427.5	1013262	15.716	-0.839
741417.6	1013263	16.082	-0.608
741407.6	1013263	15.808	-0.742
741397.6	1013264	15.930	-0.861
741387.6	1013265	17.090	-0.503
741377.6	1013265	15.412	-0.474
741367.6	1013266	15.564	1.938
741357.7	1013267	17.486	-0.220
741347.7	1013267	18.738	-0.174
741337.7	1013268	17.548	-0.663
741327.8	1013269	17.822	-0.725
741317.8	1013269	17.486	-0.757
741307.8	1013270	17.364	-0.802
741297.8	1013271	17.120	-0.709
741287.8	1013271	17.242	-0.735
741277.9	1013272	17.028	-0.832
741267.9	1013273	17.456	-0.723
741257.9	1013273	17.396	-0.729
741247.9	1013274	18.676	2.996
741237.9	1013275	30.182	13.270
741227.9	1013275	20.324	4.466
741218	1013276	16.144	0.056
741208	1013277	18.432	-0.595
741198	1013277	18.250	-0.593
741188.1	1013278	11.444	-1.135
741178.1	1013279	18.768	-0.389
LINE 1440			
741179.4	1013299	19.744	-0.365
741189.4	1013298	11.872	-1.155
741199.4	1013297	16.236	-0.689
741209.4	1013297	17.670	-0.689
741219.3	1013296	17.486	-0.619
741229.3	1013295	16.662	-0.624
741239.3	1013295	16.662	-0.613
741249.3	1013294	16.906	-0.600
741259.3	1013293	17.670	-0.652
741269.2	1013293	17.426	-0.740
741279.2	1013292	17.334	-0.648
741289.2	1013291	17.242	-0.791
741299.1	1013291	17.334	-0.597
741309.1	1013290	17.364	-0.690
741319.1	1013289	17.396	-0.729
741329.1	1013289	18.096	-0.542
741339.1	1013288	18.250	-0.218
741349.1	1013287	18.494	-0.685
741359	1013287	14.892	-2.092
741369	1013286	18.890	2.579
741378.9	1013285	17.028	-0.152
741388.9	1013285	16.632	-0.621

Easting	Northing	Conduct.	In-Phase
741398.9	1013284	16.906	-0.793
741408.9	1013283	16.236	-0.896
741418.9	1013283	16.326	-0.804
741428.9	1013282	15.930	-0.812
741438.8	1013281	15.412	-0.962
741448.8	1013281	15.564	-0.768
741458.8	1013280	15.320	-0.808
741468.8	1013279	15.442	-0.836
741478.8	1013279	15.106	-0.889
741488.8	1013278	14.770	-0.933
741498.7	1013277	14.802	-0.905
741508.7	1013277	14.710	-0.887
741518.6	1013276	14.740	-0.880
741528.6	1013275	14.222	-0.924
741538.6	1013275	14.710	-0.951
741548.6	1013274	14.678	-0.856
741558.6	1013273	14.282	-0.938
LINE 1460			
741559.9	1013293	14.130	-1.041
741549.9	1013294	14.130	-0.990
741539.9	1013295	14.282	-0.984
741529.9	1013295	14.282	-1.005
741520	1013296	14.526	-0.982
741510	1013297	14.556	-0.960
741500.1	1013297	14.678	-0.931
741490.1	1013298	14.924	-0.944
741480.1	1013299	14.770	-0.913
741470.1	1013299	15.076	-0.931
741460.1	1013300	14.892	-0.893
741450.1	1013301	15.046	-0.893
741440.2	1013301	15.290	-0.878
741430.2	1013302	15.564	-0.891
741420.2	1013303	15.594	-0.982
741410.3	1013303	16.114	-0.801
741400.3	1013304	16.724	-0.812
741390.3	1013305	16.480	-0.736
741380.3	1013305	17.090	-0.663
741370.3	1013306	17.334	-0.492
741360.4	1013307	18.128	0.044
741350.4	1013307	18.280	-0.058
741340.4	1013308	17.548	-0.472
741330.4	1013309	17.608	-0.700
741320.4	1013309	17.334	-0.755
741310.4	1013310	17.548	-0.817
741300.5	1013311	16.998	-0.881
741290.5	1013311	17.518	-0.773
741280.5	1013312	17.212	-0.834
741270.6	1013313	16.846	-0.867
741260.6	1013313	16.694	-0.790
741250.6	1013314	16.724	-0.852
741240.6	1013315	15.992	-0.937

Easting	Northing	Conduct.	In-Phase	Easting	Northing	Conduct.	In-Phase
741230.6	1013315	16.326	-0.841				
741220.7	1013316	15.900	-0.836				
741210.7	1013317	16.662	-0.668				
741200.7	1013317	17.456	-0.672				
741190.8	1013318	13.854	-0.992				
741180.8	1013319	15.106	-0.836				
LINE 1480							
741182.1	1013339	14.710	-1.032				
741192.1	1013338	14.434	-0.962				
741202.1	1013337	17.608	-0.630				
741212	1013337	16.540	-0.676				
741222	1013336	15.838	-0.725				
741232	1013335	15.748	-0.687				
741241.9	1013335	15.748	-0.762				
741251.9	1013334	15.992	-0.727				
741261.9	1013333	16.174	-0.791				
741271.9	1013333	16.846	-0.667				
741281.9	1013332	17.060	-0.801				
741291.8	1013331	17.426	-0.705				
741301.8	1013331	17.548	-0.764				
741311.8	1013330	17.090	-0.806				
741321.8	1013329	17.028	-0.834				
741331.8	1013329	17.028	-0.757				
741341.8	1013328	17.120	-0.461				
741351.7	1013327	18.372	0.769				
741361.7	1013327	17.426	-0.229				
741371.7	1013326	17.242	-0.632				
741381.6	1013325	17.090	-0.769				
741391.6	1013324	17.090	-0.883				
741401.6	1013324	16.938	-0.823				
741411.6	1013323	16.906	-0.808				
741421.6	1013322	16.754	-0.773				
741431.5	1013322	16.204	-0.819				
741441.5	1013321	15.838	-0.817				
741451.5	1013320	15.838	-0.795				
741461.4	1013320	15.106	-0.924				
741471.4	1013319	15.320	-0.810				
741481.4	1013318	14.924	-0.826				
741491.4	1013318	14.770	-0.832				
741501.4	1013317	14.740	-0.916				
741511.4	1013316	14.588	-0.957				
741521.3	1013316	15.076	-0.815				
741531.3	1013315	14.434	-0.889				
741541.3	1013314	15.106	-0.907				
741551.3	1013314	15.076	-0.874				
741561.3	1013313	14.496	-0.885				

Easting	Northing	Conduct.	In-Phase
LINE 1000: SEAD-64A			
750538.5	992508.7	11.536	-0.627
750538.8	992498.7	11.414	-0.355
750539.1	992488.7	11.902	-0.444
750539.4	992478.7	11.688	-0.400
750539.8	992468.7	11.260	-0.502
750540.1	992458.7	11.414	-0.203
750540.4	992448.7	10.986	-0.293
750540.8	992438.8	10.772	-0.293
750541.1	992428.8	10.894	-0.082
750541.4	992418.8	10.956	-0.275
750541.8	992408.8	10.590	-0.403
750542.1	992398.8	11.352	-0.348
750542.4	992388.8	11.474	-0.363
750542.7	992378.8	11.932	-0.148
750543.1	992368.8	11.352	-0.458
750543.4	992358.8	11.108	-0.122
750543.7	992348.8	11.138	-0.197
750544	992338.8	11.810	-0.146
750544.4	992328.8	10.956	-0.405
750544.7	992318.8	11.260	-0.414
750545	992308.8	11.048	-0.541
750545.3	992298.8	11.292	-0.423
750545.6	992288.8	10.956	-0.484
750546	992278.8	10.834	-0.446
750546.3	992268.8	11.352	-0.383
750546.6	992258.8	11.444	-0.172
750546.9	992248.8	10.560	-0.223
750547.3	992238.8	10.040	-0.273
750547.6	992228.8	10.894	-0.278
750547.9	992218.8	10.590	-0.324
LINE 1020			
750568.3	992209.5	10.620	-0.554
750567.9	992219.5	10.650	-0.425
750567.6	992229.5	10.682	-0.444
750567.3	992239.5	10.894	-0.495
750566.9	992249.5	11.138	-0.231
750566.6	992259.4	10.682	-0.495
750566.3	992269.4	10.314	-0.260
750565.9	992279.4	11.260	-0.401
750565.6	992289.4	11.322	-0.405
750565.3	992299.4	11.474	-0.377
750565	992309.4	11.628	-0.286
750564.7	992319.4	11.962	-0.269
750564.3	992329.4	11.872	-0.332
750564	992339.4	12.298	-0.231
750563.7	992349.4	12.512	-0.106
750563.4	992359.4	9.644	-0.605
750563	992369.4	6.500	-3.325
750562.7	992379.4	9.766	0.094
750562.4	992389.4	9.918	-1.702
750562.1	992399.4	8.514	-1.274
750561.8	992409.4	8.606	-1.364
750561.4	992419.4	11.230	-0.166
750561.1	992429.4	11.230	-0.370
750560.8	992439.4	11.536	-0.365
750560.4	992449.4	12.238	-0.385
750560.1	992459.4	12.084	-0.488
750559.8	992469.4	11.932	-0.357
750559.4	992479.4	12.054	-0.352
750559.1	992489.4	12.146	-0.243
750558.8	992499.3	11.474	-0.401
750558.4	992509.3	11.596	-0.381
LINE 1040			
750578.4	992510	12.298	-0.488
750578.8	992500	12.664	-0.262
750579.1	992490	11.932	0.246
750579.4	992480	12.360	-0.486
750579.8	992470	12.390	-0.394
750580.1	992460	12.390	-0.532
750580.4	992450	12.268	-0.385
750580.8	992440	12.054	-0.728
750581.1	992430	12.268	-0.339
750581.4	992420.1	12.208	-0.363
750581.7	992410.1	12.696	-0.205
750582.1	992400.1	12.024	-0.504
750582.4	992390.1	12.238	-0.232
750582.7	992380.1	13.702	-0.469
750583	992370.1	12.574	0.333
750583.4	992360.1	1.160	-14.177
750583.7	992350.1	-38.696	-31.043
750584	992340.1	-36.744	-31.044
750584.3	992330.1	-26.672	-27.983
750584.6	992320.1	16.540	1.700
750585	992310.1	12.786	0.048
750585.3	992300.1	12.116	-0.015
750585.6	992290.1	11.444	-0.258
750585.9	992280.1	11.506	-0.054
750586.3	992270.1	11.170	-0.298
750586.6	992260.1	11.628	-0.339
750586.9	992250.1	11.138	-0.262
750587.3	992240.1	11.200	-0.411
750587.6	992230.1	11.628	-0.153
750587.9	992220.1	10.742	-0.427
LINE 1060			
750608.3	992210.8	11.078	-0.626
750607.9	992220.8	11.536	-0.480
750607.6	992230.8	11.718	-0.444
750607.3	992240.8	11.628	-0.655
750606.9	992250.8	11.658	-0.594

Easting	Northing	Conduct.	In-Phase
750606.6	992260.8	11.596	-0.589
750606.3	992270.8	11.384	-0.525
750605.9	992280.8	11.718	-0.405
750605.6	992290.8	12.208	-0.253
750605.3	992300.8	12.818	0.073
750604.9	992310.8	3.602	-6.092
750604.6	992320.8	-9.644	-13.452
750604.3	992330.8	-7.171	-17.381
750604	992340.8	10.406	-0.251
750603.7	992350.8	10.926	-1.114
750603.3	992360.8	13.000	-0.306
750603	992370.7	12.420	-0.855
750602.7	992380.7	12.542	-0.423
750602.4	992390.7	12.726	-0.501
750602	992400.7	12.360	-0.609
750601.7	992410.7	12.786	-0.473
750601.4	992420.7	12.420	-0.444
750601.1	992430.7	12.482	-0.670
750600.8	992440.7	12.756	-0.361
750600.4	992450.7	12.146	-0.519
750600.1	992460.7	12.208	-0.453
750599.8	992470.7	12.360	-0.539
750599.4	992480.6	11.932	-0.372
750599.1	992490.6	12.146	-0.480
750598.8	992500.6	12.054	-0.627
750598.4	992510.6	11.902	-0.306
LINE 1080			
750618.4	992511.3	11.962	-0.541
750618.8	992501.3	12.542	-0.793
750619.1	992491.3	11.932	-0.600
750619.4	992481.3	12.084	-0.653
750619.8	992471.3	12.054	-0.615
750620.1	992461.3	12.176	-0.629
750620.4	992451.3	12.024	-0.536
750620.7	992441.3	12.238	-0.697
750621.1	992431.3	12.330	-0.605
750621.4	992421.3	12.024	-0.394
750621.7	992411.4	12.360	-0.719
750622	992401.4	12.208	-0.681
750622.4	992391.4	12.756	-0.460
750622.7	992381.4	12.940	-0.438
750623	992371.4	12.908	-0.475
750623.3	992361.4	12.726	-0.530
750623.6	992351.4	12.604	-0.490
750624	992341.4	13.398	-0.975
750624.3	992331.4	12.452	0.478
750624.6	992321.4	11.566	-0.561
750624.9	992311.4	9.766	-1.208
750625.3	992301.4	13.794	0.729
750625.6	992291.4	13.580	0.130
750625.9	992281.4	13.824	-0.150
750626.3	992271.4	12.084	-0.493
750626.6	992261.4	11.658	-0.565
750626.9	992251.4	11.872	-0.574
750627.3	992241.4	11.932	-0.534
750627.6	992231.4	11.536	-0.616
750627.9	992221.4	11.474	-0.563
750628.2	992211.4	11.322	-1.034
LINE 1100			
750648.2	992212.1	11.658	-0.580
750647.9	992222.1	11.474	-0.479
750647.6	992232.1	11.780	-0.422
750647.3	992242.1	12.208	-0.565
750646.9	992252.1	11.810	-0.484
750646.6	992262.1	11.962	-0.501
750646.3	992272.1	11.932	-0.501
750645.9	992282.1	12.116	-0.333
750645.6	992292.1	12.208	-0.482
750645.3	992302.1	12.786	-0.381
750644.9	992312.1	3.082	-7.268
750644.6	992322.1	9.736	-1.370
750644.3	992332.1	-1.922	-12.369
750643.9	992342.1	9.614	-2.766
750643.6	992352	10.956	-0.159
750643.3	992362	10.376	-1.491
750643	992372	12.512	-0.576
750642.7	992382	12.298	-0.512
750642.3	992392	12.604	-0.486
750642	992402	12.664	-0.495
750641.7	992412	12.390	-0.730
750641.4	992422	12.848	-0.276
750641	992432	12.482	-0.451
750640.7	992442	12.512	-0.563
750640.4	992452	11.750	-0.594
750640.1	992462	12.390	-0.508
750639.8	992471.9	12.512	-0.519
750639.4	992481.9	12.268	-0.442
750639.1	992491.9	11.994	-0.372
750638.8	992501.9	11.750	-0.271
750638.4	992511.9	13.062	-0.385
LINE 1120			
750658.4	992512.6	12.298	-0.848
750658.8	992502.6	12.084	-0.774
750659.1	992492.6	12.084	-0.955
750659.4	992482.6	12.054	-0.890
750659.7	992472.6	12.084	-0.828
750660.1	992462.6	11.872	-0.901
750660.4	992452.6	11.872	-0.807
750660.7	992442.6	12.146	-0.879
750661	992432.6	12.116	-0.890
750661.4	992422.6	11.810	-0.818
750661.7	992412.6	11.902	-0.802

Easting	Northing	Conduct.	In-Phase
750662	992402.7	11.872	-0.890
750662.3	992392.7	11.718	-0.912
750662.6	992382.7	11.688	-0.830
750663	992372.7	12.208	-0.734
750663.3	992362.7	0.092	-8.517
750663.6	992352.7	11.872	0.119
750663.9	992342.7	10.620	-1.225
750664.3	992332.7	4.516	-4.745
750664.6	992322.7	8.332	-1.427
750664.9	992312.7	8.972	-1.682
750665.3	992302.7	11.962	-0.932
750665.6	992292.7	11.780	-0.921
750665.9	992282.8	12.054	-0.910
750666.3	992272.8	11.260	-0.896
750666.6	992262.8	11.292	-0.999
750666.9	992252.8	11.872	-0.870
750667.2	992242.8	11.566	-0.910
750667.6	992232.8	11.292	-0.934
750667.9	992222.8	10.712	-1.054
LINE 1140			
750687.9	992223.4	10.864	-1.140
750687.6	992233.4	11.506	-0.967
750687.2	992243.4	11.352	-1.004
750686.9	992253.4	11.872	-0.958
750686.6	992263.4	11.352	-1.024
750686.3	992273.4	11.474	-0.940
750685.9	992283.4	11.932	-0.890
750685.6	992293.4	11.688	-0.934
750685.3	992303.4	11.688	-0.973
750684.9	992313.4	11.352	-0.785
750684.6	992323.4	7.996	0.007
750684.3	992333.4	11.628	-0.225
750683.9	992343.3	10.070	-2.099
750683.6	992353.3	11.384	-0.839
750683.3	992363.3	10.864	-1.046
750682.9	992373.3	12.360	-0.728
750682.6	992383.3	12.268	-0.710
750682.3	992393.3	9.034	-2.724
750682	992403.3	11.688	-1.164
750681.7	992413.3	12.024	-0.804
750681.3	992423.3	12.208	-0.850
750681	992433.3	12.542	-0.673
750680.7	992443.3	12.176	-0.870
750680.4	992453.3	11.718	-1.037
750680	992463.3	11.292	-1.607
750679.7	992473.3	11.718	-1.079
750679.4	992483.3	12.116	-0.761
750679.1	992493.3	12.298	-0.727
750678.8	992503.3	12.146	-0.763
750678.4	992513.3	12.512	-0.774
LINE 1160			
750698.4	992513.9	13.276	-0.306
750698.7	992503.9	13.336	-0.385
750699.1	992493.9	12.024	-0.495
750699.4	992483.9	9.094	-0.958
750699.7	992473.9	9.094	-2.222
750700	992463.9	13.000	-0.741
750700.4	992453.9	13.062	-0.589
750700.7	992443.9	13.366	-0.537
750701	992433.9	13.824	-0.554
750701.3	992423.9	13.580	-0.480
750701.6	992413.9	11.962	-0.758
750702	992403.9	12.664	-0.673
750702.3	992393.9	12.574	-0.789
750702.6	992384	12.908	-0.536
750702.9	992374	13.154	-0.780
750703.3	992364	11.474	0.171
750703.6	992354	10.804	1.858
750703.9	992344	11.138	-0.561
750704.3	992334	5.828	-4.453
750704.6	992324	2.686	-0.886
750704.9	992314	13.306	-0.074
750705.3	992304	12.664	-0.587
750705.6	992294	12.330	-0.738
750705.9	992284	12.390	-0.763
750706.2	992274	12.786	-0.710
750706.6	992264.1	12.848	-0.699
750706.9	992254.1	12.512	-0.703
750707.2	992244.1	12.756	-0.660
750707.5	992234.1	12.756	-0.734
750707.9	992224.1	12.452	-0.822
750708.2	992214.1	12.452	-0.616
LINE 1180			
750728.2	992214.7	12.664	-0.565
750727.8	992224.7	12.696	-0.440
750727.5	992234.7	12.878	-0.569
750727.2	992244.7	12.818	-0.499
750726.9	992254.7	12.818	-0.537
750726.6	992264.7	12.940	-0.539
750726.2	992274.7	13.244	-0.317
750725.9	992284.7	12.940	-0.479
750725.6	992294.7	12.908	-0.506
750725.3	992304.7	13.032	-0.464
750724.9	992314.7	13.000	-0.572
750724.6	992324.7	13.398	-0.491
750724.3	992334.6	13.458	-0.464
750723.9	992344.6	13.154	-0.372
750723.6	992354.6	11.840	-0.449
750723.3	992364.6	11.628	-0.964
750722.9	992374.6	13.642	-0.210
750722.6	992384.6	13.824	-0.267
750722.3	992394.6	13.306	-0.359

Easting	Northing	Conduct.	In-Phase
750721.9	992404.6	13.672	-0.297
750721.6	992414.6	13.154	-0.422
750721.3	992424.6	13.550	-0.486
750721	992434.6	13.488	-0.387
750720.7	992444.6	12.726	-0.594
750720.3	992454.6	12.878	-0.477
750720	992464.6	13.398	-0.523
750719.7	992474.6	13.854	-0.475
750719.4	992484.6	2.288	-4.427
750719	992494.6	9.582	-5.298
750718.7	992504.6	13.184	-0.254
750718.4	992514.6	13.488	0.165
LINE 1200			
750738.4	992515.2	11.872	-0.129
750738.7	992505.2	13.184	-0.633
750739	992495.3	13.520	-0.565
750739.3	992485.3	13.642	-0.438
750739.7	992475.3	13.794	-0.499
750740	992465.3	13.214	-0.613
750740.3	992455.3	13.610	-0.512
750740.6	992445.3	13.428	-0.622
750741	992435.3	13.398	-0.589
750741.3	992425.3	13.032	-0.390
750741.6	992415.3	12.390	-0.231
750741.9	992405.3	12.604	-0.199
750742.3	992395.3	13.336	-0.556
750742.6	992385.3	13.214	-2.073
750742.9	992375.3	10.468	-1.517
750743.3	992365.3	12.542	-0.736
750743.6	992355.3	11.902	-0.170
750743.9	992345.3	10.070	-4.550
750744.3	992335.3	7.050	-5.572
750744.6	992325.3	13.276	-0.633
750744.9	992315.3	13.032	-0.670
750745.2	992305.3	13.366	-0.565
750745.6	992295.3	12.970	-0.414
750745.9	992285.3	12.940	-0.477
750746.2	992275.3	13.092	-0.486
750746.5	992265.3	13.214	-0.539
750746.9	992255.4	13.398	-0.547
750747.2	992245.4	13.276	-0.484
750747.5	992235.4	13.092	-0.429
750747.8	992225.4	12.848	-0.473
750748.1	992215.4	12.696	-1.138
LINE 1220			
750768.1	992216	12.818	-0.758
750767.8	992226	12.818	-0.583
750767.5	992236	12.940	-0.631
750767.2	992246	13.276	-0.670
750766.8	992256	13.214	-0.734
750766.5	992266	12.970	-0.898

Easting	Northing	Conduct.	In-Phase
750766.2	992276	13.000	-0.618
750765.9	992286	13.184	-0.565
750765.6	992296	12.940	-0.548
750765.2	992306	13.122	-0.611
750764.9	992315.9	13.184	-0.593
750764.6	992325.9	13.276	-0.580
750764.3	992335.9	13.000	-0.528
750763.9	992345.9	13.276	-0.640
750763.6	992355.9	11.566	-0.469
750763.3	992365.9	11.506	-0.863
750762.9	992375.9	12.298	-0.879
750762.6	992385.9	10.468	-0.593
750762.3	992395.9	8.544	-3.977
750761.9	992405.9	13.458	-1.125
750761.6	992415.9	13.092	-0.806
750761.3	992425.9	12.634	-0.651
750760.9	992435.9	13.398	-0.672
750760.6	992445.9	13.764	-0.513
750760.3	992455.9	13.732	-0.624
750760	992465.9	13.764	-0.543
750759.7	992475.9	13.306	-0.506
750759.3	992485.9	12.330	-2.149
750759	992495.9	14.008	-0.295
750758.7	992505.9	12.848	-1.311
750758.4	992515.9	13.916	-0.664
LINE 1240			
750778.3	992516.5	14.404	-0.348
750778.7	992506.5	11.840	-2.391
750779	992496.5	13.092	-0.806
750779.3	992486.5	13.214	-0.721
750779.6	992476.6	14.190	-0.446
750780	992466.6	14.924	-0.100
750780.3	992456.6	15.136	-0.082
750780.6	992446.6	14.374	-0.118
750780.9	992436.6	14.222	-0.227
750781.3	992426.6	14.496	-0.214
750781.6	992416.6	14.160	-0.387
750781.9	992406.6	13.154	-0.844
750782.3	992396.6	14.924	-0.227
750782.6	992386.6	13.458	-0.468
750782.9	992376.6	12.482	-1.436
750783.3	992366.6	10.650	-3.503
750783.6	992356.6	12.878	-0.194
750783.9	992346.6	12.786	-0.569
750784.2	992336.6	12.786	-0.776
750784.6	992326.6	12.756	-0.629
750784.9	992316.6	12.940	-0.616
750785.2	992306.6	12.848	-0.504
750785.5	992296.6	13.000	-0.440
750785.9	992286.6	13.276	-0.471
750786.2	992276.6	12.970	-0.532

Easting	Northing	Conduct.	In-Phase
750786.5	992266.6	13.366	-0.662
750786.8	992256.6	12.940	-0.580
750787.1	992246.7	13.520	-0.350
750787.5	992236.7	13.398	-0.567
LINE 1260			
750807.5	992237.3	12.848	-0.732
750807.1	992247.3	12.786	-0.784
750806.8	992257.3	13.214	-0.556
750806.5	992267.3	13.244	-0.580
750806.2	992277.3	13.092	-0.497
750805.8	992287.3	12.604	-0.554
750805.5	992297.3	13.000	-0.552
750805.2	992307.3	12.970	-0.537
750804.9	992317.3	12.664	-0.659
750804.6	992327.3	12.818	-0.659
750804.2	992337.3	12.848	-0.662
750803.9	992347.3	12.726	-0.758
750803.6	992357.3	13.032	-0.640
750803.3	992367.3	13.854	-0.186
750802.9	992377.3	13.488	-0.423
750802.6	992387.3	14.648	-0.298
750802.3	992397.3	14.374	-0.583
750801.9	992407.3	14.466	-0.513
750801.6	992417.3	12.786	-0.846
750801.3	992427.2	16.326	0.445
750800.9	992437.2	20.264	1.731
750800.6	992447.2	25.726	3.443
750800.3	992457.2	36.682	5.830
750799.9	992467.2	9.368	-5.315
750799.6	992477.2	9.186	-13.519
750799.3	992487.2	19.806	-0.012
750799	992497.2	16.572	1.086
750798.7	992507.2	17.608	2.335
750798.3	992517.2	21.636	4.463
LINE 1280			
750819.9	992467.9	57.374	44.828
750820.3	992457.9	14.160	-13.679
750820.6	992447.9	60.974	25.450
750820.9	992437.9	26.612	11.466
750821.3	992427.9	19.776	-5.074
750821.6	992417.9	18.280	1.496
750821.9	992407.9	14.556	-0.348
750822.3	992397.9	13.764	-0.820
750822.6	992387.9	13.886	-0.602
750822.9	992377.9	13.520	-0.638
750823.2	992367.9	13.092	-0.686
750823.6	992357.9	12.696	-0.739
750823.9	992347.9	12.786	-0.686
750824.2	992337.9	12.116	-0.870
750824.5	992327.9	13.092	-0.664
750824.9	992317.9	13.580	-0.743

Easting	Northing	Conduct.	In-Phase
750825.2	992307.9	13.550	-0.747
750825.5	992297.9	12.542	-0.716
750825.8	992287.9	13.062	-0.739
750826.1	992277.9	13.000	-0.771
750826.5	992267.9	13.032	-0.738
750826.8	992257.9	13.458	-0.662
750827.1	992247.9	13.214	-0.743
LINE 1300			
750847.1	992248.6	13.184	-0.773
750846.8	992258.6	13.702	-0.686
750846.5	992268.6	13.520	-0.673
750846.1	992278.6	13.458	-0.543
750845.8	992288.6	12.940	-0.486
750845.5	992298.6	12.574	-0.572
750845.2	992308.6	12.360	-0.521
750844.8	992318.6	11.810	-0.789
750844.5	992328.6	11.902	-0.651
750844.2	992338.6	12.360	-0.642
750843.9	992348.6	12.482	-0.723
750843.6	992358.6	13.092	-0.662
750843.2	992368.6	13.764	-0.565
750842.9	992378.6	13.306	-0.646
750842.6	992388.6	13.946	-0.626
750842.3	992398.6	13.458	-0.624
750841.9	992408.5	13.184	-0.570
750841.6	992418.5	13.428	-0.532
750841.3	992428.5	14.190	0.255
750840.9	992438.5	14.344	-4.565
750840.6	992448.5	5.982	0.522
750840.3	992458.5	16.326	0.423
750839.9	992468.5	8.178	-0.953
750839.6	992478.5	12.574	-1.509
750839.3	992488.5	11.016	-2.808
LINE 1320			
750858.3	992519.1	129.212	44.582
750858.6	992509.1	22.706	5.591
750858.9	992499.1	14.954	0.606
750859.3	992489.1	13.276	-0.504
750859.6	992479.1	13.794	-0.519
750859.9	992469.1	13.550	-0.616
750860.3	992459.1	13.458	-0.403
750860.6	992449.2	12.940	-0.525
750860.9	992439.2	13.244	-0.433
750861.3	992429.2	12.848	-0.662
750861.6	992419.2	12.878	-0.670
750861.9	992409.2	13.062	-0.695
750862.2	992399.2	13.276	-0.695
750862.6	992389.2	13.032	-0.664
750862.9	992379.2	12.512	-0.769
750863.2	992369.2	13.398	-0.615
750863.5	992359.2	13.366	-0.561

Easting	Northing	Conduct.	In-Phase
750863.9	992349.2	13.398	-0.642
750864.2	992339.3	13.336	-0.686
750864.5	992329.3	13.184	-0.776
750864.8	992319.3	13.276	-0.771
750865.1	992309.3	12.940	-0.642
750865.5	992299.3	12.726	-0.796
750865.8	992289.3	13.428	-0.853
750866.1	992279.3	13.306	-0.916
750866.4	992269.3	13.366	-0.668
750866.8	992259.3	13.610	-0.703
750867.1	992249.3	13.642	-0.692
LINE 1340			
750887.1	992249.9	13.154	-0.855
750886.8	992259.9	12.482	-0.809
750886.4	992269.9	12.390	-0.754
750886.1	992279.9	12.390	-0.795
750885.8	992289.9	12.696	-0.754
750885.5	992299.9	13.184	-0.565
750885.1	992309.9	13.672	-0.618
750884.8	992319.9	13.642	-0.624
750884.5	992329.9	13.336	-0.725
750884.2	992339.9	13.398	-0.638
750883.8	992349.9	13.184	-0.681
750883.5	992359.9	13.366	-0.583
750883.2	992369.9	12.878	-0.688
750882.9	992379.9	12.696	-0.745
750882.6	992389.9	12.664	-0.776
750882.2	992399.8	12.420	-0.703
750881.9	992409.8	12.330	-0.743
750881.6	992419.8	12.084	-0.668
750881.3	992429.8	12.664	-0.442
750880.9	992439.8	12.482	-0.574
750880.6	992449.8	12.238	-0.627
750880.3	992459.8	12.298	-0.629
750879.9	992469.8	12.116	-0.657
750879.6	992479.8	12.878	-0.578
750879.3	992489.8	12.482	-0.618
750878.9	992499.8	13.520	-0.278
750878.6	992509.8	19.990	4.904
750878.3	992519.8	124.206	44.475
LINE 1360			
750898.3	992520.4	15.380	2.607
750898.6	992510.4	13.032	0.950
750898.9	992500.4	11.444	-0.310
750899.3	992490.4	10.956	-0.701
750899.6	992480.4	10.620	-0.763
750899.9	992470.4	11.078	-0.793
750900.3	992460.4	11.780	-0.495
750900.6	992450.4	11.840	-0.491
750900.9	992440.5	11.352	-0.672
750901.2	992430.5	11.352	-0.629
750901.6	992420.5	11.658	-0.604
750901.9	992410.5	11.718	-0.548
750902.2	992400.5	11.810	-0.561
750902.5	992390.5	12.054	-0.616
750902.9	992380.5	12.024	-0.624
750903.2	992370.5	12.268	-0.493
750903.5	992360.5	12.116	-0.574
750903.8	992350.5	11.688	-0.705
750904.1	992340.5	11.506	-0.809
750904.5	992330.5	11.444	-0.655
750904.8	992320.6	11.260	-0.787
750905.1	992310.6	11.170	-0.793
750905.4	992300.6	11.506	-0.767
750905.8	992290.6	11.414	-0.841
750906.1	992280.6	11.566	-0.714
750906.4	992270.6	11.596	-0.769
750906.8	992260.6	11.596	-0.826

Easting	Northing	Conduct.	In-Phase
LINE 1000: SEAD-64B			
748343	985804.3	18.218	0.784
748353	985804.8	18.524	2.419
748363	985805.3	16.754	-0.418
748372.9	985805.8	19.866	-0.073
748382.9	985806.3	22.674	0.595
748392.9	985806.8	27.710	1.690
748402.9	985807.3	43.458	3.891
748412.9	985807.8	15.778	-3.070
748422.9	985808.3	40.008	3.193
748432.9	985808.8	34.698	8.419
748442.9	985809.3	165.864	20.665
748452.9	985809.8	144.500	17.273
748462.9	985810.3	137.818	17.723
748472.8	985810.8	134.736	17.174
748482.8	985811.3	156.646	19.745
748492.8	985811.8	118.714	14.642
748502.8	985812.3	126.892	16.191
748512.8	985812.8	62.438	6.951
748522.8	985813.3	94.940	13.115
748532.8	985813.8	27.314	2.030
748542.8	985814.3	88.012	14.332
748552.8	985814.8	159.272	29.457
748562.8	985815.3	95.764	-10.682
748572.7	985815.8	88.897	18.324
748582.7	985816.3	113.342	20.219
748592.7	985816.8	138.702	26.021
748602.7	985817.3	112.854	20.090
748612.7	985817.8	82.672	12.994
748622.6	985818.3	81.604	12.968
748632.6	985818.7	90.516	14.997
748642.6	985819.2	90.394	15.272
748652.6	985819.7	90.210	15.105
748662.6	985820.2	70.922	11.208
748672.6	985820.7	76.934	12.617
748682.6	985821.2	96.832	15.497
748692.6	985821.7	84.656	11.245
748702.6	985822.2	86.670	11.776
748712.6	985822.7	76.630	10.203
748722.5	985823.2	63.690	7.349
748732.5	985823.7	103.760	12.834
748742.5	985824.2	97.442	11.164
LINE 1020			
748741.5	985844.2	23.774	1.174
748731.5	985843.7	26.764	1.242
748721.5	985843.2	30.030	1.245
748711.6	985842.7	32.868	1.495
748701.6	985842.2	34.516	1.681
748691.6	985841.7	36.164	2.945
748681.6	985841.2	35.950	2.339
748671.6	985840.7	36.712	2.333
748661.6	985840.2	40.008	2.631
748651.6	985839.7	41.046	2.265
748641.6	985839.2	44.526	3.039
748631.6	985838.7	39.002	2.816
748621.6	985838.2	35.278	3.305
748611.7	985837.7	35.126	2.923
748601.7	985837.2	36.042	4.250
748591.7	985836.7	36.224	2.666
748581.7	985836.2	31.006	1.341
748571.7	985835.7	33.294	2.436
748561.8	985835.2	31.952	1.870
748551.8	985834.7	32.318	1.872
748541.8	985834.2	28.930	1.734
748531.8	985833.8	26.642	1.308
748521.8	985833.3	26.856	1.297
748511.8	985832.8	26.092	1.330
748501.8	985832.3	24.780	1.177
748491.8	985831.8	24.140	1.620
748481.8	985831.3	24.628	1.486
748471.8	985830.8	23.102	1.341
748461.9	985830.3	21.210	1.209
748451.9	985829.8	21.332	1.440
748441.9	985829.3	24.414	1.708
748431.9	985828.8	27.526	2.001
748421.9	985828.3	33.660	3.551
748411.9	985827.8	43.762	4.656
748401.9	985827.3	-33.906	1.267
748391.9	985826.8	21.392	-4.187
748381.9	985826.3	2.656	-4.082
748371.9	985825.8	48.340	5.280
748362	985825.3	28.594	1.912
748352	985824.8	21.514	0.676
748342	985824.3	18.342	0.236
LINE 1040			
748341	985844.3	29.174	2.153
748351	985844.8	39.154	4.277
748361	985845.3	50.568	4.768
748371	985845.8	-14.618	-7.827
748380.9	985846.3	49.958	8.926
748390.9	985846.8	40.284	2.941
748400.9	985847.3	42.510	2.237
748410.9	985847.8	27.282	0.927
748420.9	985848.3	20.234	1.089
748430.9	985848.8	18.096	0.598
748440.9	985849.3	16.724	0.894
748450.9	985849.8	16.968	0.643
748460.9	985850.2	16.602	0.852
748470.9	985850.7	16.846	0.567
748480.8	985851.2	17.120	0.881
748490.8	985851.7	16.846	0.220
748500.8	985852.2	16.938	0.056

Easting	Northing	Conduct.	In-Phase
748510.8	985852.7	16.388	-0.042
748520.8	985853.2	17.060	0.148
748530.8	985853.7	16.906	-0.051
748540.8	985854.2	17.272	0.376
748550.8	985854.7	16.938	0.176
748560.8	985855.2	16.082	-0.023
748570.8	985855.7	17.334	0.282
748580.7	985856.2	17.762	0.222
748590.7	985856.7	19.042	0.323
748600.7	985857.2	19.074	0.271
748610.7	985857.7	19.288	0.086
748620.7	985858.2	19.532	0.148
748630.6	985858.7	19.288	0.000
748640.6	985859.2	18.646	-0.033
748650.6	985859.7	19.714	0.970
748660.6	985860.2	18.464	0.064
748670.6	985860.7	18.586	-0.202
748680.6	985861.1	18.250	0.121
748690.6	985861.6	17.792	0.183
748700.6	985862.1	18.342	-0.101
748710.6	985862.6	18.464	-0.047
748720.6	985863.1	16.572	-0.236
748730.5	985863.6	16.876	-0.154
748740.5	985864.1	16.662	-0.314
LINE 1060			
748739.5	985884.1	14.282	-0.497
748729.5	985883.6	14.404	-0.573
748719.6	985883.1	13.702	-0.396
748709.6	985882.6	14.252	-0.349
748699.6	985882.1	13.978	-0.159
748689.6	985881.6	14.770	-0.490
748679.6	985881.1	15.380	-0.512
748669.6	985880.6	15.198	-0.295
748659.6	985880.1	15.076	-0.242
748649.6	985879.6	15.380	0.117
748639.6	985879.1	16.602	0.045
748629.6	985878.6	15.900	-0.525
748619.7	985878.1	15.014	-0.430
748609.7	985877.6	15.136	-0.602
748599.7	985877.1	18.188	0.286
748589.7	985876.6	17.822	-0.387
748579.7	985876.2	17.670	-0.306
748569.8	985875.7	15.594	-0.203
748559.8	985875.2	14.832	0.203
748549.8	985874.7	14.770	-0.229
748539.8	985874.2	15.106	0.080
748529.8	985873.7	15.290	-0.077
748519.8	985873.2	15.716	-0.305
748509.8	985872.7	16.052	0.033
748499.8	985872.2	15.564	-0.207
748489.8	985871.7	15.870	-0.104

Easting	Northing	Conduct.	In-Phase
748479.8	985871.2	15.014	0.088
748469.9	985870.7	16.510	-0.191
748459.9	985870.2	14.770	-0.134
748449.9	985869.7	14.924	-0.141
748439.9	985869.2	14.588	-0.044
748429.9	985868.7	14.924	0.457
748419.9	985868.2	15.534	0.771
748409.9	985867.7	16.572	0.363
748399.9	985867.2	21.850	0.196
748389.9	985866.7	26.368	0.769
748379.9	985866.2	34.180	1.438
748370	985865.7	27.588	2.583
748360	985865.3	11.596	6.673
748350	985864.8	-18.250	-6.388
748340	985864.3	29.846	2.829
LINE 1080			
748319.1	985883.2	-27.130	-7.754
748329	985883.7	59.936	7.316
748339	985884.2	42.176	7.035
748349	985884.7	16.388	2.912
748359	985885.2	33.570	1.383
748369	985885.7	25.238	0.437
748378.9	985886.2	21.332	0.474
748388.9	985886.7	16.266	0.161
748398.9	985887.2	14.984	0.907
748408.9	985887.7	17.150	-0.316
748418.9	985888.2	16.724	-0.321
748428.9	985888.7	15.046	0.406
748438.9	985889.2	14.678	-0.354
748448.9	985889.7	14.984	-0.470
748458.9	985890.2	15.380	-0.211
748468.9	985890.7	15.534	-0.157
748478.9	985891.2	15.168	-0.049
748488.8	985891.7	15.808	-0.352
748498.8	985892.1	15.076	-0.369
748508.8	985892.6	14.892	0.000
748518.8	985893.1	14.404	-0.202
748528.8	985893.6	14.252	0.211
748538.8	985894.1	14.924	-0.361
748548.8	985894.6	14.954	-0.365
748558.8	985895.1	14.862	-0.189
748568.8	985895.6	15.106	-0.211
748578.8	985896.1	14.954	-0.376
748588.7	985896.6	14.434	-0.496
748598.7	985897.1	13.642	-0.428
748608.7	985897.6	13.672	0.437
748618.7	985898.1	14.648	0.152
748628.7	985898.6	15.136	-0.325
748638.6	985899.1	14.496	-0.270
748648.6	985899.6	14.038	-0.440
748658.6	985900.1	14.282	-0.369

Easting	Northing	Conduct.	In-Phase
748668.6	985900.6	13.520	0.790
748678.6	985901.1	15.136	-0.345
748688.6	985901.6	14.282	-0.670
748698.6	985902.1	14.954	-0.270
748708.6	985902.6	14.466	-0.047
748718.6	985903.1	13.886	-0.246
748728.6	985903.6	14.618	-0.316
748738.5	985904.1	13.732	-0.439
LINE 1100			
748737.5	985924.1	14.344	-0.481
748727.6	985923.6	14.038	-0.757
748717.6	985923.1	15.198	-0.409
748707.6	985922.6	14.252	-0.332
748697.6	985922.1	13.946	-0.157
748687.6	985921.6	13.642	-0.573
748677.6	985921.1	13.854	-0.663
748667.6	985920.6	13.672	-0.677
748657.6	985920.1	14.404	-0.516
748647.6	985919.6	15.320	-0.369
748637.6	985919.1	14.770	-0.707
748627.7	985918.6	15.106	-0.110
748617.7	985918.1	15.930	-0.595
748607.7	985917.6	15.992	-0.654
748597.7	985917.1	14.618	-0.426
748587.7	985916.6	19.562	-0.659
748577.8	985916.1	20.324	-0.637
748567.8	985915.6	20.324	0.310
748557.8	985915.1	15.930	0.086
748547.8	985914.6	14.526	-0.314
748537.8	985914.1	16.388	-0.332
748527.8	985913.6	15.442	-0.108
748517.8	985913.1	15.168	-0.044
748507.8	985912.6	15.168	0.051
748497.8	985912.1	15.838	-0.336
748487.8	985911.6	15.136	-0.156
748477.9	985911.1	15.412	-0.288
748467.9	985910.6	16.082	-0.398
748457.9	985910.1	16.236	-0.343
748447.9	985909.6	16.358	-0.284
748437.9	985909.1	16.448	-0.501
748427.9	985908.6	16.724	-0.430
748417.9	985908.1	16.998	-0.343
748407.9	985907.6	15.564	-0.361
748397.9	985907.2	15.502	-0.503
748387.9	985906.7	15.870	-0.338
748378	985906.2	15.838	0.123
748368	985905.7	16.510	-0.003
748358	985905.2	17.212	0.226
748348	985904.7	18.708	0.196
748338	985904.2	23.316	0.791
748328.1	985903.7	26.428	1.627

Easting	Northing	Conduct.	In-Phase
748318.1	985903.2	33.142	3.693
748308.1	985902.7	74.523	8.391
748298.1	985902.2	-18.616	-6.717
748288.1	985901.7	42.756	4.024
748278.1	985901.2	40.528	3.110
748268.1	985900.7	25.176	1.310
748258.1	985900.2	21.026	0.453
LINE 1120			
748287.1	985921.7	21.606	0.159
748297.1	985922.2	24.078	0.747
748307.1	985922.7	36.622	2.217
748317.1	985923.1	50.660	3.680
748327.1	985923.6	-29.480	-7.156
748337	985924.1	63.598	6.781
748347	985924.6	14.252	3.114
748357	985925.1	28.504	0.968
748367	985925.6	20.264	0.345
LINE 1120			
748237.1	985919.2	20.478	0.483
748247.1	985919.7	22.278	0.777
748257.1	985920.2	28.656	1.508
748267.1	985920.7	45.838	3.456
748277.1	985921.2	20.752	-0.657
748287.1	985921.7	8.790	-2.566
748297.1	985922.2	59.204	6.622
748307.1	985922.7	18.372	2.535
748317.1	985923.1	33.264	0.918
748327.1	985923.6	22.004	0.747
748337	985924.1	16.448	-0.139
748347	985924.6	15.838	0.255
748357	985925.1	15.412	-0.165
748367	985925.6	15.168	-0.338
748377	985926.1	15.320	0.071
748386.9	985926.6	14.924	-0.268
748396.9	985927.1	16.266	-0.319
748406.9	985927.6	17.518	-0.479
748416.9	985928.1	19.042	0.350
748426.9	985928.6	19.532	0.139
748436.9	985929.1	19.500	-0.273
748446.9	985929.6	17.426	-0.422
748456.9	985930.1	16.388	-0.365
748466.9	985930.6	16.114	-0.205
748476.9	985931.1	16.022	-0.617
748486.8	985931.6	16.114	-0.591
748496.8	985932.1	16.114	-0.470
748506.8	985932.6	15.870	-0.560
748516.8	985933.1	15.748	-0.249
748526.8	985933.6	15.716	-0.253
748536.8	985934.1	16.114	-0.549
748546.8	985934.6	16.572	-0.091
748556.8	985935.1	18.066	-0.338

Easting	Northing	Conduct.	In-Phase
748566.8	985935.6	19.378	-0.360
748576.8	985936.1	21.636	-0.630
748586.8	985936.6	26.032	-0.104
748596.7	985937.1	7.812	-0.172
748606.7	985937.6	18.250	-0.273
748616.7	985938.1	19.562	-0.474
748626.7	985938.6	17.182	-0.277
748636.7	985939.1	14.374	-0.440
748646.6	985939.6	14.924	-0.338
748656.6	985940.1	15.320	-0.367
748666.6	985940.6	14.160	-0.238
748676.6	985941.1	13.946	-0.494
748686.6	985941.6	13.428	-0.395
748696.6	985942.1	13.732	-0.492
748706.6	985942.6	13.550	-0.172
748716.6	985943.1	13.520	-0.404
748726.6	985943.6	14.618	-0.126
748736.6	985944.1	14.404	-0.165
LINE 1140			
748735.6	985964	14.924	-0.621
748725.6	985963.5	14.466	-0.602
748715.6	985963	13.886	-0.450
748705.6	985962.5	14.344	-0.380
748695.6	985962	14.678	-0.338
748685.6	985961.5	13.580	-0.698
748675.6	985961	13.946	0.527
748665.6	985960.6	14.068	-0.567
748655.6	985960.1	14.190	-0.180
748645.6	985959.6	14.802	0.099
748635.7	985959.1	16.144	-0.428
748625.7	985958.6	17.242	-0.088
748615.7	985958.1	19.744	-0.117
748605.7	985957.6	24.566	-0.336
748595.7	985957.1	18.188	-0.440
748585.8	985956.6	20.386	-0.292
748575.8	985956.1	27.222	-0.519
748565.8	985955.6	20.782	-0.306
748555.8	985955.1	18.676	-0.369
748545.8	985954.6	17.090	-0.321
748535.8	985954.1	16.602	-0.523
748525.8	985953.6	17.120	-0.595
748515.8	985953.1	17.272	-0.352
748505.8	985952.6	17.120	-0.420
748495.8	985952.1	16.326	-0.580
748485.9	985951.6	16.418	-0.424
748475.9	985951.1	16.144	-0.453
748465.9	985950.6	16.572	-0.470
748455.9	985950.1	17.120	-0.264
748445.9	985949.6	17.762	-0.363
748435.9	985949.1	19.622	-0.365
748425.9	985948.6	14.892	-0.422

Easting	Northing	Conduct.	In-Phase
748415.9	985948.1	19.042	2.469
748405.9	985947.6	17.426	-0.442
748395.9	985947.1	17.212	-0.516
748386	985946.6	15.686	0.347
748376	985946.1	15.472	0.016
748366	985945.6	14.710	0.112
748356	985945.1	14.100	0.422
748346	985944.6	13.886	0.071
748336.1	985944.1	14.588	-0.121
748326.1	985943.6	15.106	-0.183
748316.1	985943.1	15.748	-0.022
748306.1	985942.6	17.640	0.891
748296.1	985942.1	19.684	0.661
748286.1	985941.6	24.842	0.128
748276.1	985941.1	37.292	1.087
748266.1	985940.6	15.778	1.232
748256.1	985940.1	37.628	2.171
LINE 1160			
748255.1	985960.1	20.538	0.236
748265.1	985960.6	23.530	0.148
748275.1	985961.1	21.668	0.211
748285.1	985961.6	19.166	0.617
748295.1	985962.1	16.968	0.795
748305.1	985962.6	15.412	-0.150
748315.1	985963.1	14.282	-0.016
748325.1	985963.6	14.100	-0.207
748335.1	985964.1	13.276	-0.479
748345	985964.6	13.672	-0.297
748355	985965.1	13.854	-0.402
748365	985965.6	14.434	-0.086
748375	985966.1	15.350	-0.358
748385	985966.6	16.632	0.343
748394.9	985967.1	13.580	1.045
748404.9	985967.6	13.854	0.382
748414.9	985968.1	14.038	-0.327
748424.9	985968.6	15.930	0.712
748434.9	985969.1	11.962	-0.055
748444.9	985969.6	11.840	-0.409
748454.9	985970.1	12.024	-0.430
748464.9	985970.6	13.946	-0.218
748474.9	985971.1	17.456	-0.121
748484.9	985971.6	17.060	-0.288
748494.8	985972.1	17.426	-0.251
748504.8	985972.6	18.250	-0.073
748514.8	985973.1	17.640	-0.336
748524.8	985973.6	18.066	0.509
748534.8	985974.1	17.852	-0.303
748544.8	985974.6	17.792	0.060
748554.8	985975.1	18.554	-0.253
748564.8	985975.6	19.684	-0.044
748574.8	985976.1	23.040	-0.007

Easting	Northing	Conduct.	In-Phase
748584.8	985976.6	26.948	-0.532
748594.7	985977	4.028	0.154
748604.7	985977.5	28.900	-0.551
748614.7	985978	22.674	-0.354
748624.7	985978.5	18.464	-0.207
748634.7	985979	16.846	-0.407
748644.6	985979.5	15.624	-0.314
748654.6	985980	15.076	0.113
748664.6	985980.5	13.854	-0.060
748674.6	985981	13.854	0.000
748684.6	985981.5	14.282	-0.033
748694.6	985982	13.764	-0.301
748704.6	985982.5	14.038	-0.475
748714.6	985983	14.130	-0.310
748724.6	985983.5	14.496	-0.327
748734.6	985984	13.886	-0.417
LINE 1180			
748733.6	986003.9	13.398	-0.433
748723.6	986003.4	13.336	-0.382
748713.6	986003	13.520	-0.510
748703.6	986002.5	14.190	-0.459
748693.6	986002	14.008	-0.468
748683.6	986001.5	13.366	-0.468
748673.6	986001	12.908	-0.303
748663.6	986000.5	14.160	-0.305
748653.6	986000	14.710	-0.382
748643.7	985999.5	15.656	-0.235
748633.7	985999	16.358	-0.332
748623.7	985998.5	15.534	-0.317
748613.7	985998	17.578	-0.055
748603.7	985997.5	20.020	-0.042
748593.8	985997	15.686	0.668
748583.8	985996.5	16.448	0.191
748573.8	985996	22.522	0.562
748563.8	985995.5	23.590	0.014
748553.8	985995	23.560	-0.459
748543.8	985994.5	20.600	0.064
748533.8	985994	18.768	-0.075
748523.8	985993.5	17.792	-0.108
748513.8	985993	20.660	-0.483
748503.8	985992.5	21.270	-0.466
748493.9	985992.1	19.806	0.562
748483.9	985991.6	18.952	-0.501
748473.9	985991.1	16.296	-0.191
748463.9	985990.6	16.082	-0.433
748453.9	985990.1	16.266	-0.189
748443.9	985989.6	14.740	-0.235
748433.9	985989.1	13.366	-0.305
748423.9	985988.6	13.642	0.689
748413.9	985988.1	14.678	-0.270
748403.9	985987.6	13.488	0.475

Easting	Northing	Conduct.	In-Phase
748394	985987.1	15.136	-0.275
748384	985986.6	13.732	0.152
748374	985986.1	13.428	-0.194
748364	985985.6	13.764	-0.104
748354	985985.1	13.824	-0.461
748344.1	985984.6	13.946	0.185
748334.1	985984.1	13.886	-0.305
748324.1	985983.6	13.184	0.044
748314.1	985983.1	12.818	-0.189
748304.1	985982.6	12.512	-0.025
748294.1	985982.1	12.452	0.251
748284.1	985981.6	11.994	0.029
LINE 1200			
748333.1	986004.1	11.750	-0.373
748343.1	986004.6	12.574	-0.393
748353	986005.1	10.620	0.045
748363	986005.6	12.940	-0.045
748373	986006.1	10.438	0.097
748383	986006.6	10.772	0.148
748393	986007.1	11.108	0.205
748402.9	986007.6	11.750	-0.358
748412.9	986008	11.902	-0.205
748422.9	986008.5	12.360	-0.345
748432.9	986009	13.672	0.174
748442.9	986009.5	13.732	0.157
748452.9	986010	14.130	-0.189
748462.9	986010.5	14.068	-0.152
748472.9	986011	14.312	-0.045
748482.9	986011.5	15.320	-0.181
748492.9	986012	18.158	-0.108
748502.8	986012.5	18.036	0.317
748512.8	986013	18.006	-0.310
748522.8	986013.5	16.602	-0.347
748532.8	986014	17.486	-0.022
748542.8	986014.5	19.378	-0.266
748552.8	986015	21.760	-0.288
748562.8	986015.5	21.240	0.420
748572.8	986016	10.650	-0.240
748582.8	986016.5	11.292	-0.369
748592.8	986017	16.846	1.330
748602.7	986017.5	16.022	0.088
748612.7	986018	16.326	0.606
748622.7	986018.5	16.358	0.323
748632.7	986018.9	15.808	-0.042
748642.7	986019.4	14.802	0.007
748652.6	986019.9	15.258	0.389
748662.6	986020.4	15.442	-0.264
748672.6	986020.9	15.198	-0.102
748682.6	986021.4	13.488	0.036
748692.6	986021.9	12.208	0.474
748702.6	986022.4	14.466	0.457

Easting	Northing	Conduct.	In-Phase
748712.6	986022.9	14.160	0.236
748722.6	986023.4	13.306	-0.016
748732.6	986023.9	13.366	-0.106
LINE 1220			
748731.6	986043.9	13.306	0.180
748721.6	986043.4	13.398	0.420
748711.6	986042.9	14.496	-0.066
748701.6	986042.4	15.258	0.475
748691.6	986041.9	14.954	0.529
748681.6	986041.4	14.282	0.027
748671.6	986040.9	14.008	-0.042
748661.6	986040.4	15.594	0.619
748651.7	986039.9	16.754	-0.064
748641.7	986039.4	15.900	-0.128
748631.7	986038.9	14.496	0.095
748621.7	986038.4	14.160	1.352
748611.7	986037.9	14.068	0.689
748601.8	986037.4	13.702	0.356
748591.8	986036.9	14.556	0.595
748581.8	986036.4	13.184	0.396
LINE 1240			
748610.7	986057.9	11.384	-0.075
748620.7	986058.4	12.268	0.742
748630.7	986058.9	13.580	0.231
748640.7	986059.4	14.008	0.437
748650.7	986059.9	12.604	0.720
748660.6	986060.4	13.428	0.101
748670.6	986060.9	18.586	0.509
748680.6	986061.4	16.022	0.244
748690.6	986061.9	15.870	-0.132
748700.6	986062.4	15.778	-0.141
748710.6	986062.9	15.594	0.108
748720.6	986063.4	15.076	0.145
748730.6	986063.9	14.404	-0.253
LINE 1260			
748729.6	986083.9	15.046	0.056
748719.6	986083.4	16.724	0.099
748709.6	986082.9	15.380	1.198
748699.6	986082.4	12.360	0.233
748689.6	986081.9	13.276	0.290
748679.6	986081.4	12.298	0.159
748669.6	986080.9	13.732	0.549
748659.7	986080.4	12.664	0.516
748649.7	986079.9	11.108	0.299
748639.7	986079.4	0.000	0.000

Easting	Northing	Conduct.	In-Phase

Easting	Northing	Conduct.	In-Phase
LINE 1000: SEAD-64C East			
754545.7	984367.9	12.268	-.335
754541.2	984359	12.054	-.326
754536.6	984350.1	11.566	-.377
754532.1	984341.2	11.474	-.442
754527.6	984332.3	11.506	-.537
754523.1	984323.4	11.566	-.423
754518.5	984314.4	11.506	-.317
754514	984305.6	11.78	-.525
754509.4	984296.6	11.932	-.262
754504.9	984287.7	11.384	-.368
754500.4	984278.8	11.932	-.3
754495.9	984269.9	11.688	-.39
754491.3	984260.9	11.902	-.185
754486.8	984252.1	11.994	-.284
754482.3	984243.1	12.452	-.159
754477.8	984234.2	12.574	-.311
754473.2	984225.3	12.94	-.106
754468.7	984216.4	13.032	-.328
754464.1	984207.5	12.696	-.306
754459.6	984198.6	13.184	-.335
754455.1	984189.6	13.122	-.302
754450.6	984180.8	12.664	-.381
754446	984171.8	13.184	-.269
754441.5	984162.9	13.276	-.21
754436.9	984154	14.526	-.324
754432.4	984145.1	16.572	.035
LINE 1020			
754414.6	984154.1	13.764	-.265
754419.1	984163.1	13.732	-.205
754423.7	984171.9	13.276	-.183
754428.2	984180.9	13	-.258
754432.8	984189.8	12.908	-.517
754437.3	984198.7	12.94	-.55
754441.8	984207.6	12.146	-.506
754446.3	984216.5	12.786	-.46
754450.8	984225.4	13.52	-.196
754455.4	984234.4	12.94	-.271
754459.9	984243.3	11.688	-.319
754464.4	984252.2	13.184	-.401
754468.9	984261.1	12.36	-.479
754473.5	984270	12.176	-.394
754478	984278.9	12.054	-.35
754482.6	984287.9	11.78	-.339
754487.1	984296.8	11.718	-.251
754491.6	984305.7	11.292	-.508
754496.1	984314.6	11.688	-.332
754500.7	984323.5	14.16	-.297
754505.2	984332.4	13.154	-.423
754509.8	984341.3	12.482	-.431
754514.3	984350.3	12.024	-.633

Easting	Northing	Conduct.	In-Phase
754518.8	984359.2	12.084	-.523
754523.3	984368.1	11.872	-.328
754527.9	984377	11.75	-.46
LINE 1040			
754510	984386.1	11.902	-.177
754505.5	984377.1	11.994	-.218
754500.9	984368.3	12.208	-.231
754496.4	984359.3	12.574	-.199
754491.9	984350.4	16.236	.006
754487.4	984341.5	4.058	-.367
754482.9	984332.6	13.214	-.21
754478.3	984323.6	15.564	-.234
754473.8	984314.8	12.786	-.341
754469.3	984305.8	12.054	-.185
754464.8	984296.9	11.628	-.306
754460.2	984288	11.75	-.304
754455.7	984279.1	11.962	-.326
754451.1	984270.2	12.634	-.271
754446.6	984261.3	12.664	-.289
754442.1	984252.3	12.848	-.332
754437.6	984243.4	12.908	-.368
754433	984234.5	13.276	-.308
754428.5	984225.6	12.756	-.389
754423.9	984216.7	12.634	-.31
754419.4	984207.8	11.902	-.381
754414.9	984198.9	13.062	-.234
754410.4	984189.9	13.366	-.357
754405.8	984181	13.032	-.394
754401.3	984172.1	13.184	-.304
754396.8	984163.2	13.428	-.409
LINE 1060			
754378.9	984172.3	12.94	-.431
754383.4	984181.2	13	-.343
754388	984190.1	13.092	-.357
754392.5	984199	12.94	-.372
754397.1	984207.9	12.756	-.458
754401.6	984216.8	12.818	-.374
754406.1	984225.8	12.908	-.668
754410.6	984234.6	12.36	-.401
754415.2	984243.6	11.17	-.49
754419.7	984252.5	12.208	-.401
754424.3	984261.4	12.97	-.385
754428.8	984270.3	12.908	-.403
754433.3	984279.3	11.81	-.361
754437.8	984288.1	12.97	-.337
754442.4	984297.1	12.452	-.552
754446.9	984306	11.902	-.462
754451.4	984314.9	12.084	-.271
754455.9	984323.8	11.932	-.372
754460.5	984332.7	11.872	-.359
754465	984341.6	11.688	-.302

Easting	Northing	Conduct.	In-Phase
754469.6	984350.6	13.458	-.188
754474.1	984359.4	19.012	-.078
754478.6	984368.4	1.862	-.501
754483.1	984377.3	13.642	-.293
754487.7	984386.2	12.268	-.174
754492.2	984395.1	12.084	-.431
LINE 1080			
754474.4	984404.2	12.024	-.341
754469.8	984395.3	11.658	-1.021
754465.3	984386.4	11.352	-.405
754460.8	984377.4	11.718	-.427
754456.3	984368.5	11.506	-.425
754451.7	984359.6	11.474	-.431
754447.2	984350.7	11.384	-.33
754442.6	984341.8	11.566	-.436
754438.1	984332.9	11.81	-.389
754433.6	984323.9	11.902	-.429
754429.1	984315.1	12.42	-.412
754424.6	984306.1	12.634	-.379
754420	984297.2	13.092	-.146
754415.5	984288.3	14.068	-.078
754410.9	984279.4	13.336	-.175
754406.4	984270.4	13.732	-.343
754401.9	984261.6	13.946	-.315
754397.4	984252.6	13.398	-.319
754392.8	984243.7	12.664	-.322
754388.3	984234.8	12.512	-.418
754383.8	984225.9	12.664	-.302
754379.3	984216.9	12.574	-.376
754374.7	984208.1	12.664	-.469
754370.2	984199.1	12.696	-.537
754365.6	984190.3	13.032	-.422
754361.1	984181.3	12.39	-.578
LINE 1100			
754343.3	984190.4	12.574	-.321
754347.8	984199.3	12.726	-.355
754352.3	984208.2	12.482	-.708
754356.9	984217.1	12.848	-.699
754361.4	984226	12.878	-.466
754365.9	984234.9	12.42	-.339
754370.4	984243.9	12.696	-.115
754375	984252.8	13.032	-.186
754379.5	984261.7	12.664	-.332
754384.1	984270.6	12.298	-.442
754388.6	984279.5	14.312	-.302
754393.1	984288.4	13.946	-.245
754397.6	984297.4	13.702	-.254
754402.2	984306.3	14.1	-.264
754406.7	984315.2	13.61	-.218
754411.3	984324.1	13.336	-.242
754415.8	984333	12.818	-.306

Easting	Northing	Conduct.	In-Phase
754420.3	984341.9	12.542	-.308
754424.8	984350.8	11.872	-.433
754429.4	984359.8	11.994	-.37
754433.9	984368.7	11.506	-.46
754438.4	984377.6	11.84	-.341
754442.9	984386.5	11.628	-.434
754447.5	984395.4	11.628	-.407
754452	984404.3	11.932	-.447
754456.6	984413.3	12.268	-.251
LINE 1120			
754438.7	984422.3	12.298	-.21
754434.2	984413.4	12.512	-.431
754429.6	984404.5	12.33	-.164
754425.1	984395.6	11.962	-.288
754420.6	984386.6	12.33	-.164
754416.1	984377.8	12.542	-.188
754411.5	984368.8	12.298	-.254
754407	984359.9	12.604	-.221
754402.4	984351	12.664	-.126
754397.9	984342.1	12.634	-.216
754393.4	984333.1	13.428	-.298
754388.9	984324.3	13.184	-.214
754384.4	984315.3	13.52	.02
754379.8	984306.4	14.496	-.038
754375.3	984297.5	13.58	-.148
754370.8	984288.6	13.978	-.276
754366.3	984279.7	13.642	-.218
754361.7	984270.8	13.184	-.118
754357.2	984261.8	13.306	-.321
754352.6	984252.9	12.786	-.39
754348.1	984244	12.542	-.372
754343.6	984235.1	12.634	-.231
754339.1	984226.2	13.184	-.365
754334.5	984217.3	13.062	-.35
754330	984208.4	12.664	-.302
754325.4	984199.4	12.512	-.44
LINE 1140			
754307.6	984208.5	12.146	-.409
754312.1	984217.4	12.848	-.231
754316.7	984226.3	12.756	-.288
754321.2	984235.3	12.756	-.385
754325.8	984244.1	12.786	-.271
754330.3	984253.1	12.664	-.28
754334.8	984262	12.818	-.411
754339.3	984270.9	13	-.389
754343.9	984279.8	13.428	-.333
754348.4	984288.8	13.58	-.293
754352.9	984297.6	13.122	-.604
754357.4	984306.6	13.52	-.284
754362	984315.5	13.978	.042
754366.5	984324.4	14.008	-.085

Easting	Northing	Conduct.	In-Phase
754371.1	984333.3	13.52	.09
754375.6	984342.2	14.404	.476
754380.1	984351.1	13.824	.248
754384.6	984360.1	13.55	.057
754389.2	984368.9	12.94	-.052
754393.7	984377.9	12.696	-.155
754398.3	984386.8	12.848	-.039
754402.8	984395.7	12.786	-.21
754407.3	984404.6	12.512	-.041
754411.8	984413.6	12.452	-.251
754416.4	984422.4	12.36	-.431
754420.9	984431.4	13	-.185

LINE 1160

Easting	Northing	Conduct.	In-Phase
754403.1	984440.4	15.594	.373
754398.5	984431.5	15.258	.351
754394	984422.6	13.978	.143
754389.4	984413.7	13.55	-.089
754384.9	984404.8	12.97	-.084
754380.4	984395.9	12.97	-.089
754375.9	984386.9	13.062	-.058
754371.3	984378	12.786	-.061
754366.8	984369.1	16.816	2.251
754362.3	984360.2	-189.88	-30.807
754357.8	984351.3	-108.46	-30.807
754353.2	984342.4	-53.161	-30.807
754348.7	984333.4	-72.418	-30.807
754344.1	984324.5	20.812	4.046
754339.6	984315.6	12.42	.39
754335.1	984306.7	13.122	-.089
754330.6	984297.8	13.52	-.313
754326.1	984288.9	13.184	-.293
754321.5	984279.9	13.184	-.425
754317	984271.1	13.642	-.438
754312.4	984262.1	13.398	-.376
754307.9	984253.2	13	-.291
754303.4	984244.3	12.574	-.289
754298.9	984235.4	12.36	-.436
754294.3	984226.4	12.42	-.326
754289.8	984217.6	12.39	-.288

LINE 1180

Easting	Northing	Conduct.	In-Phase
754271.9	984226.6	13.184	-.297
754276.5	984235.5	12.786	-.37
754281	984244.4	12.94	-.464
754285.6	984253.4	12.176	-.714
754290.1	984262.3	12.786	-.484
754294.6	984271.2	13.488	-.188
754299.1	984280.1	13.184	-.594
754303.7	984289	12.574	-.335
754308.2	984297.9	13.672	-.341
754312.8	984306.9	13.458	-.289
754317.3	984315.8	14.1	-.335
754321.8	984324.7	14.038	-.159
754326.3	984333.6	13.58	.112
754330.9	984342.5	17.456	2.931
754335.4	984351.4	4.914	-5.934
754339.9	984360.3	-100.28	-30.798
754344.4	984369.3	-53.314	-30.798
754349	984378.2	1.74	-6.895
754353.5	984387.1	13.916	.494
754358.1	984396	14.068	.193
754362.6	984404.9	14.618	.522
754367.1	984413.8	14.984	.56
754371.6	984422.8	16.114	.829
754376.2	984431.6	17.884	1.273
754380.7	984440.6	22.46	2.249
754385.3	984449.5	31.312	4.395

LINE 1200

Easting	Northing	Conduct.	In-Phase
754367.4	984458.6	50.628	13.002
754362.9	984449.6	58.288	10.979
754358.3	984440.7	-25.878	-10.597
754353.8	984431.8	38.392	8.678
754349.3	984422.9	47.698	9.608
754344.8	984414	25.634	3.267
754340.2	984405.1	19.958	2.005
754335.7	984396.1	17.364	1.216
754331.1	984387.3	15.9	.79
754326.6	984378.3	15.472	.658
754322.1	984369.4	14.832	.831
754317.6	984360.5	14.466	.619
754313	984351.6	15.168	-.054
754308.5	984342.6	14.16	-.271
754303.9	984333.8	13.55	-.311
754299.4	984324.8	14.16	-.282
754294.9	984315.9	13.366	-.497
754290.4	984307	13.398	-.304
754285.8	984298.1	13.244	-.359
754281.3	984289.2	13.184	-.341
754276.8	984280.3	13.184	-.232
754272.3	984271.3	13.488	.002
754267.8	984262.4	13.244	-.35
754263.2	984253.5	12.786	-.365
754258.7	984244.6	13.032	-.354
754254.1	984235.7	12.756	-.365

LINE 1220

Easting	Northing	Conduct.	In-Phase
754236.3	984244.8	12.94	-.258
754240.8	984253.6	12.574	-.298
754245.4	984262.6	12.238	-.322
754249.9	984271.5	13.214	-.146
754254.4	984280.4	12.664	-.227
754258.9	984289.3	13.122	-.084
754263.5	984298.3	13.032	-.157
754268	984307.1	13.244	-.223

Easting	Northing	Conduct.	In-Phase
754272.6	984316.1	13.032	-.185
754277.1	984324.9	13.52	-.185
754281.6	984333.9	13.58	-.565
754286.1	984342.8	14.556	.38
754290.7	984351.7	15.442	.511
754295.2	984360.6	16.388	.663
754299.8	984369.6	17.15	1.053
754304.3	984378.4	21.058	1.823
754308.8	984387.4	26.246	3.363
754313.3	984396.3	31.768	5.242
754317.9	984405.2	25.604	2.497
754322.4	984414.1	-26.184	-11.4
754326.9	984423.1	40.07	12.89
754331.4	984431.9	55.726	9.529
754335.9	984440.9	26.368	6.727
754340.5	984449.8	42.144	4.507
754345	984458.7	26.916	3.374
754349.6	984467.6	25.878	4.171
LINE 1240			
754331.8	984476.7	-2.32	3.949
754327.2	984467.8	97.442	3.658
754322.7	984458.8	4.73	3.357
754318.1	984449.9	37.17	2.907
754313.6	984441	32.806	1.951
754309.1	984432.1	10.712	2.205
754304.6	984423.2	34.852	3.001
754300	984414.3	27.07	4.035
754295.5	984405.4	36.468	5.398
754290.9	984396.4	32.288	8.342
754286.4	984387.5	38.33	7.08
754281.9	984378.6	-3.814	-6.798
754277.4	984369.7	25.97	3.701
754272.8	984360.8	54.992	10.514
754268.3	984351.9	27.984	3.651
754263.8	984342.9	19.714	1.543
754259.3	984334	16.082	.709
754254.7	984325.1	14.282	.298
754250.2	984316.2	14.068	.059
754245.6	984307.3	13.854	-.038
754241.1	984298.4	12.878	-.343
754236.6	984289.4	12.726	-.251
754232.1	984280.6	13.062	-.253
754227.5	984271.6	12.42	-.341
754223	984262.7	12.176	-.442
754218.5	984253.8	12.574	-.288
LINE 1260			
754200.6	984262.9	12.664	-.363
754205.2	984271.8	12.818	-.37
754209.7	984280.7	12.94	-.319
754214.3	984289.6	13.154	-.219
754218.8	984298.5	13.458	-.163

Easting	Northing	Conduct.	In-Phase
754223.3	984307.4	14.556	.186
754227.8	984316.4	16.326	.531
754232.4	984325.3	19.074	1.58
754236.9	984334.2	25.696	2.791
754241.4	984343.1	38.3	6.348
754245.9	984352	30.518	2.172
754250.5	984360.9	32.41	7.229
754255	984369.8	72.692	14.784
754259.6	984378.8	49.896	7.221
754264.1	984387.7	14.068	3.881
754268.6	984396.6	50.324	4.132
754273.1	984405.5	9.888	2.28
754277.7	984414.4	46.63	3.464
754282.2	984423.3	-3.876	.941
754286.7	984432.3	47.912	3.313
754291.3	984441.1	20.812	2.372
754295.8	984450.1	71.502	4.182
754300.3	984459	-16.052	1.475
754304.8	984467.9	69	6.071
754309.4	984476.8	100.83	10.266
754313.9	984485.8	35.096	18.163
LINE 1280			
754296.1	984494.8	-9.308	-30.774
754291.6	984485.9	83.282	44.677
754287	984476.9	41.534	41.776
754282.5	984468.1	9.43	-17.633
754277.9	984459.1	80.018	11.418
754273.4	984450.2	61.492	14.887
754268.9	984441.3	78.614	10.428
754264.4	984432.4	-4.028	4.239
754259.8	984423.5	93.72	6.901
754255.3	984414.6	-24.292	1.044
754250.8	984405.6	107.91	6.052
754246.3	984396.8	1.464	1.944
754241.7	984387.8	10.07	1.729
754237.2	984378.9	45.502	6.819
754232.6	984370	72.57	5.047
754228.1	984361.1	68.726	6.049
754223.6	984352.1	42.694	6.494
754219.1	984343.3	55.48	9.656
754214.5	984334.3	88.044	15.164
754210	984325.4	80.17	15.504
754205.4	984316.5	.824	-2.311
754200.9	984307.6	37.262	5.468
754196.4	984298.7	19.776	1.514
754191.9	984289.8	15.992	.845
754187.3	984280.8	14.862	.531
754182.8	984271.9	14.282	.505
754178.3	984263	0	0
LINE 1320			
754115.4	984227.6	14.16	-.123

Easting	Northing	Conduct.	In-Phase
754119.9	984236.6	15.838	.696
754124.5	984245.4	19.318	2.961
754129	984254.4	14.526	-5.345
754133.6	984263.3	-23.224	-30.924
754138.1	984272.2	118.438	44.789
754142.6	984281.1	106.628	44.791
754147.1	984290.1	0	4.867
754151.7	984298.9	53.742	44.813
754156.2	984307.9	18.952	8.801
754160.8	984316.8	18.158	-20.86
754165.3	984325.7	61.34	5.618
754169.8	984334.6	72.754	14.223
754174.3	984343.5	-32.166	-19.961
754178.9	984352.4	119.416	23.412
754183.4	984361.4	58.716	15.498
754187.9	984370.3	114.196	13.244
754192.4	984379.2	137.268	15.583
754197	984388.1	-5.646	8.428
754201.5	984397	166.81	17.894
754206.1	984405.9	-51.728	-16.608
754210.6	984414.9	108.216	9.279
754215.1	984423.8	3.906	21.364
754219.6	984432.7	142.364	25.04
754224.2	984441.6	12.634	18.069
754228.7	984450.5	172.668	27.912
754233.3	984459.4	-15.594	-6.778
754237.8	984468.3	-30.304	-30.909
754242.3	984477.3	58.654	44.789
754246.8	984486.2	77.178	44.787
754251.4	984495.1	-2.716	-30.913
754255.9	984504	70.466	44.784
754260.4	984512.9	10.804	-24.088
LINE 1350			
754120.4	984303.6	225.86	44.901
754124.9	984312.6	-53.01	-31.157
754129.4	984321.4	-.732	.236
754134	984330.4	165.314	44.909
754138.5	984339.3	63.446	44.942
754143.1	984348.2	2.198	-30.872
754147.6	984357.1	73.73	-20.573
754152.1	984366.1	-158.386	-31.142
754156.6	984374.9	72.418	17.83
754161.2	984383.9	110.23	38.935
754165.7	984392.8	175.384	29.377
754170.3	984401.7	186.036	33.05
754174.8	984410.6	-9.124	31.223
754179.3	984419.5	196.868	28.653
754183.8	984428.4	-1.526	-5.181
754188.4	984437.4	25.36	44.84
754192.9	984446.3	42.114	44.925
754197.4	984455.2	40.314	24.812

Easting	Northing	Conduct.	In-Phase
754201.9	984464.1	31.556	44.903
754206.5	984473	12.238	-31.139
754211	984481.9	35.95	-6.546
754215.6	984490.8	27.894	2.987
754220.1	984499.8	-9.094	-31.133
754224.6	984508.7	107.148	44.903
754229.1	984517.6	25.086	42.649
754233.7	984526.5	13.154	-16.02
LINE 1400			
754189.1	984549.1	66.802	44.754
754184.6	984540.3	2.38	-30.404
754180	984531.3	71.442	44.745
754175.5	984522.4	3.326	-30.858
754171	984513.5	66.712	44.752
754166.4	984504.6	17.242	44.758
754161.9	984495.7	24.72	-12.608
754157.4	984486.8	-32.624	-30.858
754152.9	984477.8	11.384	-1.387
754148.3	984468.9	99.152	44.743
754143.8	984460	-23.224	-30.854
754139.3	984451.1	106.048	44.739
754134.8	984442.2	-21.912	-30.852
754130.2	984433.3	112.488	44.745
754125.7	984424.4	46.814	44.607
754121.1	984415.4	61.554	44.741
754116.6	984406.5	81.298	44.752
754112.1	984397.6	126.13	32.223
754107.6	984388.7	113.892	6.745
754103	984379.8	36.744	44.754
754098.5	984370.9	-.336	-30.845
754093.9	984361.9	251.648	44.701
754089.4	984353	59.57	44.743
754084.9	984344.1	199.402	44.705
754080.4	984335.2	-34.362	-30.839
754075.8	984326.3	36.804	37.662
754071.3	984317.4	149.932	44.712
754066.8	984308.4	173.37	44.71
754062.3	984299.6	-33.66	-30.837
754057.7	984290.6	22.552	6.212
754053.2	984281.7	15.198	.284
754048.6	984272.8	13.55	-.58
754044.1	984263.9	13.062	-.824
754039.6	984254.9	12.94	-.771
754035.1	984246.1	12.756	-.883
754030.5	984237.1	12.42	-.872
LINE 1440			
754017.5	984299.8	11.932	-1.126
754022.1	984308.8	12.452	-1.025
754026.6	984317.7	12.39	-.916
754031.1	984326.6	12.786	-.9
754035.6	984335.5	13.702	-.709

Easting	Northing	Conduct.	In-Phase
754040.2	984344.4	14.832	-.42
754044.7	984353.3	17.15	.108
754049.3	984362.3	20.508	1.727
754053.8	984371.1	27.832	7.349
754058.3	984380.1	55.024	22.642
754062.8	984389	-2.228	-30.802
754067.4	984397.9	39.49	44.701
754071.9	984406.8	40.618	44.712
754076.4	984415.8	146.912	44.708
754080.9	984424.6	58.776	44.725
754085.5	984433.6	-59.6	-30.804
754090	984442.4	7.782	-24.629
754094.6	984451.4	41.534	20.039
754099.1	984460.3	29.358	41.568
754103.6	984469.2	44.556	44.73
754108.1	984478.1	39.184	44.71
754112.7	984487.1	-13.55	-24.296
754117.2	984495.9	141.602	44.706
754121.8	984504.9	-11.536	-28.734
754126.3	984513.8	3.998	-6.906
754130.8	984522.7	62.042	29.595
754135.3	984531.6	55.938	21.244
754139.8	984540.5	2.838	6.019
754144.4	984549.4	34.18	3.538
754148.9	984558.4	20.63	1.613
754153.4	984567.3	15.502	.374

LINE 1480

Easting	Northing	Conduct.	In-Phase
754117.8	984585.4	13.764	-.775
754113.3	984576.5	15.258	-.659
754108.7	984567.6	17.06	-.654
754104.2	984558.6	10.162	-.79
754099.6	984549.8	17.15	-.632
754095.1	984540.8	15.35	-.573
754090.6	984531.9	14.466	-.598
754086.1	984523	14.222	-1.025
754081.5	984514.1	14.526	-.516
754077	984505.2	15.442	-.297
754072.4	984496.3	17.182	.407
754067.9	984487.3	17.762	.78
754063.4	984478.4	18.402	1.299
754058.9	984469.5	17.212	.586
754054.4	984460.6	16.388	.169
754049.8	984451.7	16.54	-.293
754045.3	984442.8	16.51	-.319
754040.8	984433.8	15.96	-.339
754036.3	984424.9	15.35	-.459
754031.7	984416	14.77	-.588
754027.2	984407.1	13.244	-.903
754022.6	984398.2	13.154	-.764
754018.1	984389.3	12.604	-.898
754013.6	984380.4	12.664	-1.023

Easting	Northing	Conduct.	In-Phase
754009.1	984371.4	12.726	-.962
754004.5	984362.5	12.542	-.931
754000	984353.6	12.208	-1.014
753995.4	984344.7	12.054	-1.076
753990.9	984335.8	11.994	-1.023
753986.4	984326.9	11.506	-1.249

LINE 1520

Easting	Northing	Conduct.	In-Phase
753946.2	984336.1	11.628	-1.122
753950.8	984345	11.688	-1.087
753955.3	984353.9	11.872	-1.034
753959.8	984362.8	11.932	-1.041
753964.3	984371.8	11.872	-1.076
753968.9	984380.6	11.628	-1.085
753973.4	984389.6	11.994	-.964
753977.9	984398.5	12.084	-.982
753982.4	984407.4	11.932	-1.104
753987	984416.3	12.238	-.953
753991.5	984425.3	12.176	-1.124
753996.1	984434.1	12.39	-.975
754000.6	984443.1	12.664	-1.087
754005.1	984451.9	12.33	-.999
754009.6	984460.9	12.818	-.815
754014.2	984469.8	12.97	-.964
754018.7	984478.7	12.482	-.893
754023.2	984487.6	12.604	-.894
754027.8	984496.6	12.726	-.949
754032.3	984505.4	12.908	-.929
754036.8	984514.4	13.062	-.935
754041.3	984523.3	13.154	-.968
754045.9	984532.2	13.244	-.863
754050.4	984541.1	13.214	-.953
754054.9	984550	13.062	-.96
754059.4	984558.9	12.786	-1.049
754064	984567.9	13.276	-1.023
754068.5	984576.8	13.702	-1.096
754073.1	984585.7	15.502	-.96
754077.6	984594.6	4.914	-1.186
754082.1	984603.5	13.398	-.959

LINE 1540

Easting	Northing	Conduct.	In-Phase
754064.3	984612.6	19.41	-.812
754059.8	984603.7	7.05	-1.265
754055.3	984594.8	-2.38	-1.31
754050.7	984585.8	18.096	-.819
754046.2	984576.9	13.978	-1.063
754041.6	984568	13.244	-.949
754037.1	984559.1	12.848	-1.06
754032.6	984550.2	12.208	-1.159
754028.1	984541.3	12.054	-1.15
754023.5	984532.4	12.39	-1.135
754019	984523.4	12.36	-1.166
754014.4	984514.5	12.36	-1.275

Easting	Northing	Conduct.	In-Phase
754009.9	984505.6	12.36	-1.08
754005.4	984496.7	12.36	-1.051
754000.9	984487.8	12.268	-1.176
753996.3	984478.9	12.208	-1.181
753991.8	984469.9	12.512	-1.164
753987.3	984461	12.696	-1.174
753982.8	984452.1	12.36	-1.113
753978.2	984443.2	12.298	-1.085
753973.7	984434.3	12.36	-1.161
753969.1	984425.4	0	0
LINE 1000			
754545.7	984367.9	11.718	-0.292
754550.2	984376.9	11.902	0.009
754554.8	984385.8	11.962	0.349
754559.3	984394.7	12.238	0.301
754563.8	984403.6	12.390	0.207
754568.3	984412.5	11.658	-0.104
754572.9	984421.4	12.268	0.152
754577.4	984430.3	12.696	0.049
754581.9	984439.3	12.940	0.450
754586.4	984448.2	12.756	0.058
754591	984457.1	13.000	0.420
754595.5	984466	13.184	-0.003
754600.1	984474.9	14.038	-0.106
754604.6	984483.8	15.258	0.176
754609.1	984492.8	16.510	0.101
754613.6	984501.7	15.046	-0.358
LINE 1020			
754618.4	984555.3	14.526	-0.117
754613.9	984546.4	14.344	-0.240
754609.4	984537.4	14.526	-0.097
754604.9	984528.6	14.770	-0.198
754600.4	984519.6	15.624	0.130
754595.8	984510.8	14.802	-0.159
754591.3	984501.8	13.824	-0.277
754586.8	984492.9	13.336	0.165
754582.3	984484	13.336	0.113
754577.7	984475.1	13.000	0.610
754573.2	984466.1	13.062	0.049
754568.6	984457.3	12.512	0.134
754564.1	984448.3	12.664	0.077
754559.6	984439.4	12.512	0.433
754555.1	984430.5	12.390	-0.051
754550.5	984421.6	12.146	0.909
754546	984412.7	12.084	0.102
754541.4	984403.8	11.994	-0.119
754536.9	984394.8	11.810	-0.014
754532.4	984385.9	11.596	0.600
754527.9	984377	11.536	0.828
LINE 1040			
754510	984386.1	11.260	-0.376

Easting	Northing	Conduct.	In-Phase
754514.6	984395	11.414	-0.181
754519.1	984403.9	11.962	-0.106
754523.6	984412.8	11.658	-0.040
754528.1	984421.7	12.360	0.858
754532.7	984430.6	11.962	0.172
754537.2	984439.6	11.048	1.074
754541.8	984448.4	12.482	0.937
754546.3	984457.4	11.932	0.742
754550.8	984466.3	12.146	0.058
754555.3	984475.2	12.084	-0.099
754559.9	984484.1	12.268	0.317
754564.4	984493.1	12.420	0.321
754568.9	984501.9	12.696	1.014
754573.4	984510.9	12.756	0.496
754578	984519.8	12.634	0.137
754582.5	984528.7	12.940	0.360
754587.1	984537.6	12.574	0.780
754591.6	984546.5	12.482	1.078
754596.1	984555.4	13.336	0.516
754600.6	984564.4	15.136	0.839
754605.2	984573.3	16.082	0.371
754609.7	984582.2	15.534	-0.003
754614.3	984591.1	14.678	-0.091
754618.8	984600	14.648	-0.277
754623.3	984608.9	14.832	0.025
LINE 1060			
754619.1	984644.8	14.374	-0.393
754614.5	984635.8	14.496	0.196
754610	984626.9	14.282	-0.049
754605.4	984618	14.618	0.181
754600.9	984609.1	15.534	-0.253
754596.4	984600.2	14.190	-0.029
754591.9	984591.3	12.908	0.023
754587.3	984582.3	12.482	-0.286
754582.8	984573.4	12.940	-0.068
754578.3	984564.5	12.634	0.319
754573.8	984555.6	12.604	1.525
754569.2	984546.7	12.176	0.545
754564.7	984537.8	12.268	0.095
754560.1	984528.8	12.176	0.266
754555.6	984519.9	12.084	0.066
754551.1	984511	12.208	-0.020
754546.6	984502.1	12.116	0.937
754542.1	984493.2	12.330	0.670
754537.5	984484.3	12.238	0.742
754533	984475.4	11.994	0.203
754528.4	984466.4	11.872	0.665
754523.9	984457.5	11.932	0.698
754519.4	984448.6	11.780	0.571
754514.9	984439.7	12.330	0.598
754510.3	984430.8	11.932	0.641

Easting	Northing	Conduct.	In-Phase
754505.8	984421.9	12.084	1.379
754501.3	984412.9	12.176	0.077
754496.8	984404.1	11.840	1.284
754492.2	984395.1	11.108	0.964
LINE 1080			
754474.4	984404.2	11.048	0.011
754478.9	984413.1	11.200	-0.062
754483.4	984422	11.506	0.457
754487.9	984430.9	11.474	0.299
754492.5	984439.8	11.658	0.139
754497	984448.8	11.658	0.345
754501.6	984457.7	12.176	1.155
754506.1	984466.6	12.054	0.995
754510.6	984475.5	11.658	0.532
754515.1	984484.4	11.962	0.404
754519.7	984493.3	12.084	0.960
754524.2	984502.3	11.962	0.509
754528.8	984511.2	12.268	0.718
754533.3	984520.1	12.604	0.955
754537.8	984529	12.238	0.255
754542.3	984537.9	12.298	0.977
754546.9	984546.8	12.420	1.038
754551.4	984555.8	12.176	1.192
754555.9	984564.6	12.268	0.775
754560.4	984573.6	11.962	1.629
754565	984582.5	12.116	0.613
754569.5	984591.4	12.176	1.697
754574.1	984600.3	12.298	1.370
754578.6	984609.3	12.420	0.361
754583.1	984618.1	12.664	-0.126
754587.6	984627.1	12.330	0.407
754592.2	984635.9	12.390	1.756
754596.7	984644.9	12.298	0.764
754601.3	984653.8	13.336	0.672
754605.8	984662.7	15.014	0.565
754610.3	984671.6	15.564	0.396
754614.8	984680.6	14.556	-0.295
754619.3	984689.4	13.978	-0.117
754623.9	984698.4	14.160	0.303
LINE 1100			
754606.1	984707.4	14.160	-0.354
754601.5	984698.5	15.014	-0.005
754597	984689.6	14.222	1.087
754592.4	984680.7	13.244	0.332
754587.9	984671.8	12.054	0.417
754583.4	984662.9	12.512	1.192
754578.9	984653.9	12.512	0.387
754574.3	984645	12.208	1.100
754569.8	984636.1	11.902	1.067
754565.3	984627.2	12.084	2.173
754560.8	984618.3	11.994	1.855
754556.2	984609.4	11.810	1.401
754551.7	984600.4	12.084	1.238
754547.1	984591.6	12.146	0.657
754542.6	984582.6	12.268	0.437
754538.1	984573.7	12.420	0.044
754533.6	984564.8	12.390	0.334
754529	984555.9	12.696	1.203
754524.5	984546.9	13.062	0.567
754519.9	984538.1	12.970	0.141
754515.4	984529.1	12.512	0.575
754510.9	984520.3	12.420	1.008
754506.4	984511.3	12.420	0.970
754501.8	984502.4	12.664	1.041
754497.3	984493.5	12.176	0.463
754492.8	984484.6	12.146	0.567
754488.3	984475.6	12.208	0.972
754483.8	984466.8	12.116	1.400
754479.2	984457.8	12.390	1.317
754474.7	984448.9	11.596	0.088
754470.1	984440	11.596	-0.251
754465.6	984431.1	11.658	-0.150
754461.1	984422.2	10.834	-0.437
754456.6	984413.3	11.658	0.345
LINE 1120			
754438.7	984422.3	11.322	0.214
754443.3	984431.2	11.292	0.896
754447.8	984440.1	11.628	0.189
754452.3	984449.1	11.872	0.110
754456.8	984457.9	12.146	0.630
754461.4	984466.9	12.176	1.334
754465.9	984475.8	12.024	0.510
754470.4	984484.7	12.604	-0.029
754474.9	984493.6	13.580	0.883
754479.5	984502.6	13.886	0.380
754484	984511.4	13.824	2.131
754488.6	984520.4	13.458	2.329
754493.1	984529.3	13.550	1.675
754497.6	984538.2	14.190	2.660
754502.1	984547.1	15.350	2.506
754506.7	984556	16.236	2.668
754511.2	984564.9	16.388	3.270
754515.8	984573.9	14.556	2.087
754520.3	984582.8	13.764	0.665
754524.8	984591.7	14.068	1.262
754529.3	984600.6	12.786	0.611
754533.9	984609.5	12.542	0.542
754538.4	984618.4	11.872	0.994
754542.9	984627.4	12.146	1.192
754547.4	984636.3	11.902	1.695
754551.9	984645.2	11.658	1.769
754556.5	984654.1	11.566	1.585

Easting	Northing	Conduct.	In-Phase
754561	984663	11.506	0.512
754565.6	984671.9	11.566	1.238
754570.1	984680.8	11.658	1.427
754574.6	984689.8	11.994	0.644
754579.1	984698.7	12.084	-0.049
754583.7	984707.6	12.208	1.214
754588.2	984716.5	12.084	1.451
754592.8	984725.4	12.116	1.008
754597.3	984734.3	12.238	0.747
754601.8	984743.3	12.726	1.229
754606.3	984752.1	13.336	0.527
754610.9	984761.1	14.588	-0.343
754615.4	984770	14.892	0.584
754619.9	984778.9	13.916	1.051
LINE 1140			
754602.1	984787.9	15.046	-0.099
754597.6	984779.1	13.610	-0.305
754593.1	984770.1	12.848	0.077
754588.5	984761.2	12.360	0.088
754584	984752.3	11.962	0.898
754579.4	984743.4	12.116	0.652
754574.9	984734.5	11.932	1.300
754570.4	984725.6	11.780	0.826
754565.9	984716.6	11.750	0.773
754561.3	984707.8	11.596	0.964
754556.8	984698.8	11.292	0.389
754552.3	984689.9	11.414	0.091
754547.8	984681	11.596	0.610
754543.2	984672.1	11.414	0.413
754538.7	984663.1	11.444	0.547
754534.1	984654.3	11.566	1.365
754529.6	984645.3	12.084	0.668
754525.1	984636.4	12.696	0.819
754520.6	984627.5	13.366	0.775
754516	984618.6	15.412	2.818
754511.5	984609.7	21.484	6.467
754506.9	984600.8	51.728	32.425
754502.4	984591.8	47.608	33.103
754497.9	984582.9	144.226	34.073
754493.4	984574	-2.594	13.600
754488.8	984565.1	22.918	34.073
754484.3	984556.2	64.148	34.069
754479.8	984547.3	-41.320	-24.910
754475.3	984538.3	58.258	14.495
754470.7	984529.4	27.740	6.973
754466.2	984520.5	6.806	13.604
754461.6	984511.6	-17.578	-24.904
754457.1	984502.7	32.502	11.552
754452.6	984493.8	22.064	4.492
754448.1	984484.9	20.446	3.333
754443.5	984475.9	18.158	1.916

Easting	Northing	Conduct.	In-Phase
754439	984467	16.784	1.978
754434.5	984458.1	16.174	1.218
754429.9	984449.2	14.802	0.597
754425.4	984440.3	14.190	0.817
754420.9	984431.4	12.940	0.745
LINE 1160			
754403.1	984440.4	14.954	0.509
754407.6	984449.3	15.870	0.896
754412.1	984458.3	18.524	1.876
754416.6	984467.2	25.360	3.162
754421.2	984476.1	33.478	4.810
754425.7	984485	56.214	13.012
754430.3	984493.9	-44.404	-24.913
754434.8	984502.8	157.714	34.073
754439.3	984511.8	-26.702	-3.357
754443.8	984520.7	64.300	34.071
754448.4	984529.6	-51.758	-24.913
754452.9	984538.5	34.820	-20.178
754457.4	984547.4	43.548	-8.854
754461.9	984556.3	80.048	32.772
754466.5	984565.3	11.902	-24.908
754471	984574.1	29.418	22.086
754475.6	984583.1	40.558	34.069
754480.1	984592	-14.282	-24.493
754484.6	984600.9	55.480	34.068
754489.1	984609.8	33.600	34.068
754493.7	984618.8	-1.098	34.064
754498.2	984627.6	-20.508	-24.904
754502.7	984636.6	28.564	-0.804
754507.3	984645.4	21.790	4.869
754511.8	984654.4	15.624	2.232
754516.3	984663.3	13.916	1.934
754520.8	984672.2	12.786	0.222
754525.4	984681.1	11.840	0.584
754529.9	984690.1	11.932	0.343
754534.4	984698.9	11.780	0.163
754538.9	984707.9	11.414	-0.147
754543.5	984716.8	11.658	-0.271
754548	984725.7	11.596	0.005
754552.6	984734.6	12.024	0.725
754557.1	984743.5	11.810	0.220
754561.6	984752.4	11.688	-0.282
LINE 1180			
754521.1	984716.9	11.170	-0.327
754516.6	984708	11.384	0.347
754512.1	984699.1	11.688	0.760
754507.6	984690.2	12.084	1.495
754503	984681.3	12.604	1.291
754498.5	984672.4	16.388	1.831
754493.9	984663.4	24.628	3.941
754489.4	984654.5	29.114	21.424

Easting	Northing	Conduct.	In-Phase
754484.9	984645.6	-48.736	-24.904
754480.4	984636.7	108.062	34.068
754475.8	984627.8	-34.668	-24.886
754471.3	984618.9	99.884	34.066
754466.8	984609.9	7.110	2.546
754462.3	984601.1	-37.476	-24.871
754457.7	984592.1	29.266	34.064
754453.2	984583.2	9.094	27.780
754448.6	984574.3	10.254	30.665
754444.1	984565.4	1.068	11.372
754439.6	984556.4	7.720	16.257
754435.1	984547.6	5.004	34.066
754430.5	984538.6	18.616	14.870
754426	984529.7	-38.300	-24.897
754421.4	984520.8	54.748	34.064
754416.9	984511.9	52.918	24.333
754412.4	984503	108.246	13.817
754407.9	984494.1	109.192	26.657
754403.3	984485.1	94.086	16.421
754398.8	984476.3	116.700	16.399
754394.3	984467.3	64.300	28.607
754389.8	984458.4	-54.962	-16.428
LINE 1200			
754367.4	984458.6	57.342	13.475
754371.9	984467.4	31.952	9.828
754376.4	984476.4	56.214	6.855
754381	984485.3	-17.852	18.122
754385.5	984494.2	162.902	33.825
754390.1	984503.1	-52.430	-24.906
754394.6	984512.1	32.562	34.069
754399.1	984520.9	101.502	34.068
754403.6	984529.9	-19.654	-3.586
754408.2	984538.8	97.808	34.068
754412.7	984547.7	-8.606	31.052
754417.3	984556.6	21.392	34.068
754421.8	984565.5	70.588	34.066
754426.3	984574.4	-35.888	-24.901
754430.8	984583.4	-60.272	-24.899
754435.4	984592.3	-40.100	34.066
754439.9	984601.2	-1.800	-24.901
754444.4	984610.1	42.266	34.064
754448.9	984619	4.426	19.135
754453.4	984627.9	135.804	34.064
754458	984636.8	-51.574	-10.195
754462.5	984645.8	122.986	34.064
754467.1	984654.7	97.259	34.064
754471.6	984663.6	0.092	30.453
754476.1	984672.5	-33.936	-24.893
754480.6	984681.4	31.342	-4.047
754485.2	984690.3	19.074	3.932
754489.7	984699.3	13.978	1.337
754494.3	984708.2	12.176	0.078
754498.8	984717.1	12.084	0.979
754503.3	984726	11.566	0.056
LINE 1220			
754485.5	984735.1	11.474	-0.077
754480.9	984726.1	11.536	0.060
754476.4	984717.3	12.208	0.338
754471.9	984708.3	12.908	1.034
754467.4	984699.4	15.412	4.101
754462.8	984690.5	25.726	9.152
754458.3	984681.6	4.212	-24.901
754453.8	984672.6	29.418	34.064
754449.3	984663.8	153.106	34.064
754444.7	984654.8	178.802	34.062
754440.2	984645.9	-55.938	-24.895
754435.6	984637	120.972	34.064
754431.1	984628.1	86.396	34.062
754426.6	984619.2	-2.288	1.255
754422.1	984610.3	85.174	34.064
754417.5	984601.3	-38.910	34.064
754413	984592.4	33.814	34.062
754408.4	984583.5	-30.364	-24.890
754403.9	984574.6	-41.534	-24.890
754399.4	984565.7	125.640	34.060
754394.9	984556.8	19.134	31.901
754390.3	984547.8	7.446	30.352
754385.8	984538.9	-13.854	-24.619
754381.3	984530	148.986	34.060
754376.8	984521.1	-43.152	-24.882
754372.2	984512.2	60.180	34.060
754367.7	984503.3	85.662	34.058
754363.1	984494.4	-28.594	-24.877
754358.6	984485.4	70.160	14.615
754354.1	984476.5	45.044	6.451
754349.6	984467.6	90.576	4.946
LINE 1240			
754331.8	984476.7	-36.194	4.902
754336.3	984485.6	-12.634	5.273
754340.8	984494.5	80.628	8.358
754345.3	984503.4	51.086	15.618
754349.9	984512.3	125.184	30.240
754354.4	984521.3	-7.630	-24.733
754358.9	984530.2	13.000	9.339
754363.4	984539.1	-42.114	-24.891
754368	984548	170.502	34.060
754372.5	984556.9	-42.786	-18.863
754377.1	984565.8	84.534	34.062
754381.6	984574.8	131.684	34.060
754386.1	984583.6	-15.656	18.528
754390.6	984592.6	52.186	34.058
754395.1	984601.5	-44.922	-24.888

Easting	Northing	Conduct.	In-Phase
754399.7	984610.4	-3.632	5.539
754404.2	984619.3	305.756	34.060
754408.8	984628.3	162.292	34.057
754413.3	984637.1	139.130	34.060
754417.8	984646.1	305.694	34.058
754422.3	984654.9	306.824	34.055
754426.9	984663.9	-67.780	-24.888
754431.4	984672.8	100.250	34.060
754435.9	984681.7	97.198	34.058
754440.4	984690.6	114.502	34.060
754445	984699.6	-30.182	-24.873
754449.5	984708.4	31.342	10.056
754454.1	984717.4	14.556	0.665
754458.6	984726.3	12.756	0.562
754463.1	984735.2	12.268	1.429
754467.6	984744.1	11.718	0.145
LINE 1260			
754449.8	984753.2	11.138	-0.292
754445.3	984744.3	11.292	0.147
754440.8	984735.4	11.810	1.027
754436.3	984726.4	12.390	0.236
754431.7	984717.5	14.496	1.058
754427.2	984708.6	32.410	13.286
754422.6	984699.7	0.824	-24.891
754418.1	984690.8	-3.814	-6.774
754413.6	984681.9	215.240	34.060
754409.1	984672.9	82.336	34.058
754404.5	984664	-31.188	-24.884
754400	984655.1	85.509	34.058
754395.4	984646.2	113.952	34.058
754390.9	984637.3	-15.686	9.709
754386.4	984628.4	107.238	34.058
754381.9	984619.4	-77.210	-24.879
754377.3	984610.6	-2.502	-16.101
754372.8	984601.6	64.788	34.057
754368.3	984592.7	24.842	34.057
754363.8	984583.8	-20.202	6.122
754359.2	984574.9	-20.234	-17.310
754354.7	984565.9	195.342	34.051
754350.1	984557.1	-69.764	-24.875
754345.6	984548.1	135.650	34.051
754341.1	984539.2	18.158	23.534
754336.6	984530.3	7.294	-18.148
754332	984521.4	55.206	34.051
754327.5	984512.5	77.912	34.049
754322.9	984503.6	63.140	33.206
754318.4	984494.6	-82.580	-24.867
754313.9	984485.8	119.232	4.033
LINE 1280			
754296.1	984494.8	-18.982	-24.851
754300.6	984503.7	91.950	34.044

Easting	Northing	Conduct.	In-Phase
754305.1	984512.6	32.654	34.046
754309.7	984521.6	29.450	22.297
754314.2	984530.4	22.216	18.133
754318.8	984539.4	23.712	21.718
754323.3	984548.3	33.142	21.575
754327.8	984557.2	-23.346	-24.834
754332.3	984566.1	104.736	34.046
754336.8	984575	-53.406	-24.849
754341.4	984583.9	17.852	23.804
754345.9	984592.9	110.046	34.044
754350.4	984601.8	-42.266	-24.847
754354.9	984610.7	10.926	-11.956
754359.5	984619.6	-41.290	-24.823
754364	984628.5	142.120	34.046
754368.6	984637.4	-3.662	-24.833
754373.1	984646.3	116.882	34.046
754377.6	984655.3	113.586	34.044
754382.1	984664.2	0.886	11.344
754386.7	984673.1	-28.472	-24.845
754391.2	984682	171.662	34.040
754395.8	984690.9	5.554	34.044
754400.3	984699.8	-31.098	-24.845
754404.8	984708.8	33.570	0.292
754409.3	984717.7	20.356	3.724
754413.9	984726.6	15.136	0.231
754418.4	984735.5	12.726	-0.376
754422.9	984744.4	12.054	-0.507
754427.4	984753.3	11.810	-0.567
754432	984762.3	11.750	-0.760
LINE 1300			
754414.1	984771.3	10.834	-0.852
754409.6	984762.4	11.628	-0.457
754405.1	984753.4	12.084	0.213
754400.6	984744.6	11.414	-0.549
754396	984735.6	12.452	-0.893
754391.5	984726.8	13.366	0.249
754387	984717.8	15.960	1.695
754382.4	984708.9	27.894	11.258
754377.9	984700	-17.364	-24.858
754373.4	984691.1	52.886	34.051
754368.9	984682.1	-59.968	-24.856
754364.3	984673.3	176.758	34.047
754359.8	984664.3	-61.188	-24.853
754355.3	984655.4	93.658	34.047
754350.8	984646.5	166.992	34.047
754346.2	984637.6	-48.828	-8.975
754341.7	984628.7	98.968	34.047
754337.1	984619.8	18.646	30.878
754332.6	984610.8	70.588	34.046
754328.1	984601.9	6.866	34.047
754323.6	984593	75.500	34.044

Easting	Northing	Conduct.	In-Phase
754319	984584.1	-59.968	-24.849
754314.5	984575.2	38.146	28.515
754309.9	984566.3	22.034	20.711
754305.4	984557.3	16.876	19.824
754300.9	984548.4	13.000	24.754
754296.4	984539.5	22.584	-14.822
754291.8	984530.6	27.984	34.046
754287.3	984521.7	68.818	34.046
754282.8	984512.8	48.828	34.044
754278.3	984503.9	64.086	34.042
LINE 1320			
754260.4	984512.9	-6.286	-24.840
754264.9	984521.8	101.928	34.042
754269.5	984530.8	14.160	26.394
754274	984539.6	0.274	10.874
754278.6	984548.6	42.634	27.932
754283.1	984557.5	72.266	30.279
754287.6	984566.4	44.190	31.273
754292.1	984575.3	35.614	34.040
754296.6	984584.3	-16.968	-24.834
754301.2	984593.1	-9.337	-24.834
754305.7	984602.1	-13.062	-24.834
754310.3	984611	0.824	-24.836
754314.8	984619.9	-7.080	34.038
754319.3	984628.8	105.468	34.040
754323.8	984637.7	-8.576	-24.834
754328.4	984646.6	35.186	15.864
754332.9	984655.6	41.962	34.040
754337.4	984664.4	64.300	34.038
754341.9	984673.4	90.362	34.042
754346.5	984682.3	-22.522	-20.878
754351	984691.2	16.326	1.359
754355.6	984700.1	34.118	12.410
754360.1	984709.1	19.256	3.322
754364.6	984717.9	14.832	0.951
754369.1	984726.9	13.306	0.049
754373.7	984735.8	12.482	0.852
LINE 1340			
754355.8	984744.8	12.116	-0.639
754351.3	984735.9	12.360	-0.365
754346.8	984727	12.116	-0.305
754342.3	984718.1	12.664	0.051
754337.8	984709.2	13.244	0.260
754333.2	984700.3	13.824	1.085
754328.7	984691.4	16.022	1.615
754324.1	984682.4	19.440	3.893
754319.6	984673.5	26.124	8.376
754315.1	984664.6	40.130	16.110
754310.6	984655.7	19.622	-6.407
754306	984646.8	-5.494	-4.161
754301.5	984637.9	84.320	34.044

Easting	Northing	Conduct.	In-Phase
754296.9	984628.9	21.546	34.046
754292.4	984620.1	67.688	34.044
754287.9	984611.1	-7.598	-11.869
754283.4	984602.2	78.766	34.044
754278.8	984593.3	20.630	6.717
754274.3	984584.4	95.826	34.044
754269.8	984575.4	-30.304	-24.842
754265.3	984566.6	-25.024	-24.836
754260.7	984557.6	65.368	34.044
754256.2	984548.7	2.594	-6.495
754251.6	984539.8	55.512	34.042
754247.1	984530.9	18.128	26.413
754242.6	984522	33.172	34.044
LINE 1360			
754224.8	984531.1	78.674	34.040
754229.3	984539.9	117.798	34.040
754233.8	984548.9	-44.372	-24.836
754238.3	984557.8	51.818	34.040
754242.9	984566.7	35.004	31.429
754247.4	984575.6	16.326	21.343
754251.9	984584.5	57.862	34.040
754256.4	984593.4	-8.178	-21.586
754261	984602.4	93.902	34.040
754265.5	984611.3	7.202	1.420
754270.1	984620.2	65.522	34.040
754274.6	984629.1	-13.458	9.099
754279.1	984638	5.004	-16.783
754283.6	984646.9	57.282	27.194
754288.2	984655.8	32.226	10.379
754292.7	984664.8	22.186	4.544
754297.3	984673.7	17.578	2.326
754301.8	984682.6	15.564	1.240
754306.3	984691.5	14.678	0.610
754310.8	984700.4	13.580	0.450
754315.4	984709.3	12.878	-0.121
754319.9	984718.3	11.688	-0.325
754324.4	984727.2	12.084	-0.378
754328.9	984736.1	11.994	-0.396
754333.5	984745	11.506	-0.690
754338	984753.9	11.536	-0.393
LINE 1380			
754297.5	984718.4	11.688	-0.586
754293	984709.5	11.872	-0.551
754288.4	984700.6	12.176	-0.290
754283.9	984691.6	12.116	-0.279
754279.4	984682.8	12.238	0.064
754274.9	984673.8	12.818	0.102
754270.4	984664.9	13.154	0.589
754265.8	984656	14.038	0.507
754261.3	984647.1	14.678	1.076
754256.8	984638.2	17.518	2.776

Easting	Northing	Conduct.	In-Phase
754252.3	984629.3	21.850	4.880
754247.7	984620.3	34.728	15.180
754243.2	984611.4	74.340	34.044
754238.6	984602.5	72.846	33.077
754234.1	984593.6	-48.492	-24.836
754229.6	984584.7	11.596	-9.545
754225.1	984575.8	107.666	34.040
754220.5	984566.8	-15.502	-24.836
754216	984557.9	69.854	34.040
754211.4	984549	-21.270	-24.836
754206.9	984540.1	60.638	34.040
LINE 1400			
754189.1	984549.1	103.820	34.038
754193.6	984558.1	126.312	34.036
754198.1	984567	-28.962	-6.875
754202.7	984575.9	21.088	-9.260
754207.2	984584.8	48.126	24.678
754211.8	984593.8	27.802	7.662
754216.3	984602.6	20.660	4.018
754220.8	984611.6	18.066	2.568
754225.3	984620.5	16.266	1.440
754229.9	984629.4	14.252	0.452
754234.4	984638.3	13.672	0.183
754238.9	984647.2	13.794	0.161
754243.4	984656.1	12.786	-0.034
754248	984665.1	12.330	0.209
754252.5	984673.9	12.238	-0.084
754257.1	984682.9	12.542	-0.404
754261.6	984691.8	12.024	-0.327
754266.1	984700.7	12.238	-0.176
754270.6	984709.6	12.024	-0.608
754275.2	984718.6	11.872	-0.569
754279.7	984727.4	11.962	-0.301
LINE 1440			
754244.1	984745.6	11.902	-0.648
754239.5	984736.7	12.024	-0.692
754235	984727.8	11.932	-0.575
754230.4	984718.8	11.932	-0.527
754225.9	984709.9	11.750	-0.685
754221.4	984701	12.390	-0.314
754216.9	984692.1	11.932	-0.635
754212.3	984683.2	11.994	0.972
754207.8	984674.3	11.718	-0.411
754203.3	984665.3	12.452	0.722
754198.8	984656.4	12.786	-0.369
754194.2	984647.5	12.970	-0.137
754189.7	984638.6	13.122	0.132
754185.1	984629.7	13.276	-0.196
754180.6	984620.8	13.978	0.022
754176.1	984611.9	14.344	0.494
754171.6	984602.9	15.228	1.146

Easting	Northing	Conduct.	In-Phase
754167	984594	17.028	2.164
754162.5	984585.1	19.378	3.129
754157.9	984576.2	22.614	4.472
754153.4	984567.3	26.886	7.981
LINE 1460			
754135.6	984576.3	16.204	0.771
754140.1	984585.3	15.686	0.251
754144.7	984594.2	14.862	0.058
754149.2	984603.1	13.580	-0.045
754153.8	984612	13.520	-0.293
754158.3	984620.9	13.184	-0.350
754162.8	984629.8	12.756	-0.325
754167.3	984638.8	13.032	-0.135
754171.9	984647.6	12.452	-0.554
754176.4	984656.6	12.390	-0.573
754180.9	984665.5	12.298	-0.641
754185.4	984674.4	12.146	-0.264
754189.9	984683.3	11.994	-0.674
754194.5	984692.3	11.750	-0.622
754199	984701.1	11.750	-0.622
754203.6	984710.1	11.750	-0.510
754208.1	984719	11.872	-0.387
754212.6	984727.9	11.780	-0.650
LINE 1480			
754185.8	984719.1	11.536	-0.659
754181.2	984710.2	11.810	-0.733
754176.7	984701.3	12.146	-0.786
754172.1	984692.4	11.628	-0.674
754167.6	984683.4	12.146	-0.648
754163.1	984674.6	11.872	-0.742
754158.6	984665.6	11.932	-0.703
754154	984656.7	11.688	-0.622
754149.5	984647.8	12.054	-0.466
754144.9	984638.9	12.756	-0.343
754140.4	984630	12.696	-0.338
754135.9	984621.1	12.542	-0.663
754131.4	984612.1	11.962	-0.203
754126.8	984603.3	11.506	-0.214
754122.3	984594.3	11.688	-0.507
754117.8	984585.4	13.398	-0.203
LINE 1500			
754099.9	984594.4	13.092	-0.608
754104.5	984603.4	12.786	-0.543
754109	984612.3	12.574	-0.611
754113.6	984621.2	12.786	-0.578
754118.1	984630.1	12.482	-0.101
754122.6	984639.1	11.750	-0.621
754127.1	984647.9	11.718	-0.582
754131.6	984656.9	11.596	-0.521
754136.2	984665.8	11.750	-0.588
754140.7	984674.7	11.932	-0.406

Easting	Northing	Conduct.	In-Phase
754145.3	984683.6	11.872	-0.643
754149.8	984692.5	11.840	0.064
754154.3	984701.4	11.840	-0.521
754158.8	984710.4	11.840	-0.492
754163.4	984719.3	11.474	-0.565
754167.9	984728.2	11.566	-0.518
LINE 1520			
754127.4	984692.7	11.596	-0.915
754122.9	984683.8	11.840	-0.700
754118.4	984674.8	11.688	-0.543
754113.8	984665.9	11.780	-0.415
754109.3	984657	11.628	-0.622
754104.8	984648.1	11.414	-0.538
754100.3	984639.2	11.962	-0.514
754095.7	984630.3	11.658	-0.501
754091.2	984621.4	11.872	-0.595
754086.6	984612.4	12.084	-0.736
754082.1	984603.5	12.420	-0.690
754077.6	984594.6	0.000	0.000
LINE 950			
754432.4	984145.1	18.006	-0.486
754423.5	984149.6	17.028	-0.536
754414.6	984154.1	14.068	-0.483
754405.7	984158.6	13.184	-0.689
754396.8	984163.2	13.122	-0.468
754387.9	984167.7	12.940	-0.518
754378.9	984172.3	12.664	-0.580
754370	984176.8	12.818	-0.632
754361.1	984181.3	12.756	-0.598
754352.2	984185.8	12.330	-0.573
754343.3	984190.4	12.238	-0.736
754334.4	984194.9	12.360	-0.591
754325.4	984199.4	12.330	-0.597
754316.6	984203.9	12.146	-0.692
754307.6	984208.5	12.268	-0.558
754298.7	984213	12.574	0.090
754289.8	984217.6	12.054	-0.321
754280.9	984222.1	12.452	-0.562
754271.9	984226.6	12.238	-0.758
754263.1	984231.1	12.574	-0.722
754254.1	984235.7	12.360	-0.610
754245.2	984240.2	12.420	-0.564
754236.3	984244.8	12.208	-0.655
754227.4	984249.3	11.962	-0.536
754218.5	984253.8	12.176	0.090
754209.6	984258.3	12.268	-0.591
754200.6	984262.9	12.176	-0.374
754191.8	984267.4	12.664	-0.011
754182.8	984271.9	13.550	-0.009
754173.9	984276.4	16.998	1.541
754165	984281	28.290	5.811

Easting	Northing	Conduct.	In-Phase
754156.1	984285.5	-66.284	-24.778
754147.1	984290.1	-8.941	2.046
754138.3	984294.6	172.332	34.007
754129.3	984299.1	14.710	32.337
754120.4	984303.6	44.922	34.007
754111.5	984308.2	20.264	15.463
754102.6	984312.7	1.984	3.454
754093.7	984317.3	28.718	31.690
754084.8	984321.8	2.778	-9.894
754075.8	984326.3	19.470	-24.755
754066.9	984330.8	86.640	7.008
754058	984335.3	64.208	13.981
754049.1	984339.9	-15.290	5.933
754040.2	984344.4	20.324	0.327
754031.3	984348.9	17.852	0.222
754022.3	984353.4	14.312	-0.134
754013.4	984358	12.116	-0.275
754004.5	984362.5	11.872	-0.551
753995.6	984367.1	12.208	-0.444
753986.7	984371.6	11.414	-0.262
753977.8	984376.1	11.170	-0.246
753968.9	984380.6	10.926	-0.396
LINE 900			
753946.2	984336.1	11.230	-0.918
753955.1	984331.6	11.414	-0.270
753964	984327	11.108	-0.532
753972.9	984322.5	11.352	-0.262
753981.9	984317.9	11.138	-0.819
753990.8	984313.4	11.078	-0.514
753999.7	984308.9	11.536	-0.611
754008.6	984304.4	11.688	-0.665
754017.5	984299.8	11.506	-0.486
754026.4	984295.3	11.840	-0.648
754035.4	984290.8	12.390	-0.519
754044.3	984286.3	13.122	0.078
754053.2	984281.7	14.038	0.953
754062.1	984277.2	15.136	1.085
754071	984272.6	16.022	2.157
754079.9	984268.1	16.662	2.296
754088.8	984263.6	15.624	1.600
754097.8	984259.1	14.892	1.201
754106.7	984254.5	14.282	0.486
754115.6	984250	13.520	0.286
754124.5	984245.4	12.390	-0.073
754133.4	984240.9	11.840	-0.036
754142.3	984236.4	11.688	-0.582
754151.3	984231.9	11.718	-0.468
754160.2	984227.3	11.596	-0.516
754169.1	984222.8	11.780	-0.674
754178	984218.3	11.506	0.198
754186.9	984213.8	10.742	-0.518

Easting	Northing	Conduct.	In-Phase
754195.8	984209.3	11.962	0.418
754204.8	984204.7	11.718	-0.352
754213.6	984200.2	11.658	-0.400
754222.6	984195.6	11.810	-0.531
754231.5	984191.1	11.444	-0.284
754240.4	984186.6	11.506	-0.665
754249.3	984182.1	11.474	-0.461
754258.3	984177.5	11.780	-0.191
754267.1	984173	11.780	-0.284
754276.1	984168.4	11.474	-0.156
754284.9	984163.9	11.780	-0.218
754293.9	984159.4	11.750	-0.169
754302.8	984154.9	11.780	0.224
754311.7	984150.3	12.208	-0.229
754320.6	984145.8	11.932	-0.633
754329.6	984141.3	12.238	-0.163
754338.4	984136.8	12.330	-0.069
754347.4	984132.2	12.818	-0.547
754356.3	984127.7	14.924	-0.286
754365.2	984123.1	16.662	-0.049
754374.1	984118.6	16.114	-0.025
LINE 850			
754315.8	984092.2	15.778	-0.321
754306.9	984096.7	15.900	-0.306
754298	984101.3	14.374	0.068
754289.1	984105.8	14.526	0.569
754280.1	984110.3	15.076	-0.154
754271.3	984114.8	17.272	0.521
754262.3	984119.3	13.978	0.435
754253.4	984123.9	12.848	-0.108
754244.5	984128.4	12.298	0.187
754235.6	984132.9	11.962	0.022
754226.6	984137.4	12.084	0.409
754217.8	984142	12.054	-0.163
754208.8	984146.5	12.054	-0.150
754199.9	984151.1	11.750	-0.170
754191	984155.6	11.810	0.135
754182.1	984160.1	12.176	0.902
754173.2	984164.6	11.902	1.082
754164.3	984169.2	12.054	0.126
754155.3	984173.7	11.994	1.308
754146.4	984178.3	12.146	1.486
754137.5	984182.8	12.176	-0.198
754128.6	984187.3	11.384	-0.135
754119.7	984191.8	11.658	-0.361
754110.8	984196.4	11.750	0.617
754101.9	984200.9	11.718	1.102
754092.9	984205.4	11.658	0.452
754084	984209.9	11.474	1.240
754075.1	984214.5	12.116	1.135
754066.2	984219	11.840	0.407

Easting	Northing	Conduct.	In-Phase
754057.3	984223.6	12.268	-0.124
754048.4	984228.1	12.208	0.007
754039.4	984232.6	12.238	-0.009
754030.5	984237.1	11.780	0.565
754021.6	984241.7	11.628	0.071
754012.7	984246.2	11.688	0.420
754003.8	984250.8	11.596	0.367
753994.9	984255.3	12.176	-0.031
753985.9	984259.8	11.872	0.135
753977.1	984264.3	11.474	-0.211
753968.1	984268.9	11.902	0.005
753959.2	984273.4	11.414	0.341
753950.3	984277.9	0.000	0.000

Easting	Northing	Conduct.	In-Phase
LINE 1760: SEAD-64C West			
752365.7	984115.3	11.078	.984
752375.7	984115.1	11.322	.615
752385.7	984114.9	11.506	.406
752395.7	984114.8	11.688	1.096
752405.7	984114.7	11.2	1.122
752415.7	984114.6	11.26	1.514
752425.7	984114.4	11.17	.595
752435.7	984114.3	11.2	.674
752445.7	984114.1	10.956	.44
752455.7	984114	11.17	.768
752465.7	984113.9	11.384	.435
752475.7	984113.8	11.322	.643
752485.7	984113.6	12.116	1.725
752495.7	984113.4	15.594	5.879
752505.7	984113.3	-2.838	-24.77
752515.7	984113.2	-2.716	26.018
752525.6	984113.1	10.254	-19.884
752535.6	984112.9	3.54	-2.743
752545.6	984112.8	14.312	2.759
752555.6	984112.6	11.26	1.216
752565.6	984112.5	10.314	.472
LINE 1800			
752566.2	984152.5	10.132	.312
752556.2	984152.6	10.894	.542
752546.2	984152.8	10.804	1.032
752536.2	984152.9	11.596	1.491
752526.2	984153.1	11.566	1.324
752516.2	984153.2	12.542	1.635
752506.2	984153.3	12.696	1.209
752496.2	984153.4	12.054	1.249
752486.2	984153.6	11.628	.802
752476.2	984153.8	11.658	.655
752466.2	984153.9	11.566	.442
752456.2	984154	11.352	.931
752446.2	984154.1	11.23	.806
752436.2	984154.3	11.322	.729
752426.2	984154.4	11.628	1.131
752416.2	984154.6	11.292	.927
752406.2	984154.7	10.834	-.273
752396.2	984154.8	10.742	-.058
752386.2	984154.9	10.712	.494
752376.2	984155.1	10.956	.058
752366.2	984155.3	11.444	.505
LINE 1840			
752366.8	984195.3	11.474	.6
752376.8	984195.1	11.2	.593
752386.8	984194.9	11.566	1.536
752396.8	984194.8	11.016	1.113
752406.8	984194.7	11.078	.598
752416.8	984194.6	11.322	.692
752426.8	984194.4	11.292	.962
752436.8	984194.3	11.474	.826
752446.8	984194.1	11.444	.523
752456.8	984194	11.23	.615
752466.8	984193.9	10.986	.793
752476.8	984193.8	11.078	.79
752486.8	984193.6	11.26	.4
752496.8	984193.4	11.016	.431
752506.8	984193.3	10.864	.457
752516.8	984193.2	10.772	.584
752526.8	984193.1	10.742	1.03
752536.8	984192.9	10.834	.959
752546.8	984192.8	10.804	1.433
752556.8	984192.6	10.498	1.054
752566.8	984192.5	10.162	.878
LINE 1880			
752567.3	984232.5	10.498	1.648
752557.3	984232.6	10.438	.378
752547.3	984232.8	10.56	.461
752537.3	984232.9	10.894	.709
752527.3	984233.1	10.894	.13
752517.3	984233.2	11.26	.475
752507.3	984233.3	11.23	.319
752497.3	984233.4	11.352	.885
752487.3	984233.6	11.17	.339
752477.3	984233.8	10.986	.791
752467.3	984233.9	11.352	.494
752457.3	984234	10.986	.997
752447.3	984234.1	11.2	.696
752437.3	984234.3	11.016	.727
752427.3	984234.4	11.078	.336
752417.3	984234.6	11.2	1.085
752407.3	984234.7	11.108	.972
752397.3	984234.8	10.986	.268
752387.3	984234.9	11.26	.376
752377.3	984235.1	11.016	.453
752367.3	984235.2	11.138	.712
LINE 1920			
752367.9	984275.2	12.208	.176
752377.9	984275.1	12.238	.284
752387.9	984274.9	11.718	-.224
752397.8	984274.8	11.78	.545
752407.8	984274.7	12.208	.641
752417.8	984274.6	12.298	.224
752427.8	984274.4	11.352	.011
752437.8	984274.3	12.054	-.271
752447.8	984274.1	11.902	.145
752457.8	984274	12.268	.777
752467.8	984273.9	12.024	.38
752477.8	984273.7	12.176	.937
752487.8	984273.6	12.268	.836

Easting	Northing	Conduct.	In-Phase
752497.8	984273.4	11.902	.303
752507.8	984273.3	11.932	.328
752517.8	984273.2	11.81	.554
752527.8	984273.1	11.658	.248
752537.8	984272.9	11.536	.281
752547.8	984272.8	11.26	.358
752557.8	984272.6	11.474	.672
752567.8	984272.5	11.016	.402
LINE 1960			
752568.4	984312.5	10.894	.137
752558.4	984312.6	11.108	.459
752548.4	984312.8	11.016	.611
752538.4	984312.9	11.23	.9
752528.4	984313.1	11.26	.812
752518.4	984313.2	11.506	.553
752508.4	984313.3	11.292	.576
752498.4	984313.4	11.536	1.317
752488.4	984313.6	11.352	.762
752478.4	984313.7	11.384	.575
752468.4	984313.9	11.384	.598
752458.4	984314	11.506	.621
752448.4	984314.1	11.444	.547
752438.4	984314.3	11.536	.466
752428.4	984314.4	11.414	.962
752418.4	984314.5	11.628	.856
752408.4	984314.7	11.384	.74
752398.4	984314.8	11.322	1.045
752388.4	984314.9	11.414	.281
752378.4	984315.1	11.474	.407
752368.4	984315.2	11.506	1.098
LINE 2000			
752368.9	984355.2	11.414	.347
752378.9	984355.1	11.414	.723
752388.9	984354.9	11.292	1.01
752398.9	984354.8	11.322	1.225
752408.9	984354.7	11.23	.626
752418.9	984354.5	11.078	.65
752428.9	984354.4	11.138	.984
752438.9	984354.3	11.108	1.163
752448.9	984354.1	11.078	1.256
752458.9	984354	11.23	1.194
752468.9	984353.9	11.322	1.181
752478.9	984353.7	11.078	.966
752488.9	984353.6	11.138	.824
752498.9	984353.4	11.384	1.414
752508.9	984353.3	11.352	1.232
752518.9	984353.2	11.414	.959
752528.9	984353	10.894	1.062
752538.9	984352.9	11.2	.463
752548.9	984352.8	11.26	.937
752558.9	984352.6	11.108	.4
752568.9	984352.5	10.986	.742
752578.9	984352.4	11.108	.964
752588.9	984352.2	10.864	1.177
752598.9	984352.1	10.712	1.074
752608.9	984351.9	10.528	.409
752618.9	984351.8	10.59	.942
752628.9	984351.7	10.65	1.155
752638.9	984351.6	10.314	1.317
752648.9	984351.4	10.712	.709
752658.9	984351.3	10.254	.896
752668.9	984351.1	10.406	1.392
752678.9	984351	10.314	.878
752688.9	984350.9	10.528	.321
752698.9	984350.8	10.314	.492
752708.9	984350.6	10.284	.248
752718.9	984350.4	10.346	.404
752728.9	984350.3	10.102	.439
752738.9	984350.2	10.254	.426
752748.9	984350.1	10.01	1.284
752758.9	984349.9	10.192	.453
752768.9	984349.8	10.162	.801
752778.9	984349.6	10.56	.45
752788.9	984349.5	10.56	1.034
752798.9	984349.4	10.56	1.091
752808.9	984349.3	10.56	.633
752818.9	984349.1	10.528	.453
LINE 2040			
752819.4	984389.1	10.04	.284
752809.4	984389.3	10.254	.373
752799.4	984389.4	10.468	.327
752789.4	984389.5	10.56	1.001
752779.4	984389.6	10.376	.374
752769.4	984389.8	10.162	.183
752759.4	984389.9	10.254	.646
752749.4	984390.1	10.01	.137
752739.4	984390.2	10.59	.637
752729.4	984390.3	10.438	.005
752719.4	984390.4	10.406	.731
752709.4	984390.6	10.376	.562
752699.4	984390.7	10.528	1.394
752689.4	984390.9	10.834	.273
752679.4	984391	10.712	.573
752669.4	984391.1	10.712	.951
752659.4	984391.3	10.742	.338
752649.4	984391.4	11.138	.982
752639.4	984391.6	10.894	.174
752629.4	984391.7	11.016	.376
752619.4	984391.8	11.016	.795
752609.4	984391.9	10.894	.321
752599.4	984392.1	10.926	.218
752589.4	984392.2	11.016	.753

Easting	Northing	Conduct.	In-Phase
752579.4	984392.4	11.17	.716
752569.4	984392.5	11.108	.562
752559.4	984392.6	11.352	.611
752549.4	984392.8	11.352	.814
752539.4	984392.9	11.566	.525
752529.4	984393	11.566	.317
752519.4	984393.2	11.536	.4
752509.4	984393.3	11.474	.474
752499.4	984393.4	11.658	.325
752489.4	984393.6	11.474	.321
752479.4	984393.7	11.444	.692
752469.4	984393.8	11.414	.402
752459.5	984394	11.384	.617
752449.5	984394.1	11.474	.11
752439.5	984394.3	11.384	.213
752429.5	984394.4	10.956	.676
752419.5	984394.5	10.834	.352
752409.5	984394.7	10.772	.312
752399.5	984394.8	10.772	.361
752389.5	984394.9	10.864	.457
752379.5	984395.1	10.804	.161
752369.5	984395.2	10.438	.095
LINE 2080			
752370	984435.2	11.536	.488
752380	984435.1	11.322	1.017
752390	984434.9	11.138	.477
752400	984434.8	11.384	.667
752410	984434.6	11.444	1.403
752420	984434.5	11.292	1.335
752430	984434.4	11.536	.953
752440	984434.3	11.352	1.758
752450	984434.1	11.016	.558
752460	984434	11.444	.657
752470	984433.8	11.506	.784
752480	984433.7	11.566	.327
752490	984433.6	11.628	.253
752500	984433.4	11.596	-.104
752510	984433.3	11.962	.073
752520	984433.2	11.902	-.128
752530	984433	11.78	.031
752540	984432.9	11.81	.108
752550	984432.8	11.872	.196
752560	984432.6	11.872	.549
752570	984432.5	11.902	.802
752580	984432.3	11.138	.045
752590	984432.2	11.384	.148
752600	984432.1	11.414	.143
752610	984431.9	11.108	.04
752620	984431.8	11.322	.143
752630	984431.7	11.2	-.27
752640	984431.5	11.352	-.189
752650	984431.4	11.078	-.102
752660	984431.3	11.138	.573
752670	984431.1	11.078	.233
752680	984431	11.2	.338
752690	984430.9	11.138	.154
752700	984430.7	11.292	.18
752710	984430.6	10.712	.211
752720	984430.4	11.078	.058
752730	984430.3	10.498	.338
752740	984430.2	10.804	.617
752750	984430.1	10.804	.496
752760	984429.9	10.56	.224
752770	984429.8	10.59	.582
752780	984429.6	10.528	.194
752790	984429.5	10.468	.249
752800	984429.4	10.528	.415
752810	984429.2	10.224	-.161
752820	984429.1	10.192	.022
LINE 2120			
752820.5	984469.1	10.346	1.166
752810.5	984469.2	10.804	.63
752800.5	984469.4	10.682	.758
752790.5	984469.5	10.804	1.42
752780.5	984469.6	10.834	.878
752770.5	984469.8	10.682	1.227
752760.5	984469.9	10.772	1.052
752750.5	984470	10.864	1.427
752740.5	984470.2	11.078	1.306
752730.6	984470.3	10.894	.87
752720.6	984470.4	11.26	.883
752710.6	984470.6	11.078	1.269
752700.6	984470.7	11.322	1.521
752690.6	984470.9	11.628	1.64
752680.6	984471	11.016	1.087
752670.6	984471.1	11.17	1.181
752660.6	984471.3	11.108	.972
752650.6	984471.4	11.414	1.787
752640.6	984471.5	11.322	1.354
752630.6	984471.7	11.23	1.424
752620.6	984471.8	11.536	.817
752610.6	984471.9	11.384	1.706
752600.6	984472.1	11.444	.83
752590.6	984472.2	11.628	1.111
752580.6	984472.3	12.054	.632
752570.6	984472.5	11.414	.674
752560.6	984472.6	11.81	.83
752550.6	984472.8	11.932	.876
752540.6	984472.9	11.688	1.225
752530.6	984473	11.78	.905
752520.6	984473.1	11.596	1.027
752510.6	984473.3	11.718	.885

Easting	Northing	Conduct.	In-Phase
752500.6	984473.4	11.536	1.334
752490.6	984473.6	11.352	1.24
752480.6	984473.7	11.444	1.416
752470.6	984473.8	11.322	.747
752460.6	984474	11.536	1.221
752450.6	984474.1	11.26	1.159
752440.6	984474.3	11.292	1.141
752430.6	984474.4	11.17	.621
752420.6	984474.5	11.506	1.176
752410.6	984474.6	11.628	.747
752400.6	984474.8	11.474	.823
752390.6	984474.9	11.444	1.583
752380.6	984475.1	11.474	1.06
752370.6	984475.2	11.444	1.334
LINE 2160			
752371.1	984515.2	11.75	.63
752381.1	984515.1	11.596	1.218
752391.1	984514.9	11.536	.837
752401.1	984514.8	11.81	.913
752411.1	984514.6	11.718	.694
752421.1	984514.5	11.688	.94
752431.1	984514.4	11.628	.801
752441.1	984514.3	11.506	1.528
752451.1	984514.1	11.658	1.403
752461.1	984513.9	11.872	1.372
752471.1	984513.8	11.688	1.341
752481.1	984513.7	11.84	.753
752491.1	984513.6	11.78	.727
752501.1	984513.4	11.932	.837
752511.1	984513.3	12.176	.841
752521.1	984513.1	12.298	1.161
752531.1	984513	12.116	.735
752541.1	984512.9	11.872	.854
752551.1	984512.8	12.268	1.716
752561.1	984512.6	11.932	.841
752571.1	984512.5	11.506	.966
752581.1	984512.3	11.75	.589
752591.1	984512.2	11.902	.757
752601.1	984512.1	11.688	.672
752611.1	984511.9	11.596	.819
752621.1	984511.8	11.474	1.273
752631.1	984511.7	11.688	.63
752641.1	984511.5	11.414	1.133
752651.1	984511.4	11.384	1.155
752661.1	984511.3	11.26	.847
752671.1	984511.1	10.834	.551
752681.1	984511	10.834	.727
752691.1	984510.8	10.986	1.203
752701.1	984510.7	11.016	1.729
752711.1	984510.6	11.17	1.117
752721.1	984510.4	10.986	.824

Easting	Northing	Conduct.	In-Phase
752731.1	984510.3	11.108	1.293
752741.1	984510.2	11.17	.757
752751.1	984510	11.2	1.42
752761.1	984509.9	11.108	.76
752771.1	984509.8	11.2	1.857
752781.1	984509.6	10.804	.644
752791.1	984509.5	10.894	1.662
752801.1	984509.4	10.864	1.343
752811.1	984509.2	10.864	1.356
752821.1	984509.1	10.956	.766
LINE 2200			
752821.6	984549.1	11.872	.88
752811.6	984549.2	11.81	.924
752801.6	984549.3	12.116	.711
752791.6	984549.5	11.81	.9
752781.6	984549.6	11.872	.621
752771.6	984549.8	11.75	.58
752761.6	984549.9	11.596	.738
752751.6	984550	11.84	1.278
752741.6	984550.2	11.84	.784
752731.6	984550.3	11.994	1.6
752721.6	984550.4	11.658	.72
752711.6	984550.6	11.688	1.697
752701.6	984550.7	11.628	1.324
752691.6	984550.8	11.352	.973
752681.6	984551	11.688	.977
752671.6	984551.1	11.048	.766
752661.6	984551.3	11.506	.872
752651.6	984551.4	11.414	.905
752641.6	984551.5	11.566	.874
752631.6	984551.6	11.414	.957
752621.6	984551.8	11.444	.782
752611.6	984551.9	11.506	.378
752601.6	984552.1	11.658	.497
752591.6	984552.2	11.566	.99
752581.6	984552.3	11.566	.474
752571.6	984552.4	11.444	.782
752561.6	984552.6	11.81	1.591
752551.6	984552.8	11.994	1.302
752541.6	984552.9	11.84	.948
752531.6	984553	12.238	1.093
752521.6	984553.1	11.81	.924
752511.6	984553.3	11.902	1.378
752501.6	984553.4	11.84	.848
752491.6	984553.6	11.628	.779
752481.6	984553.7	11.718	.7
752471.6	984553.8	11.718	.606
752461.6	984553.9	11.688	1.001
752451.6	984554.1	11.444	1.098
752441.6	984554.3	11.78	.626
752431.6	984554.4	11.902	1.33

Easting	Northing	Conduct.	In-Phase
752421.6	984554.5	12.084	1.387
752411.6	984554.6	12.116	.769
752401.6	984554.8	12.084	1.24
752391.6	984554.9	12.33	1.172
752381.6	984555.1	12.33	.907
752371.6	984555.2	12.298	1.028
LINE 2240			
752372.2	984595.2	12.176	.705
752382.2	984595.1	12.238	1.774
752392.2	984594.9	12.084	1.014
752402.2	984594.8	12.054	.733
752412.2	984594.6	11.718	1.273
752422.2	984594.5	11.81	.76
752432.2	984594.4	11.474	.705
752442.2	984594.3	11.688	.74
752452.2	984594.1	11.384	1.098
752462.2	984593.9	11.352	.881
752472.2	984593.8	11.2	.861
752482.2	984593.7	11.322	.791
752492.2	984593.6	11.322	.885
752502.2	984593.4	11.536	.953
752512.2	984593.3	11.384	1.074
752522.2	984593.1	11.384	.955
752532.2	984593	11.474	.824
752542.2	984592.9	11.872	1.234
752552.2	984592.8	11.84	.707
752562.2	984592.6	11.994	1.278
752572.2	984592.4	11.872	1.615
752582.2	984592.3	11.994	.689
752592.2	984592.2	11.78	1.488
752602.2	984592.1	11.688	.975
752612.2	984591.9	11.994	1.256
752622.2	984591.8	11.962	.705
752632.2	984591.6	12.084	.955
752642.2	984591.5	12.238	1.106
752652.2	984591.4	11.84	.826
752662.2	984591.3	11.81	.61
752672.2	984591.1	11.75	.78
752682.2	984591	11.628	.933
752692.2	984590.8	11.566	1.218
752702.2	984590.7	11.566	.69
752712.2	984590.6	11.352	.635
752722.2	984590.4	11.962	.58
752732.2	984590.3	11.932	.538
752742.2	984590.1	11.81	.387
752752.2	984590	11.536	.567
752762.2	984589.9	12.238	.801
752772.2	984589.8	11.962	.676
752782.2	984589.6	11.81	.692
752792.2	984589.5	12.084	1.212
752802.2	984589.3	12.054	.826
752812.1	984589.2	12.268	.626
752822.1	984589.1	12.024	.654
LINE 2280			
752822.7	984629.1	12.268	.659
752812.7	984629.2	12.116	.63
752802.7	984629.3	12.298	1.74
752792.7	984629.5	12.024	1.396
752782.7	984629.6	11.688	1.631
752772.7	984629.8	11.596	.722
752762.7	984629.9	11.506	.964
752752.7	984630	11.23	1.278
752742.7	984630.1	11.26	.9
752732.7	984630.3	11.414	.69
752722.7	984630.4	10.986	.938
752712.7	984630.6	10.986	1.401
752702.7	984630.7	11.26	1.51
752692.7	984630.8	11.048	1.258
752682.7	984630.9	11.17	1.265
752672.7	984631.1	11.016	.632
752662.7	984631.3	10.742	1.054
752652.7	984631.4	10.65	1.607
752642.7	984631.5	10.894	.788
752632.7	984631.6	10.742	.779
752622.7	984631.8	11.078	1.49
752612.7	984631.9	11.17	1.096
752602.8	984632.1	11.17	1.843
752592.8	984632.2	11.108	2.947
752582.8	984632.3	10.986	1.686
752572.8	984632.4	10.986	.554
752562.8	984632.6	11.474	.836
752552.8	984632.8	11.414	.518
752542.8	984632.9	11.292	1.082
752532.8	984633	11.474	.598
752522.8	984633.1	11.23	.788
752512.8	984633.3	11.108	.797
752502.8	984633.4	11.292	.946
752492.8	984633.6	11.292	1.37
752482.8	984633.7	11.078	1.334
752472.8	984633.8	11.322	.863
752462.8	984633.9	11.26	1.363
752452.8	984634.1	11.17	1.334
752442.8	984634.3	11.292	.953
752432.8	984634.4	11.658	1.166
752422.8	984634.5	11.536	.814
752412.8	984634.6	11.2	1.209
752402.8	984634.8	11.322	.819
752392.8	984634.9	11.138	.644
752382.8	984635.1	11.536	.819
752372.8	984635.2	10.956	.9
LINE 2000			
752818.9	984349.1	10.192	0.106

Easting	Northing	Conduct.	In-Phase
752828.9	984348.9	10.132	0.262
752838.9	984348.8	9.644	0.720
752848.9	984348.7	9.644	1.229
752858.9	984348.6	9.674	0.536
752868.9	984348.4	9.582	0.510
752878.9	984348.3	9.460	0.369
752888.9	984348.1	9.216	0.881
752898.9	984348	9.490	0.558
752908.9	984347.9	9.460	0.654
752918.9	984347.8	9.460	0.790
752928.9	984347.6	9.644	0.836
752938.9	984347.4	9.796	0.562
752948.9	984347.3	9.613	1.096
752958.9	984347.2	9.736	0.486
752968.9	984347.1	9.858	0.744
752978.9	984346.9	9.826	1.552
752988.9	984346.8	9.613	1.016
752998.9	984346.6	9.552	0.830
753008.9	984346.5	9.552	0.823
753018.9	984346.4	9.337	0.426
753028.9	984346.3	9.674	0.558
753038.9	984346.1	9.460	0.448
753048.9	984345.9	9.582	1.616
753058.9	984345.8	9.766	1.045
753068.9	984345.7	9.490	0.757
753078.9	984345.6	9.826	0.659
753088.9	984345.4	9.948	1.475
753098.9	984345.3	9.674	0.163
753108.9	984345.1	9.948	1.247
753118.9	984345	9.948	1.464
753128.9	984344.9	9.948	0.497
753138.9	984344.8	10.162	0.720
753148.9	984344.6	10.254	0.694
753158.9	984344.4	10.162	0.657
753168.9	984344.3	10.560	0.740
753178.9	984344.2	10.712	0.826
753188.9	984344.1	10.376	0.986
753198.9	984343.9	10.498	0.608
753208.9	984343.8	10.560	0.446
753218.9	984343.6	10.376	0.564
753228.9	984343.5	10.560	1.185
753238.9	984343.4	10.010	1.043
753248.9	984343.3	10.192	0.870
753258.9	984343.1	9.948	1.659
753268.9	984343	9.948	0.589
753278.9	984342.8	9.826	0.597
753288.9	984342.7	10.010	0.949
753298.9	984342.6	9.948	0.349
753308.9	984342.4	10.040	0.593
753318.9	984342.3	9.918	0.259
753328.9	984342.1	10.070	0.703

Easting	Northing	Conduct.	In-Phase
753338.9	984342	10.468	0.461
753348.8	984341.9	10.284	1.109
753358.8	984341.8	10.620	0.937
753368.8	984341.6	10.376	0.687
753378.8	984341.5	10.742	1.122
753388.8	984341.3	10.926	1.062
753398.8	984341.2	11.200	0.766
753408.8	984341.1	11.352	0.705
753418.8	984340.9	11.810	0.740
LINE 2040			
753419.4	984380.9	11.780	0.349
753409.4	984381.1	11.474	0.389
753399.4	984381.2	11.384	0.758
753389.4	984381.3	11.170	0.477
753379.4	984381.5	10.804	0.200
753369.4	984381.6	10.742	0.492
753359.4	984381.8	10.560	0.549
753349.4	984381.9	10.620	0.435
753339.4	984382	10.468	0.626
753329.4	984382.1	10.132	0.510
753319.4	984382.3	10.438	0.970
753309.4	984382.4	10.498	1.613
753299.4	984382.6	10.314	1.210
753289.4	984382.7	10.070	0.663
753279.4	984382.8	9.766	1.315
753269.4	984382.9	9.948	1.238
753259.4	984383.1	9.918	0.742
753249.4	984383.3	9.368	0.610
753239.4	984383.4	9.948	0.951
753229.4	984383.5	9.888	1.181
753219.4	984383.6	9.796	0.986
753209.4	984383.8	9.948	1.089
753199.4	984383.9	9.736	0.345
753189.4	984384.1	9.918	0.527
753179.4	984384.2	10.102	0.690
753169.4	984384.3	10.224	0.722
753159.4	984384.4	10.314	0.264
753149.4	984384.6	10.498	0.400
753139.4	984384.8	10.650	0.731
753129.4	984384.9	10.620	0.260
753119.4	984385	10.406	0.157
753109.4	984385.1	10.528	1.214
753099.4	984385.3	10.346	0.501
753089.4	984385.4	10.040	0.902
753079.4	984385.6	10.070	0.529
753069.4	984385.7	9.888	0.733
753059.4	984385.8	9.704	0.814
753049.4	984385.9	9.888	0.771
753039.4	984386.1	10.070	0.628
753029.4	984386.3	9.826	0.716
753019.4	984386.4	9.522	0.501

Easting	Northing	Conduct.	In-Phase
753009.4	984386.5	10.010	0.837
752999.4	984386.6	10.070	0.593
752989.4	984386.8	9.674	0.689
752979.4	984386.9	9.980	1.130
752969.4	984387.1	10.040	0.940
752959.4	984387.2	10.254	1.100
752949.4	984387.3	9.980	0.718
752939.4	984387.4	9.948	0.117
752929.4	984387.6	9.918	0.224
752919.4	984387.8	9.948	0.339
752909.4	984387.9	10.192	0.747
752899.4	984388	10.162	0.843
752889.4	984388.1	9.888	1.144
752879.4	984388.3	9.704	0.747
752869.4	984388.4	10.010	0.088
752859.4	984388.6	9.826	0.407
752849.4	984388.7	9.766	1.174
752839.4	984388.8	10.070	0.588
752829.4	984388.9	10.070	0.795
752819.4	984389.1	10.406	0.580
LINE 2080			
752820	984429.1	9.858	-0.178
752830	984428.9	10.102	-0.088
752840	984428.8	10.102	0.775
752850	984428.7	9.644	0.933
752860	984428.6	10.010	0.744
752870	984428.4	9.796	0.900
752880	984428.3	10.040	0.679
752890	984428.1	9.858	0.722
752900	984428	9.766	0.942
752910	984427.9	10.192	0.659
752920	984427.8	10.224	0.284
752930	984427.6	10.192	1.017
752940	984427.4	10.346	0.369
752949.9	984427.3	10.406	0.218
752959.9	984427.2	9.918	0.255
752969.9	984427.1	10.162	0.246
752979.9	984426.9	9.704	0.768
752989.9	984426.8	10.010	0.891
752999.9	984426.6	10.040	1.451
753009.9	984426.5	9.948	0.948
753019.9	984426.4	9.766	0.780
753029.9	984426.3	9.704	1.028
753039.9	984426.1	9.826	0.944
753049.9	984425.9	10.070	0.859
753059.9	984425.8	10.010	0.861
753069.9	984425.7	10.010	0.588
753079.9	984425.6	10.102	0.538
753089.9	984425.4	10.254	0.749
753099.9	984425.3	10.438	0.997
753109.9	984425.1	10.468	0.407

Easting	Northing	Conduct.	In-Phase
753119.9	984425	10.438	0.801
753129.9	984424.9	10.010	0.338
753139.9	984424.8	10.070	0.248
753149.9	984424.6	9.918	0.014
753159.9	984424.4	10.254	0.165
753169.9	984424.3	10.010	0.479
753179.9	984424.2	10.162	1.236
753189.9	984424.1	9.980	0.683
753199.9	984423.9	10.010	0.374
753209.9	984423.8	10.192	1.350
753219.9	984423.6	9.796	0.951
753229.9	984423.5	10.438	1.122
753239.9	984423.4	10.284	0.953
753249.9	984423.3	10.040	0.494
753259.9	984423.1	10.314	0.308
753269.9	984422.9	10.406	0.378
753279.9	984422.8	10.560	0.457
753289.9	984422.7	10.406	0.349
753299.9	984422.6	10.438	0.806
753309.9	984422.4	10.528	0.701
753319.9	984422.3	10.498	0.477
753329.9	984422.1	10.590	1.128
753339.9	984422	10.284	0.588
753349.9	984421.9	10.650	0.501
753359.9	984421.8	10.772	0.159
753369.9	984421.6	11.138	0.224
753379.9	984421.4	11.016	1.038
753389.9	984421.3	11.016	0.880
753399.9	984421.2	11.230	1.510
753409.9	984421.1	11.322	0.762
753419.9	984420.9	11.292	0.938
LINE 2120			
753420.4	984460.9	11.016	-0.257
753410.5	984461.1	10.956	0.395
753400.5	984461.2	10.804	0.650
753390.5	984461.3	10.650	0.569
753380.5	984461.4	10.498	0.968
753370.5	984461.6	10.468	0.330
753360.5	984461.8	10.682	0.668
753350.5	984461.9	10.894	0.624
753340.5	984462	10.528	0.655
753330.5	984462.1	10.560	1.085
753320.5	984462.3	10.894	0.709
753310.5	984462.4	10.650	0.509
753300.5	984462.6	10.620	0.788
753290.5	984462.7	10.468	0.595
753280.5	984462.8	10.560	0.384
753270.5	984462.9	10.682	0.564
753260.5	984463.1	10.376	1.673
753250.5	984463.3	10.438	0.793
753240.5	984463.4	10.192	1.300

Easting	Northing	Conduct.	In-Phase
753230.5	984463.5	10.132	1.102
753220.5	984463.6	9.858	0.762
753210.5	984463.8	9.826	1.668
753200.5	984463.9	10.438	1.176
753190.5	984464.1	10.132	0.859
753180.5	984464.2	10.162	1.453
753170.5	984464.3	9.796	0.575
753160.5	984464.4	9.400	0.430
753150.5	984464.6	9.858	0.920
753140.5	984464.8	10.254	0.683
753130.5	984464.9	9.918	1.232
753120.5	984465	9.826	1.036
753110.5	984465.1	10.284	0.363
753100.5	984465.3	10.040	0.452
753090.5	984465.4	10.162	1.249
753080.5	984465.6	10.070	0.586
753070.5	984465.7	9.766	0.373
753060.5	984465.8	9.918	0.316
753050.5	984465.9	9.736	0.104
753040.5	984466.1	9.796	0.306
753030.5	984466.3	9.826	0.540
753020.5	984466.4	10.010	0.380
753010.5	984466.5	9.826	0.981
753000.5	984466.6	10.102	0.665
752990.5	984466.8	9.918	0.268
752980.5	984466.9	10.162	0.667
752970.5	984467.1	10.224	0.722
752960.5	984467.2	10.314	0.227
752950.5	984467.3	10.224	0.826
752940.5	984467.4	10.438	0.514
752930.5	984467.6	10.468	0.571
752920.5	984467.7	10.620	1.212
752910.5	984467.9	10.406	0.771
752900.5	984468	10.346	0.226
752890.5	984468.1	10.376	0.554
752880.5	984468.3	10.314	0.553
752870.5	984468.4	10.590	1.071
752860.5	984468.6	10.376	1.137
752850.5	984468.7	10.314	0.986
752840.5	984468.8	10.650	1.049
752830.5	984468.9	10.468	1.023
752820.5	984469.1	10.040	0.446
LINE 2160			
752821.1	984509.1	10.438	-0.106
752831.1	984508.9	10.314	0.384
752841.1	984508.8	10.834	0.314
752851.1	984508.7	10.986	0.428
752861.1	984508.5	10.804	1.076
752871.1	984508.4	10.804	1.006
752881.1	984508.3	10.772	1.177
752891.1	984508.1	10.864	0.814

Easting	Northing	Conduct.	In-Phase
752901.1	984508	10.712	1.170
752911.1	984507.9	10.804	0.874
752921.1	984507.7	10.560	0.881
752931.1	984507.6	10.804	0.821
752941.1	984507.4	10.772	0.288
752951.1	984507.3	10.772	0.014
752961.1	984507.2	10.560	0.218
752971.1	984507.1	10.804	1.062
752981.1	984506.9	10.742	0.703
752991.1	984506.8	10.650	0.472
753001.1	984506.6	10.682	0.488
753011.1	984506.5	10.620	0.701
753021.1	984506.4	10.682	0.560
753031.1	984506.2	10.376	0.845
753041.1	984506.1	10.682	0.646
753051.1	984505.9	10.346	0.501
753061.1	984505.8	10.346	0.157
753071.1	984505.7	10.406	1.194
753081.1	984505.6	10.590	1.198
753091.1	984505.4	10.376	0.481
753101.1	984505.3	10.528	0.288
753111.1	984505.1	10.864	1.152
753121.1	984505	10.560	0.646
753131.1	984504.9	10.284	0.452
753141.1	984504.8	10.682	0.692
753151.1	984504.6	10.560	0.716
753161.1	984504.4	10.192	0.600
753171.1	984504.3	9.918	0.920
753181.1	984504.2	10.192	0.883
753191.1	984504.1	9.796	1.036
753201.1	984503.9	9.918	0.911
753211.1	984503.8	9.858	0.692
753221	984503.6	9.948	0.198
753231	984503.5	9.826	1.039
753241	984503.4	9.888	0.924
753251	984503.3	10.040	0.576
753261	984503.1	10.162	0.286
753271	984502.9	10.284	0.797
753281	984502.8	10.132	0.909
753291	984502.7	10.468	1.051
753301	984502.6	10.528	1.021
753311	984502.4	10.376	0.795
753321	984502.3	10.894	1.067
753331	984502.1	10.590	0.915
753341	984502	10.772	0.606
753351	984501.9	10.468	0.760
753361	984501.8	10.528	0.567
753371	984501.6	10.346	0.788
753381	984501.4	10.528	0.497
753391	984501.3	10.804	0.712
753401	984501.2	10.560	0.926

Easting	Northing	Conduct.	In-Phase
753411	984501.1	10.650	0.997
753421	984500.9	11.078	1.317
LINE 2200			
753421.6	984540.9	11.688	-0.025
753411.6	984541.1	11.566	0.560
753401.6	984541.2	11.840	1.317
753391.6	984541.3	12.024	1.128
753381.6	984541.4	11.750	0.696
753371.6	984541.6	11.292	0.187
753361.6	984541.8	11.718	1.025
753351.6	984541.9	11.444	0.720
753341.6	984542	11.170	0.635
753331.6	984542.1	11.200	0.847
753321.6	984542.3	11.170	0.951
753311.6	984542.4	10.804	1.563
753301.6	984542.6	10.650	1.354
753291.6	984542.7	10.346	0.823
753281.6	984542.8	10.620	1.065
753271.6	984542.9	10.192	1.763
753261.6	984543.1	10.314	1.232
753251.6	984543.3	10.284	0.312
753241.6	984543.4	10.346	1.321
753231.6	984543.5	10.346	1.128
753221.6	984543.6	10.254	0.689
753211.6	984543.8	10.102	0.907
753201.6	984543.9	9.796	0.200
753191.6	984544.1	10.132	0.670
753181.6	984544.2	10.162	0.870
753171.6	984544.3	10.070	0.455
753161.6	984544.4	10.560	0.633
753151.6	984544.6	10.468	0.178
753141.6	984544.8	10.468	1.447
753131.6	984544.9	10.438	0.736
753121.6	984545	10.498	0.696
753111.6	984545.1	10.468	0.683
753101.6	984545.3	10.528	0.194
753091.6	984545.4	10.560	0.128
753081.6	984545.6	10.682	0.812
753071.6	984545.7	10.468	1.085
753061.6	984545.8	10.620	1.096
753051.6	984545.9	10.590	0.964
753041.6	984546.1	10.620	0.751
753031.6	984546.2	10.804	0.113
753021.6	984546.4	10.834	0.135
753011.6	984546.5	11.108	0.350
753001.6	984546.6	11.200	0.874
752991.6	984546.8	11.688	1.144
752981.6	984546.9	11.170	0.518
752971.6	984547	11.414	0.621
752961.6	984547.2	11.260	-0.001
752951.6	984547.3	11.230	0.248
752941.6	984547.4	11.108	0.935
752931.6	984547.6	11.078	0.494
752921.6	984547.7	10.864	0.428
752911.6	984547.9	11.078	0.349
752901.6	984548	10.620	0.617
752891.6	984548.1	10.834	0.433
752881.6	984548.3	10.712	0.295
752871.6	984548.4	10.772	0.437
752861.6	984548.5	10.926	0.619
752851.6	984548.7	10.864	0.773
752841.6	984548.8	11.138	0.316
752831.6	984548.9	10.986	0.762
752821.6	984549.1	10.834	0.948
LINE 2240			
752822.1	984589.1	11.810	-0.181
752832.1	984588.9	11.322	0.170
752842.1	984588.8	11.658	0.431
752852.1	984588.7	11.688	1.113
752862.1	984588.5	11.384	0.872
752872.1	984588.4	11.780	0.549
752882.1	984588.3	11.200	0.648
752892.1	984588.1	11.078	1.267
752902.1	984588	11.170	0.663
752912.1	984587.8	11.384	0.402
752922.1	984587.7	11.444	0.951
752932.1	984587.6	10.986	1.159
752942.1	984587.4	11.474	0.650
752952.1	984587.3	11.322	0.903
752962.1	984587.2	11.352	0.814
752972.1	984587	11.322	0.902
752982.1	984586.9	11.658	0.617
752992.1	984586.8	11.444	-0.003
753002.1	984586.6	11.506	-0.042
753012.1	984586.5	11.230	0.430
753022.1	984586.4	11.384	0.648
753032.1	984586.2	11.048	0.639
753042.1	984586.1	11.108	0.757
753052.1	984585.9	10.864	0.130
753062.1	984585.8	11.048	0.338
753072.1	984585.7	10.864	0.130
753082.1	984585.5	10.864	0.143
753092.1	984585.4	10.956	0.922
753102.1	984585.3	10.590	0.698
753112.1	984585.1	10.926	0.626
753122.1	984585	10.712	1.243
753132.1	984584.9	10.682	0.192
753142.1	984584.7	10.772	0.676
753152.1	984584.6	10.620	0.900
753162.1	984584.4	10.620	1.038
753172.1	984584.3	10.682	1.028
753182.1	984584.2	10.742	1.210

Easting	Northing	Conduct.	In-Phase
753192.1	984584.1	10.650	0.499
753202.1	984583.9	10.682	0.554
753212.1	984583.8	10.314	0.088
753222.1	984583.6	10.438	0.382
753232.1	984583.5	10.406	0.323
753242.1	984583.4	10.650	1.067
753252.1	984583.3	10.254	0.751
753262.1	984583.1	10.620	0.797
753272.1	984582.9	10.376	0.872
753282.1	984582.8	10.620	1.003
753292.1	984582.7	10.590	0.687
753302.1	984582.6	10.498	0.960
753312.1	984582.4	10.742	0.617
753322.1	984582.3	10.712	0.665
753332.1	984582.1	10.986	0.777
753342.1	984582	11.444	0.571
753352.1	984581.9	11.596	1.038
753362.1	984581.8	11.658	1.372
753372.1	984581.6	11.810	0.553
753382.1	984581.4	11.962	0.799
753392.1	984581.3	12.084	0.167
753402.1	984581.2	12.268	0.328
753412.1	984581.1	12.268	0.431
753422.1	984580.9	12.146	0.859
LINE 2280			
753422.6	984620.9	11.780	0.080
753412.6	984621.1	11.658	0.264
753402.6	984621.2	11.658	0.185
753392.6	984621.3	11.718	0.613
753382.6	984621.4	11.474	0.231
753372.6	984621.6	11.200	0.525
753362.6	984621.8	11.170	0.970
753352.6	984621.9	11.322	0.314
753342.6	984622	11.230	0.573
753332.6	984622.1	10.834	0.319
753322.6	984622.3	11.016	0.385
753312.6	984622.4	10.712	0.994
753302.6	984622.6	10.682	0.869
753292.6	984622.7	11.048	1.242
753282.7	984622.8	10.956	0.889
753272.7	984622.9	11.260	0.760
753262.7	984623.1	10.986	0.112
753252.7	984623.2	11.078	0.376
753242.7	984623.4	11.138	0.440
753232.7	984623.5	10.956	0.236
753222.7	984623.6	10.894	1.343
753212.7	984623.8	10.956	1.117
753202.7	984623.9	10.956	0.444
753192.7	984624.1	10.986	0.562
753182.7	984624.2	10.712	0.211
753172.7	984624.3	10.804	0.409

Easting	Northing	Conduct.	In-Phase
753162.7	984624.4	10.864	1.593
753152.7	984624.6	11.048	1.703
753142.7	984624.7	10.804	1.436
753132.7	984624.9	10.926	1.558
753122.7	984625	10.804	0.128
753112.7	984625.1	10.956	0.075
753102.7	984625.3	10.864	0.545
753092.7	984625.4	10.772	0.782
753082.7	984625.5	10.894	0.944
753072.7	984625.7	11.016	0.641
753062.7	984625.8	11.260	1.462
753052.7	984625.9	10.864	1.311
753042.7	984626.1	10.834	0.874
753032.7	984626.2	10.986	0.582
753022.7	984626.3	11.170	0.305
753012.7	984626.5	11.444	0.617
753002.7	984626.6	11.474	1.082
752992.7	984626.8	11.444	0.191
752982.7	984626.9	11.596	0.341
752972.7	984627	11.628	0.466
752962.7	984627.2	11.444	0.806
752952.7	984627.3	11.718	1.416
752942.7	984627.4	11.566	1.295
752932.7	984627.6	11.444	0.902
752922.7	984627.7	11.078	0.727
752912.7	984627.8	11.750	1.190
752902.7	984628	11.536	0.790
752892.7	984628.1	11.596	1.679
752882.7	984628.3	11.810	1.201
752872.7	984628.4	11.688	1.655
752862.7	984628.5	11.872	1.030
752852.7	984628.6	11.658	0.338
752842.7	984628.8	11.872	0.628
752832.7	984628.9	11.506	0.850
752822.7	984629.1	11.688	1.148
LINE 2320			
752823.3	984669.1	11.260	-0.099
752833.3	984668.9	11.506	0.575
752843.3	984668.8	11.536	0.593
752853.3	984668.6	11.322	0.771
752863.3	984668.5	11.230	0.948
752873.3	984668.4	11.414	0.303
752883.3	984668.3	11.444	0.486
752893.3	984668.1	11.414	1.041
752903.3	984668	11.474	0.439
752913.3	984667.8	11.688	1.016
752923.3	984667.7	11.414	0.832
752933.3	984667.6	11.536	0.670
752943.3	984667.4	11.750	0.279
752953.3	984667.3	11.506	0.768
752963.3	984667.1	11.506	0.720

Easting	Northing	Conduct.	In-Phase
752973.3	984667	11.688	0.608
752983.3	984666.9	11.384	0.848
752993.3	984666.8	11.322	0.889
753003.3	984666.6	11.688	0.626
753013.3	984666.5	11.230	0.422
753023.3	984666.3	11.108	0.753
753033.3	984666.2	11.384	0.466
753043.3	984666.1	10.712	0.942
753053.3	984665.9	10.834	1.350
753063.3	984665.8	10.894	0.758
753073.3	984665.7	11.016	0.999
753083.3	984665.5	10.772	0.211
753093.2	984665.4	10.956	0.637
753103.2	984665.3	10.956	0.876
753113.2	984665.1	10.894	0.338
753123.2	984665	10.956	1.188
753133.2	984664.9	10.864	0.584
753143.2	984664.7	10.986	1.043
753153.2	984664.6	10.468	0.238
753163.2	984664.4	10.438	0.960
753173.2	984664.3	10.284	0.466
753183.2	984664.2	10.438	0.286
753193.2	984664	10.224	0.626
753203.2	984663.9	10.346	0.387
753213.2	984663.8	10.346	0.611
753223.2	984663.6	10.224	0.786
753233.2	984663.5	10.224	0.578
753243.2	984663.4	10.498	1.016
753253.2	984663.2	10.560	1.008
753263.2	984663.1	10.560	0.644
753273.2	984662.9	10.498	0.705
753283.2	984662.8	10.498	0.997
753293.2	984662.7	10.406	0.654
753303.2	984662.6	10.682	1.181
753313.2	984662.4	10.772	0.301
753323.2	984662.3	10.804	0.455
753333.2	984662.1	10.804	0.106
753343.2	984662	11.108	0.411
753353.2	984661.9	11.474	0.848
753363.2	984661.7	11.596	1.113
753373.2	984661.6	11.474	0.211
753383.2	984661.4	11.414	0.181
753393.2	984661.3	11.628	0.369
753403.2	984661.2	11.566	0.624
753413.2	984661.1	11.688	0.135
753423.2	984660.9	11.628	0.393
LINE 2360			
753423.8	984700.9	11.658	0.224
753413.8	984701.1	11.414	0.205
753403.8	984701.2	11.962	0.080
753393.8	984701.3	11.780	0.883

Easting	Northing	Conduct.	In-Phase
753383.8	984701.4	11.872	0.661
753373.8	984701.6	11.810	0.317
753363.8	984701.7	11.658	1.466
753353.8	984701.9	11.596	1.172
753343.8	984702	11.566	0.893
753333.8	984702.1	11.016	0.799
753323.8	984702.3	10.926	0.988
753313.8	984702.4	10.590	1.379
753303.8	984702.5	10.284	0.325
753293.8	984702.7	10.254	0.277
753283.8	984702.8	10.132	1.199
753273.8	984702.9	10.346	0.915
753263.8	984703.1	10.224	0.323
753253.8	984703.2	10.314	0.316
753243.8	984703.4	9.980	0.964
753233.8	984703.5	10.162	0.643
753223.8	984703.6	9.918	0.433
753213.8	984703.8	10.040	1.771
753203.8	984703.9	10.102	0.913
753193.8	984704	10.284	0.475
753183.8	984704.2	9.980	0.854
753173.8	984704.3	9.980	1.670
753163.8	984704.4	10.102	1.249
753153.8	984704.6	10.192	1.328
753143.8	984704.7	10.498	1.440
753133.8	984704.8	10.438	0.371
753123.8	984705	10.834	0.597
753113.8	984705.1	11.322	0.893
753103.8	984705.3	10.926	0.815
753093.8	984705.4	11.108	1.089
753083.8	984705.5	10.926	0.578
753073.8	984705.6	11.322	0.398
753063.8	984705.8	11.108	0.297
753053.8	984705.9	11.260	0.051
753043.8	984706.1	11.200	0.459
753033.8	984706.2	11.474	0.731
753023.8	984706.3	11.596	0.694
753013.8	984706.5	11.322	0.957
753003.8	984706.6	11.384	1.082
752993.8	984706.8	11.230	0.586
752983.8	984706.9	11.230	0.687
752973.8	984707	11.230	0.488
752963.8	984707.1	11.138	0.554
752953.8	984707.3	11.138	0.424
752943.8	984707.4	11.108	0.077
752933.8	984707.6	11.200	1.016
752923.8	984707.7	10.986	0.417
752913.8	984707.8	10.804	0.060
752903.8	984707.9	10.986	1.243
752893.8	984708.1	10.926	-0.154
752883.8	984708.3	10.926	0.354

Easting	Northing	Conduct.	In-Phase
752873.8	984708.4	10.804	0.417
752863.8	984708.5	10.956	0.705
752853.8	984708.6	11.048	0.349
752843.8	984708.8	11.078	0.497
752833.8	984708.9	10.956	0.916
752823.8	984709.1	11.016	0.068
LINE 2400			
752824.3	984749.1	10.804	0.174
752834.3	984748.9	10.926	0.295
752844.3	984748.8	10.926	0.389
752854.3	984748.6	10.864	1.174
752864.3	984748.5	10.834	1.058
752874.3	984748.4	10.742	0.556
752884.3	984748.3	10.926	0.310
752894.3	984748.1	10.498	0.288
752904.3	984747.9	10.742	0.407
752914.3	984747.8	10.986	1.104
752924.3	984747.7	10.712	1.451
752934.3	984747.6	10.712	1.038
752944.3	984747.4	10.620	1.030
752954.3	984747.3	10.528	0.384
752964.3	984747.1	11.016	0.532
752974.3	984747	10.926	0.516
752984.3	984746.9	10.834	0.694
752994.3	984746.8	11.016	0.757
753004.3	984746.6	11.200	1.049
753014.3	984746.4	11.260	1.098
753024.3	984746.3	11.170	0.628
753034.3	984746.2	11.230	0.938
753044.3	984746.1	11.322	0.997
753054.3	984745.9	11.170	0.751
753064.3	984745.8	11.078	0.913
753074.3	984745.6	10.834	0.435
753084.3	984745.5	10.956	0.648
753094.3	984745.4	11.138	1.833
753104.3	984745.3	11.414	0.940
753114.3	984745.1	11.536	0.374
753124.3	984745	11.414	1.394
753134.3	984744.8	11.628	0.779
753144.3	984744.7	11.048	1.144
753154.3	984744.6	10.926	1.027
753164.3	984744.4	10.864	1.131
753174.3	984744.3	10.742	0.672
753184.3	984744.2	10.986	0.497
753194.3	984744	11.048	0.308
753204.3	984743.9	10.834	0.769
753214.3	984743.8	10.894	1.109
753224.3	984743.6	11.078	0.999
753234.3	984743.5	10.650	0.604
753244.3	984743.3	10.590	0.887
753254.3	984743.2	10.528	0.865
753264.3	984743.1	10.650	0.238
753274.3	984742.9	10.498	0.534
753284.3	984742.8	10.650	0.775
753294.3	984742.7	11.048	0.477
753304.3	984742.5	11.506	1.567
753314.3	984742.4	11.230	1.258
753324.3	984742.3	11.414	0.867
753334.3	984742.1	11.658	1.576
753344.3	984742	11.902	0.422
753354.3	984741.9	11.932	0.418
753364.3	984741.7	12.116	0.132
753374.3	984741.6	12.330	0.398
753384.3	984741.4	11.994	1.302
753394.3	984741.3	12.084	0.567
753404.3	984741.2	12.330	0.148
753414.3	984741	12.116	0.918
753424.3	984740.9	12.420	1.161
LINE 2440			
753424.8	984780.9	11.414	-0.134
753414.8	984781	11.444	0.150
753404.8	984781.2	11.536	0.676
753394.8	984781.3	11.994	0.293
753384.8	984781.4	11.932	0.459
753374.8	984781.6	11.902	0.573
753364.8	984781.7	12.146	0.824
753354.8	984781.8	12.420	0.154
753344.8	984782	12.786	0.935
753334.8	984782.1	12.634	0.349
753324.8	984782.3	13.092	0.795
753314.8	984782.4	13.000	0.286
753304.8	984782.5	13.276	1.372
753294.8	984782.7	13.092	0.492
753284.8	984782.8	13.520	0.554
753274.8	984782.9	13.732	0.823
753264.8	984783.1	13.276	0.529
753254.8	984783.2	13.336	0.036
753244.8	984783.3	12.908	0.332
753234.8	984783.5	12.848	0.786
753224.8	984783.6	12.542	0.648
753214.8	984783.8	12.482	1.262
753204.8	984783.9	12.818	1.653
753194.8	984784	12.542	0.554
753184.8	984784.1	12.452	1.528
753174.8	984784.3	12.116	-0.143
753164.8	984784.4	12.512	0.119
753154.9	984784.6	12.512	0.915
753144.9	984784.7	12.268	0.889
753134.9	984784.8	12.208	0.406
753124.9	984784.9	12.208	0.931
753114.9	984785.1	12.298	0.927
753104.9	984785.3	11.810	0.358

Easting	Northing	Conduct.	In-Phase
753094.9	984785.4	11.780	0.780
753084.9	984785.5	11.322	0.440
753074.9	984785.6	11.108	0.597
753064.9	984785.8	10.986	0.396
753054.9	984785.9	10.956	0.479
753044.9	984786.1	10.894	0.170
753034.9	984786.2	11.016	0.104
753024.9	984786.3	11.078	0.437
753014.9	984786.4	11.138	0.330
753004.9	984786.6	11.138	-0.033
752994.9	984786.8	11.048	0.519
752984.9	984786.9	11.506	0.062
752974.9	984787	11.138	0.584
752964.9	984787.1	11.260	0.723
752954.9	984787.3	11.078	0.290
752944.9	984787.4	11.260	0.191
752934.9	984787.6	10.926	0.286
752924.9	984787.7	11.078	0.499
752914.9	984787.8	10.712	0.521
752904.9	984787.9	10.894	-0.016
752894.9	984788.1	11.078	0.365
752884.9	984788.3	11.230	0.332
752874.9	984788.4	11.384	0.527
752864.9	984788.5	11.292	0.518
752854.9	984788.6	11.292	1.282
752844.9	984788.8	11.260	0.817
752834.9	984788.9	11.078	0.689
752824.9	984789.1	10.834	0.161

Easting	Northing	Conduct.	In-Phase

Easting	Northing	Station	Conduct.	In-Phase
LINE 1000: SEAD-64				
740020.9	994043.4	10000	10.44	-0.55
740023.1	994033.6	9990	11.35	-0.52
740025.4	994023.9	9980	10.96	-0.47
740027.6	994014.1	9970	11.29	-0.28
740029.9	994004.4	9960	11.08	-0.25
740032.1	993994.7	9950	11.17	-0.49
740034.4	993984.9	9940	11.54	-0.46
740036.6	993975.2	9930	11.93	-0.16
740038.9	993965.4	9920	11.75	-0.50
740041.1	993955.7	9910	11.69	-0.34
740043.4	993945.9	9900	11.93	-0.45
740045.6	993936.2	9890	11.66	-0.41
740047.9	993926.4	9880	11.72	-0.47
740050.1	993916.7	9870	12.02	-0.47
740052.4	993907	9860	11.60	-0.33
740054.6	993897.3	9850	11.93	-0.45
740056.9	993887.5	9840	11.63	-0.33
740059.1	993877.8	9830	11.51	-0.40
740061.4	993868	9820	11.41	-0.01
740063.6	993858.3	9810	11.29	-0.40
740065.9	993848.5	9800	11.08	0.00
740068.1	993838.8	9790	11.14	-0.54
740070.4	993829	9780	11.14	-0.54
740072.6	993819.3	9770	11.05	-0.41
740074.9	993809.6	9760	10.96	-0.48
740077.1	993799.8	9750	10.83	-0.51
740079.4	993790.1	9740	10.71	-0.46
740081.6	993780.3	9730	10.65	-0.60
740083.9	993770.6	9720	10.31	-0.47
740086.1	993760.8	9710	10.68	0.00
740088.4	993751.1	9700	10.16	-0.03
740090.6	993741.3	9690	10.35	-0.44
740092.9	993731.6	9680	10.50	-0.59
740095.1	993721.8	9670	10.56	-0.58
740097.4	993712.1	9660	9.70	-0.51
740099.6	993702.4	9650	10.07	-0.53
740101.9	993692.6	9640	10.50	-0.30
740104.1	993682.9	9630	10.44	-0.54
740106.4	993673.1	9620	10.80	-0.47
740108.6	993663.4	9610	10.56	-0.09
740110.9	993653.6	9600	10.47	-0.01
740113.1	993643.9	9590	10.62	-0.57
740115.4	993634.1	9580	10.96	-0.58
740117.6	993624.4	9570	10.44	-0.53
740119.9	993614.7	9560	10.71	-0.19
740122.1	993604.9	9550	10.53	-0.26
740124.4	993595.2	9540	10.68	-0.18
740126.6	993585.4	9530	10.77	-0.45
740128.9	993575.7	9520	10.59	-0.55
740131.1	993565.9	9510	11.02	-0.56
740133.4	993556.2	9500	10.96	-0.46
740135.6	993546.4	9490	11.08	-0.49
740137.9	993536.7	9480	10.96	-0.06
740140.1	993526.9	9470	10.47	-0.12
740142.4	993517.3	9460	11.54	-0.29
740144.6	993507.5	9450	11.60	-0.20
740146.9	993497.8	9440	10.68	-0.50
740149.1	993488	9430	9.49	-0.35
740151.4	993478.3	9420	12.91	-0.55
740153.6	993468.5	9410	12.12	-0.46
740155.9	993458.8	9400	10.71	-0.45
740158.1	993449	9390	12.63	-0.13
740160.4	993439.3	9380	11.57	-0.35
740162.6	993429.5	9370	12.02	-0.02
740164.9	993419.8	9360	12.08	-0.59
740167.1	993410.1	9350	11.84	-0.59
740169.4	993400.3	9340	11.99	-0.45
740171.6	993390.6	9330	12.05	-0.02
740173.9	993380.8	9320	11.69	-0.59
740176.1	993371.1	9310	12.21	0.00
740178.4	993361.3	9300	11.57	-0.56
740180.6	993351.6	9290	11.11	-0.57
740182.9	993341.8	9280	11.32	0.00
740185.1	993332.1	9270	11.23	-0.06
740187.4	993322.4	9260	11.11	-0.04
740189.6	993312.6	9250	11.20	-0.08
740191.9	993302.9	9240	11.35	-0.57
740194.1	993293.1	9230	11.20	-0.37
740196.4	993283.4	9220	10.28	-0.47
740198.6	993273.6	9210	11.02	-0.28
740200.9	993263.9	9200	11.14	-0.49
740203.1	993254.1	9190	11.08	-0.56
740205.4	993244.4	9180	11.26	-0.52
740207.6	993234.6	9170	10.83	-0.54
740209.9	993224.9	9160	11.78	-0.40
740212.1	993215.2	9150	10.28	-0.43
740214.4	993205.4	9140	11.47	-0.22
740216.6	993195.7	9130	11.90	-0.57
740218.9	993185.9	9120	11.72	-0.51
740221.1	993176.2	9110	11.87	-0.54
740223.4	993166.4	9100	11.54	-0.52
740225.6	993156.7	9090	11.93	-0.57
740227.8	993146.9	9080	11.47	-0.16
740230.1	993137.2	9070	11.75	-0.13
740232.3	993127.5	9060	11.41	-0.53
740234.6	993117.8	9050	11.23	-0.07
740236.8	993108	9040	11.32	-0.54
740239.1	993098.3	9030	11.11	-0.57
740241.3	993088.5	9020	11.41	-0.11
740243.6	993078.8	9010	11.29	-0.50
740245.8	993069	9000	11.08	-0.55

Easting	Northing	Station	Conduct.	In-Phase
740248.1	993059.3	8990	10.89	-0.55
740250.3	993049.5	8980	10.89	-0.46
740252.6	993039.8	8970	11.14	-0.49
740254.8	993030.1	8960	10.83	-0.33
740257.1	993020.3	8950	10.59	-0.50
740259.3	993010.6	8940	10.53	-0.53
740261.6	993000.8	8930	10.65	-0.55
740263.8	992991.1	8920	10.44	-0.57
740266.1	992981.3	8910	10.53	-0.52
740268.3	992971.6	8900	10.59	-0.53
740270.6	992961.8	8890	10.80	-0.54
740272.8	992952.1	8880	11.05	-0.52
740275.1	992942.3	8870	11.44	-0.45
740277.3	992932.6	8860	11.26	-0.39
740279.6	992922.9	8850	10.89	-0.54
740281.8	992913.1	8840	10.86	0.00
740284.1	992903.4	8830	10.80	-0.42
740286.3	992893.6	8820	10.41	-0.42
740288.6	992883.9	8810	10.41	-0.53
740290.8	992874.1	8800	10.59	-0.52
740293.1	992864.4	8790	10.10	-0.46
740295.3	992854.6	8780	10.53	-0.52
740297.6	992844.9	8770	10.56	-0.47
740299.8	992835.2	8760	10.50	-0.49
740302.1	992825.4	8750	11.05	-0.47
740304.3	992815.7	8740	10.93	-0.52
740306.6	992805.9	8730	11.08	-0.36
740308.8	992796.2	8720	10.68	-0.22
740311.1	992786.4	8710	10.74	-0.15
740313.3	992776.7	8700	10.47	-0.19
740315.6	992766.9	8690	10.35	-0.46
740317.8	992757.2	8680	10.31	-0.36
740320.1	992747.4	8670	10.10	-0.39
740322.3	992737.8	8660	9.55	-0.43
740324.6	992728	8650	10.25	-0.47
740326.8	992718.3	8640	10.10	-0.49
740329.1	992708.5	8630	11.20	-0.15
740331.3	992698.8	8620	10.74	-0.44
740333.6	992689	8610	9.22	-0.40
740335.8	992679.3	8600	10.44	-0.30
740338.1	992669.5	8590	10.93	-0.46
740340.3	992659.8	8580	11.14	-0.47
740342.6	992650.1	8570	10.35	-0.16
740344.8	992640.3	8560	10.38	-0.41
740347.1	992630.6	8550	10.31	-0.01
740349.3	992620.8	8540	10.53	0.00
740351.6	992611.1	8530	10.44	0.00
740353.8	992601.3	8520	10.59	-0.54
LINE 1020				
740373.3	992605.8	8520	10.99	-0.30
740371.1	992615.6	8530	10.71	-0.25
740368.8	992625.3	8540	10.77	-0.34
740366.6	992635.1	8550	10.99	-0.46
740364.3	992644.8	8560	10.59	-0.36
740362.1	992654.5	8570	10.25	-0.45
740359.8	992664.3	8580	11.38	-0.38
740357.6	992674	8590	11.93	-0.41
740355.3	992683.8	8600	10.44	-0.39
740353.1	992693.5	8610	9.55	-0.15
740350.8	992703.3	8620	11.32	-0.48
740348.6	992713	8630	10.22	-0.38
740346.3	992722.8	8640	10.65	-0.42
740344.1	992732.5	8650	10.07	-0.35
740341.8	992742.3	8660	10.31	-0.29
740339.6	992751.9	8670	9.95	-0.18
740337.3	992761.7	8680	10.35	-0.41
740335.1	992771.4	8690	10.38	-0.29
740332.8	992781.2	8700	10.47	-0.36
740330.6	992790.9	8710	11.02	-0.34
740328.3	992800.7	8720	10.41	-0.37
740326.1	992810.4	8730	10.80	-0.26
740323.8	992820.2	8740	10.93	-0.36
740321.6	992829.9	8750	10.50	-0.30
740319.3	992839.7	8760	10.77	-0.15
740317.1	992849.4	8770	10.65	-0.25
740314.8	992859.1	8780	10.31	-0.15
740312.6	992868.9	8790	10.31	-0.31
740310.3	992878.6	8800	10.04	-0.23
740308.1	992888.4	8810	9.89	-0.27
740305.8	992898.1	8820	10.38	-0.31
740303.6	992907.9	8830	9.98	-0.24
740301.3	992917.6	8840	10.19	-0.30
740299.1	992927.4	8850	10.10	-0.34
740296.8	992937.1	8860	10.59	-0.14
740294.6	992946.8	8870	10.16	-0.20
740292.3	992956.6	8880	10.41	-0.30
740290.1	992966.3	8890	10.38	-0.15
740287.8	992976.1	8900	10.13	-0.29
740285.6	992985.8	8910	10.41	-0.25
740283.3	992995.6	8920	10.53	-0.10
740281.1	993005.3	8930	10.35	-0.23
740278.8	993015.1	8940	10.35	-0.41
740276.6	993024.8	8950	10.01	-0.25
740274.3	993034.6	8960	11.29	-0.29
740272.1	993044.3	8970	10.99	-0.33
740269.8	993054	8980	10.93	-0.36
740267.6	993063.8	8990	10.96	-0.30
740265.3	993073.5	9000	11.47	-0.34
740263.1	993083.3	9010	11.17	-0.35
740260.8	993093	9020	11.47	-0.37
740258.6	993102.8	9030	11.41	-0.39
740256.3	993112.5	9040	11.78	-0.32

Easting	Northing	Station	Conduct.	In-Phase
740254.1	993122.3	9050	12.18	-0.35
740251.8	993132	9060	11.66	-0.41
740249.6	993141.7	9070	12.02	-0.25
740247.3	993151.4	9080	11.99	-0.41
740245.1	993161.2	9090	11.96	-0.11
740242.8	993170.9	9100	11.93	-0.34
740240.6	993180.7	9110	11.87	-0.20
740238.3	993190.4	9120	12.12	-0.23
740236.1	993200.2	9130	12.15	-0.29
740233.8	993209.9	9140	11.47	-0.23
740231.6	993219.7	9150	11.96	-0.32
740229.3	993229.4	9160	9.74	-0.28
740227.1	993239.1	9170	11.66	-0.40
740224.8	993248.9	9180	11.51	-0.36
740222.6	993258.6	9190	10.93	-0.29
740220.3	993268.4	9200	10.44	-0.22
740218.1	993278.1	9210	10.44	-0.49
740215.8	993287.9	9220	11.14	-0.24
740213.6	993297.6	9230	11.02	-0.19
740211.3	993307.4	9240	10.80	-0.28
740209.1	993317.1	9250	11.02	-0.27
740206.8	993326.9	9260	11.60	-0.33
740204.6	993336.6	9270	11.44	-0.28
740202.3	993346.3	9280	11.51	-0.41
740200.1	993356.1	9290	11.72	-0.34
740197.8	993365.8	9300	11.87	-0.34
740195.6	993375.6	9310	12.18	-0.39
740193.3	993385.3	9320	12.18	-0.46
740191.1	993395.1	9330	12.21	-0.40
740188.8	993404.8	9340	12.51	-0.34
740186.6	993414.6	9350	12.73	-0.30
740184.4	993424.3	9360	12.82	-0.40
740182.1	993434	9370	13.03	-0.41
740179.9	993443.8	9380	12.02	-0.20
740177.6	993453.5	9390	12.21	-0.30
740175.4	993463.3	9400	12.51	-0.39
740173.1	993473	9410	12.57	-0.32
740170.9	993482.8	9420	12.48	-0.29
740168.6	993492.5	9430	11.99	-0.31
740166.4	993502.3	9440	12.70	-0.36
740164.1	993512	9450	11.99	-0.28
740161.9	993521.8	9460	11.32	-0.42
740159.6	993531.4	9470	11.66	-0.28
740157.4	993541.2	9480	11.32	-0.22
740155.1	993550.9	9490	11.69	-0.24
740152.9	993560.7	9500	11.17	-0.31
740150.6	993570.4	9510	10.80	-0.31
740148.4	993580.2	9520	10.68	-0.28
740146.1	993589.9	9530	10.65	-0.27
740143.9	993599.7	9540	10.96	-0.31
740141.6	993609.4	9550	10.93	-0.32

Easting	Northing	Station	Conduct.	In-Phase
740139.4	993619.2	9560	10.62	-0.25
740137.1	993628.9	9570	10.53	-0.37
740134.9	993638.6	9580	10.56	-0.29
740132.6	993648.4	9590	10.62	-0.32
740130.4	993658.1	9600	10.10	-0.27
740128.1	993667.9	9610	10.47	-0.33
740125.9	993677.6	9620	10.96	-0.28
740123.6	993687.4	9630	10.83	-0.26
740121.4	993697.1	9640	10.65	-0.31
740119.1	993706.9	9650	10.93	-0.31
740116.9	993716.6	9660	11.17	-0.31
740114.6	993726.3	9670	10.74	-0.38
740112.4	993736.1	9680	11.23	-0.35
740110.1	993745.8	9690	10.83	-0.30
740107.9	993755.6	9700	11.38	-0.39
740105.6	993765.3	9710	11.75	-0.32
740103.4	993775.1	9720	11.38	-0.36
740101.1	993784.8	9730	11.54	-0.26
740098.9	993794.6	9740	11.14	-0.17
740096.6	993804.3	9750	11.14	-0.21
740094.4	993814	9760	11.02	-0.19
740092.1	993823.8	9770	11.02	-0.38
740089.9	993833.5	9780	10.96	-0.27
740087.6	993843.3	9790	10.96	-0.22
740085.4	993853	9800	11.38	-0.32
740083.1	993862.8	9810	11.41	-0.19
740080.9	993872.5	9820	11.11	-0.26
740078.6	993882.3	9830	11.93	-0.22
740076.4	993892	9840	11.75	-0.22
740074.1	993901.8	9850	12.08	-0.18
740071.9	993911.4	9860	11.90	-0.22
740069.6	993921.2	9870	12.12	-0.38
740067.4	993930.9	9880	12.33	-0.14
740065.1	993940.7	9890	12.33	-0.11
740062.9	993950.4	9900	12.18	-0.18
740060.6	993960.2	9910	12.57	-0.24
740058.4	993969.9	9920	12.36	-0.17
740056.1	993979.7	9930	12.39	-0.25
740053.9	993989.4	9940	11.96	-0.29
740051.6	993999.2	9950	11.23	-0.22
740049.4	994008.9	9960	11.23	-0.14
740047.1	994018.6	9970	11.11	-0.18
740044.9	994028.4	9980	11.08	-0.11
740042.6	994038.1	9990	10.93	-0.18
740040.4	994047.9	10000	11.05	-0.21
LINE 1040				
740059.9	994052.4	10000	10.01	-0.48
740062.1	994042.6	9990	9.86	-0.36
740064.4	994032.9	9980	10.13	-0.32
740066.6	994023.1	9970	10.31	-0.32
740068.9	994013.4	9960	10.07	-0.37

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740071.1	994003.7	9950	10.96	-0.35	740185.8	993506.8	9440	11.20	-0.41
740073.4	993993.9	9940	11.02	-0.30	740188.1	993497	9430	10.86	-0.47
740075.6	993984.2	9930	11.51	-0.17	740190.3	993487.3	9420	11.05	-0.31
740077.9	993974.4	9920	11.38	-0.41	740192.6	993477.5	9410	10.99	-0.47
740080.1	993964.7	9910	11.02	-0.25	740194.8	993467.8	9400	10.56	-0.35
740082.4	993954.9	9900	11.02	-0.20	740197.1	993458	9390	11.38	-0.49
740084.6	993945.2	9890	11.14	-0.39	740199.3	993448.3	9380	11.41	-0.44
740086.9	993935.4	9880	11.29	-0.43	740201.6	993438.5	9370	12.82	-0.51
740089.1	993925.7	9870	10.80	-0.33	740203.8	993428.8	9360	16.85	-0.40
740091.4	993915.9	9860	11.02	-0.29	740206.1	993419.1	9350	19.32	-0.55
740093.6	993906.3	9850	11.05	-0.43	740208.3	993409.3	9340	21.03	-0.16
740095.9	993896.5	9840	11.29	-0.32	740210.6	993399.6	9330	15.62	-0.56
740098.1	993886.8	9830	9.98	-0.39	740212.8	993389.8	9320	11.66	-0.23
740100.4	993877	9820	10.59	-0.40	740215.1	993380.1	9310	11.54	-0.28
740102.6	993867.3	9810	10.31	-0.42	740217.3	993370.3	9300	10.56	-0.41
740104.9	993857.5	9800	10.50	-0.49	740219.6	993360.6	9290	10.13	-0.25
740107.1	993847.8	9790	11.14	-0.48	740221.8	993350.8	9280	9.95	-0.26
740109.4	993838	9780	11.26	-0.47	740224.1	993341.1	9270	10.13	-0.39
740111.6	993828.3	9770	11.05	-0.39	740226.3	993331.4	9260	9.89	-0.57
740113.9	993818.5	9760	11.08	-0.38	740228.6	993321.6	9250	9.89	-0.40
740116.1	993808.8	9750	11.63	-0.43	740230.8	993311.9	9240	10.07	-0.37
740118.4	993799.1	9740	11.51	-0.42	740233.1	993302.1	9230	9.92	-0.42
740120.6	993789.3	9730	11.69	-0.56	740235.3	993292.4	9220	9.98	-0.34
740122.9	993779.6	9720	11.38	-0.40	740237.6	993282.6	9210	9.70	-0.27
740125.1	993769.8	9710	10.99	-0.45	740239.8	993272.9	9200	9.64	-0.32
740127.4	993760.1	9700	10.56	-0.48	740242.1	993263.1	9190	9.83	-0.40
740129.6	993750.3	9690	10.65	-0.26	740244.3	993253.4	9180	10.04	-0.35
740131.9	993740.6	9680	10.47	-0.50	740246.6	993243.6	9170	10.59	-0.33
740134.1	993730.8	9670	10.22	-0.31	740248.8	993233.9	9160	10.47	-0.43
740136.4	993721.1	9660	10.16	-0.47	740251.1	993224.2	9150	10.68	-0.35
740138.6	993711.4	9650	10.19	-0.41	740253.3	993214.4	9140	10.96	-0.36
740140.9	993701.6	9640	10.16	-0.46	740255.6	993204.7	9130	10.89	-0.38
740143.1	993691.9	9630	10.25	-0.47	740257.8	993194.9	9120	11.17	-0.48
740145.4	993682.1	9620	10.80	-0.44	740260.1	993185.2	9110	10.86	-0.46
740147.6	993672.4	9610	10.13	-0.47	740262.3	993175.4	9100	11.05	-0.41
740149.8	993662.6	9600	10.01	-0.46	740264.6	993165.7	9090	11.02	-0.47
740152.1	993652.9	9590	10.38	-0.45	740266.8	993155.9	9080	11.08	-0.34
740154.3	993643.1	9580	9.80	-0.38	740269.1	993146.2	9070	10.99	-0.19
740156.6	993633.4	9570	9.49	-0.21	740271.3	993136.5	9060	10.86	-0.52
740158.8	993623.6	9560	9.40	-0.44	740273.6	993126.8	9050	10.77	-0.42
740161.1	993613.9	9550	8.91	-0.22	740275.8	993117	9040	10.47	-0.39
740163.3	993604.2	9540	9.89	-0.31	740278.1	993107.3	9030	10.62	-0.43
740165.6	993594.4	9530	9.31	-0.27	740280.3	993097.5	9020	10.28	-0.29
740167.8	993584.7	9520	10.65	-0.36	740282.6	993087.8	9010	10.16	-0.36
740170.1	993574.9	9510	10.74	-0.50	740284.8	993078	9000	9.83	-0.39
740172.3	993565.2	9500	10.19	-0.43	740287.1	993068.3	8990	9.92	-0.26
740174.6	993555.4	9490	10.47	-0.28	740289.3	993058.5	8980	9.77	-0.25
740176.8	993545.7	9480	10.65	-0.42	740291.6	993048.8	8970	9.83	-0.39
740179.1	993535.9	9470	11.05	-0.39	740293.8	993039.1	8960	9.70	-0.38
740181.3	993526.3	9460	10.65	-0.46	740296.1	993029.3	8950	9.55	-0.37
740183.6	993516.5	9450	10.83	-0.36	740298.3	993019.6	8940	10.41	-0.36

Easting	Northing	Station	Conduct.	In-Phase
740300.6	993009.8	8930	9.31	-0.36
740302.8	993000.1	8920	9.09	-0.41
740305.1	992990.3	8910	9.06	-0.45
740307.3	992980.6	8900	9.00	-0.49
740309.6	992970.8	8890	9.12	-0.39
740311.8	992961.1	8880	8.97	-0.31
740314.1	992951.3	8870	9.00	-0.32
740316.3	992941.6	8860	9.06	-0.33
740318.6	992931.9	8850	8.97	-0.36
740320.8	992922.1	8840	9.00	-0.41
740323.1	992912.4	8830	9.28	-0.35
740325.3	992902.6	8820	9.09	-0.21
740327.6	992892.9	8810	9.43	-0.36
740329.8	992883.1	8800	9.55	-0.39
740332.1	992873.4	8790	9.70	-0.02
740334.3	992863.6	8780	9.92	-0.43
740336.6	992853.9	8770	9.70	-0.34
740338.8	992844.2	8760	9.92	-0.48
740341.1	992834.4	8750	10.19	-0.44
740343.3	992824.7	8740	9.52	-0.38
740345.6	992814.9	8730	10.04	-0.47
740347.8	992805.2	8720	9.92	-0.49
740350.1	992795.4	8710	9.83	-0.43
740352.3	992785.7	8700	10.22	-0.45
740354.6	992775.9	8690	10.22	-0.23
740356.8	992766.2	8680	9.22	-0.37
740359.1	992756.4	8670	9.00	-0.35
740361.3	992746.8	8660	10.50	-0.29
740363.6	992737	8650	9.03	-0.38
740365.8	992727.3	8640	9.46	-0.45
740368.1	992717.5	8630	9.52	-0.29
740370.3	992707.8	8620	9.80	-0.54
740372.6	992698	8610	9.52	-0.52
740374.8	992688.3	8600	8.79	-0.19
740377.1	992678.5	8590	10.80	-0.29
740379.3	992668.8	8580	10.38	-0.53
740381.6	992659	8570	10.31	-0.49
740383.8	992649.3	8560	9.95	-0.58
740386.1	992639.6	8550	10.47	-0.55
740388.3	992629.8	8540	10.04	-0.47
740390.6	992620.1	8530	10.10	-0.43
740392.8	992610.3	8520	10.53	-0.42
LINE 1060				
740412.3	992614.8	8520	10.93	-0.01
740410	992624.6	8530	10.62	-0.12
740407.8	992634.3	8540	10.86	-0.69
740405.5	992644.1	8550	10.50	-0.38
740403.3	992653.8	8560	10.65	-0.29
740401	992663.5	8570	10.83	-0.37
740398.8	992673.3	8580	11.38	-0.14
740396.6	992683	8590	10.31	-0.08

Easting	Northing	Station	Conduct.	In-Phase
740394.3	992692.8	8600	9.03	-0.72
740392.1	992702.5	8610	10.19	-0.29
740389.8	992712.3	8620	10.47	-0.46
740387.6	992722	8630	10.41	-0.35
740385.3	992731.8	8640	10.07	-0.33
740383.1	992741.5	8650	10.22	-0.23
740380.8	992751.3	8660	10.16	-0.40
740378.6	992760.9	8670	10.10	-0.10
740376.3	992770.7	8680	11.38	-0.60
740374.1	992780.4	8690	10.35	-0.22
740371.8	992790.2	8700	10.31	-0.36
740369.6	992799.9	8710	10.47	-0.26
740367.3	992809.7	8720	10.50	-0.06
740365.1	992819.4	8730	11.02	-0.16
740362.8	992829.2	8740	10.93	-0.37
740360.6	992838.9	8750	10.35	-0.28
740358.3	992848.7	8760	10.71	-0.30
740356.1	992858.4	8770	10.68	-0.43
740353.8	992868.1	8780	10.65	-0.09
740351.6	992877.9	8790	10.44	-0.28
740349.3	992887.6	8800	9.80	-0.36
740347.1	992897.4	8810	10.83	-0.16
740344.8	992907.1	8820	10.35	-0.36
740342.6	992916.9	8830	10.31	-0.28
740340.3	992926.6	8840	9.95	-0.30
740338.1	992936.4	8850	9.70	-0.35
740335.8	992946.1	8860	9.70	-0.27
740333.6	992955.8	8870	9.12	-0.28
740331.3	992965.6	8880	9.64	-0.20
740329.1	992975.3	8890	9.52	-0.12
740326.8	992985.1	8900	9.49	-0.24
740324.6	992994.8	8910	9.58	-0.22
740322.3	993004.6	8920	9.83	-0.19
740320.1	993014.3	8930	9.70	-0.19
740317.8	993024.1	8940	9.64	-0.20
740315.6	993033.8	8950	9.89	-0.21
740313.3	993043.6	8960	9.80	-0.26
740311.1	993053.3	8970	9.52	-0.25
740308.8	993063	8980	9.95	-0.12
740306.6	993072.8	8990	10.35	-0.16
740304.3	993082.5	9000	10.10	-0.25
740302.1	993092.3	9010	10.01	-0.23
740299.8	993102	9020	10.10	-0.09
740297.6	993111.8	9030	10.31	-0.28
740295.3	993121.5	9040	10.50	-0.20
740293.1	993131.3	9050	10.53	-0.23
740290.8	993141	9060	10.59	-0.28
740288.6	993150.7	9070	10.99	-0.17
740286.3	993160.4	9080	10.89	-0.21
740284.1	993170.2	9090	10.93	-0.17
740281.8	993179.9	9100	11.20	-0.23

Easting	Northing	Station	Conduct.	In-Phase
740279.6	993189.7	9110	11.20	-0.09
740277.3	993199.4	9120	11.23	-0.17
740275.1	993209.2	9130	11.29	-0.28
740272.8	993218.9	9140	10.56	-0.19
740270.6	993228.7	9150	11.20	-0.24
740268.3	993238.4	9160	10.71	-0.21
740266.1	993248.1	9170	10.56	-0.18
740263.8	993257.9	9180	10.38	-0.34
740261.6	993267.6	9190	9.98	-0.10
740259.3	993277.4	9200	10.16	-0.74
740257.1	993287.1	9210	10.16	-0.17
740254.8	993296.9	9220	10.50	-0.59
740252.6	993306.6	9230	8.51	-0.60
740250.3	993316.4	9240	10.01	-0.09
740248.1	993326.1	9250	10.19	-0.08
740245.8	993335.9	9260	9.37	-0.22
740243.6	993345.6	9270	9.98	-0.04
740241.3	993355.3	9280	10.38	-0.23
740239.1	993365.1	9290	10.19	-0.23
740236.8	993374.8	9300	9.92	-0.17
740234.6	993384.6	9310	10.53	-0.10
740232.3	993394.3	9320	12.39	-0.09
740230.1	993404.1	9330	12.76	-0.03
740227.8	993413.8	9340	16.20	-0.37
740225.6	993423.6	9350	21.67	-0.47
740223.3	993433.3	9360	17.43	-0.34
740221.1	993443	9370	18.92	-0.30
740218.8	993452.8	9380	15.81	-0.33
740216.6	993462.5	9390	12.60	-0.27
740214.3	993472.3	9400	11.60	-0.21
740212.1	993482	9410	11.75	-0.27
740209.8	993491.8	9420	11.35	-0.14
740207.6	993501.5	9430	11.14	-0.23
740205.3	993511.3	9440	10.83	-0.10
740203.1	993521	9450	12.82	-0.26
740200.8	993530.7	9460	11.66	-0.22
740198.6	993540.4	9470	11.17	-0.17
740196.3	993550.2	9480	11.60	-0.15
740194.1	993559.9	9490	11.44	-0.20
740191.8	993569.7	9500	11.23	-0.15
740189.6	993579.4	9510	11.26	-0.13
740187.3	993589.2	9520	11.38	-0.22
740185.1	993598.9	9530	11.29	-0.13
740182.8	993608.7	9540	11.57	-0.27
740180.6	993618.4	9550	11.08	-0.32
740178.3	993628.1	9560	11.23	-0.22
740176.1	993637.9	9570	11.32	-0.27
740173.8	993647.6	9580	11.63	-0.21
740171.6	993657.4	9590	11.69	-0.27
740169.3	993667.1	9600	11.29	0.00
740167.1	993676.9	9610	11.17	-0.72
740164.8	993686.6	9620	12.02	-0.22
740162.6	993696.4	9630	13.06	-0.35
740160.3	993706.1	9640	12.66	-0.32
740158.1	993715.9	9650	13.82	-0.47
740155.8	993725.6	9660	8.76	-0.60
740153.6	993735.3	9670	15.26	-0.14
740151.3	993745.1	9680	9.03	-0.55
740149.1	993754.8	9690	9.98	-0.49
740146.8	993764.6	9700	6.38	-0.52
740144.6	993774.3	9710	10.41	-0.72
740142.3	993784.1	9720	10.56	-0.69
740140.1	993793.8	9730	11.32	-0.30
740137.8	993803.6	9740	18.07	-0.19
740135.6	993813.3	9750	15.35	-0.33
740133.3	993823	9760	12.63	-0.33
740131.1	993832.8	9770	12.60	-0.17
740128.8	993842.5	9780	11.87	-0.01
740126.6	993852.3	9790	11.81	-0.15
740124.3	993862	9800	12.15	0.00
740122.1	993871.8	9810	10.83	-0.50
740119.8	993881.5	9820	9.70	-0.62
740117.6	993891.3	9830	8.45	-0.03
740115.3	993901	9840	11.20	-0.13
740113.1	993910.8	9850	10.83	-0.73
740110.8	993920.4	9860	11.08	-0.05
740108.6	993930.2	9870	11.20	-0.67
740106.4	993939.9	9880	10.89	-0.05
740104.1	993949.7	9890	11.23	-0.72
740101.9	993959.4	9900	11.26	-0.67
740099.6	993969.2	9910	11.26	-0.62
740097.4	993978.9	9920	11.72	-0.01
740095.1	993988.7	9930	11.99	-0.72
740092.9	993998.4	9940	12.08	-0.60
740090.6	994008.2	9950	11.87	-0.22
740088.4	994017.9	9960	11.66	-0.16
740086.1	994027.6	9970	11.29	-0.01
740083.9	994037.4	9980	11.44	-0.71
740081.6	994047.1	9990	10.99	0.00
740079.4	994056.9	10000	10.53	-0.12
LINE 1080				
740099.4	994058.8	10000	10.96	-0.07
740101.7	994049	9990	10.89	-0.02
740103.9	994039.3	9980	11.35	-0.13
740106.2	994029.5	9970	12.02	-0.13
740108.4	994019.8	9960	11.84	-0.06
740110.7	994010	9950	12.08	-0.70
740112.9	994000.3	9940	12.12	-0.10
740115.2	993990.6	9930	12.05	-0.72
740117.4	993980.8	9920	11.99	-0.58
740119.7	993971.1	9910	12.57	-0.06
740121.9	993961.3	9900	10.80	-0.25

Easting	Northing	Station	Conduct.	In-Phase
740124.2	993951.6	9890	8.45	-0.42
740126.4	993941.8	9880	12.45	-0.13
740128.7	993932.1	9870	11.32	-0.20
740130.9	993922.3	9860	11.41	-0.06
740133.2	993912.6	9850	11.08	-0.70
740135.4	993902.9	9840	11.32	-0.07
740137.7	993893.1	9830	11.29	-0.07
740139.9	993883.4	9820	11.66	0.00
740142.2	993873.6	9810	11.29	-0.74
740144.4	993863.9	9800	10.86	-0.60
740146.7	993854.1	9790	11.38	-0.10
740148.9	993844.4	9780	11.47	-0.13
740151.2	993834.6	9770	11.75	-0.10
740153.4	993824.9	9760	11.72	-0.11
740155.7	993815.1	9750	11.78	0.00
740157.9	993805.4	9740	11.84	-0.12
740160.2	993795.7	9730	12.05	-0.15
740162.4	993785.9	9720	12.05	-0.13
740164.7	993776.2	9710	11.96	-0.28
740166.9	993766.4	9700	11.41	-0.27
740169.2	993756.7	9690	11.32	-0.23
740171.4	993746.9	9680	11.23	-0.21
740173.7	993737.2	9670	11.93	-0.10
740175.9	993727.4	9660	10.10	-0.26
740178.2	993717.7	9650	12.33	-0.26
740180.4	993708	9640	11.57	-0.20
740182.7	993698.3	9630	11.75	-0.25
740184.9	993688.5	9620	11.63	-0.12
740187.2	993678.8	9610	10.86	-0.15
740189.4	993669	9600	11.66	-0.72
740191.7	993659.3	9590	11.41	-0.20
740193.9	993649.5	9580	11.17	-0.73
740196.2	993639.8	9570	12.30	-0.37
740198.4	993630	9560	12.36	-0.28
740200.7	993620.3	9550	12.12	-0.36
740202.9	993610.6	9540	12.76	-0.32
740205.2	993600.8	9530	12.18	-0.30
740207.4	993591.1	9520	11.29	-0.31
740209.7	993581.3	9510	11.96	-0.16
740211.9	993571.6	9500	11.32	-0.13
740214.2	993561.8	9490	11.41	-0.17
740216.4	993552.1	9480	11.41	-0.14
740218.7	993542.3	9470	11.51	-0.19
740220.9	993532.6	9460	12.45	-0.19
740223.2	993522.8	9450	13.12	-0.20
740225.4	993513.1	9440	11.96	-0.25
740227.7	993503.4	9430	12.05	-0.21
740229.9	993493.6	9420	11.72	-0.24
740232.2	993483.9	9410	12.02	-0.20
740234.4	993474.1	9400	10.99	-0.23
740236.7	993464.4	9390	11.17	-0.17

Easting	Northing	Station	Conduct.	In-Phase
740238.9	993454.6	9380	11.17	-0.19
740241.2	993444.9	9370	11.69	-0.16
740243.4	993435.1	9360	11.72	-0.14
740245.7	993425.4	9350	12.15	-0.18
740247.9	993415.7	9340	11.38	-0.25
740250.2	993405.9	9330	10.99	-0.17
740252.4	993396.2	9320	11.17	-0.27
740254.7	993386.4	9310	11.20	-0.27
740256.9	993376.7	9300	10.22	-0.73
740259.2	993366.9	9290	9.83	-0.24
740261.4	993357.2	9280	9.98	-0.11
740263.7	993347.4	9270	9.64	-0.19
740265.9	993337.7	9260	10.07	-0.06
740268.2	993327.9	9250	9.92	-0.21
740270.4	993318.3	9240	10.35	-0.15
740272.7	993308.5	9230	9.95	-0.05
740274.9	993298.8	9220	10.65	-0.16
740277.2	993289	9210	9.52	-0.07
740279.4	993279.3	9200	8.51	-0.04
740281.6	993269.5	9190	11.08	-0.28
740283.9	993259.8	9180	10.22	-0.21
740286.1	993250	9170	10.16	-0.32
740288.4	993240.3	9160	10.19	-0.16
740290.6	993230.6	9150	10.41	-0.27
740292.9	993220.8	9140	10.62	-0.20
740295.1	993211.1	9130	10.65	-0.24
740297.4	993201.3	9120	10.89	-0.20
740299.6	993191.6	9110	11.32	-0.16
740301.9	993181.8	9100	10.83	-0.18
740304.1	993172.1	9090	10.80	-0.18
740306.4	993162.3	9080	11.02	-0.12
740308.6	993152.6	9070	10.68	-0.08
740310.9	993142.8	9060	10.83	-0.29
740313.1	993133.1	9050	10.93	-0.23
740315.4	993123.4	9040	10.68	-0.13
740317.6	993113.6	9030	11.05	-0.22
740319.9	993103.9	9020	10.[illegible]	-0.25
740322.1	993094.1	9010	10.[illegible]	-0.16
740324.4	993084.4	9000	10.16	-0.32
740326.6	993074.6	8990	10.16	-0.15
740328.9	993064.9	8980	10.13	-0.24
740331.1	993055.1	8970	10.50	-0.23
740333.4	993045.4	8960	10.13	-0.20
740335.6	993035.7	8950	10.44	-0.25
740337.9	993025.9	8940	10.35	-0.18
740340.1	993016.2	8930	10.22	-0.26
740342.4	993006.4	8920	10.16	-0.14
740344.6	992996.7	8910	10.31	-0.25
740346.9	992986.9	8900	10.01	-0.20
740349.1	992977.2	8890	10.16	-0.06
740351.4	992967.4	8880	10.19	-0.24

Easting	Northing	Station	Conduct.	In-Phase
740353.6	992957.7	8870	10.80	-0.22
740355.9	992947.9	8860	9.46	-0.11
740358.1	992938.3	8850	10.62	-0.17
740360.4	992928.5	8840	10.74	-0.17
740362.6	992918.8	8830	11.35	-0.25
740364.9	992909	8820	10.59	-0.24
740367.1	992899.3	8810	10.99	-0.74
740369.4	992889.5	8800	10.83	-0.01
740371.6	992879.8	8790	10.86	-0.74
740373.9	992870	8780	11.38	-0.13
740376.1	992860.3	8770	10.89	-0.10
740378.4	992850.5	8760	11.60	-0.09
740380.6	992840.8	8750	10.86	-0.09
740382.9	992831.1	8740	10.96	-0.15
740385.1	992821.3	8730	11.41	-0.10
740387.4	992811.6	8720	10.93	-0.11
740389.6	992801.8	8710	11.14	-0.16
740391.9	992792.1	8700	10.89	-0.19
740394.1	992782.3	8690	10.22	-0.16
740396.4	992772.6	8680	11.78	-0.18
740398.6	992762.8	8670	11.66	-0.26
740400.9	992753.1	8660	10.47	-0.37
740403.1	992743.4	8650	10.56	-0.19
740405.4	992733.6	8640	10.96	-0.23
740407.6	992723.9	8630	10.56	-0.27
740409.9	992714.1	8620	10.71	-0.19
740412.1	992704.4	8610	11.05	-0.21
740414.4	992694.6	8600	10.47	-0.24
740416.6	992684.9	8590	10.16	-0.16
740418.9	992675.1	8580	11.32	-0.21
740421.1	992665.4	8570	11.26	-0.23
740423.4	992655.6	8560	10.83	-0.25
740425.6	992645.9	8550	11.20	-0.22
740427.9	992636.2	8540	11.29	-0.19
740430.1	992626.4	8530	11.17	-0.30
740432.4	992616.7	8520	11.23	-0.23
LINE 1100				
740472.6	992620.3	8520	11.05	-0.48
740470.3	992630.1	8530	10.68	-0.51
740468.1	992639.8	8540	10.65	-0.59
740465.8	992649.6	8550	10.96	-0.61
740463.6	992659.3	8560	10.44	-0.53
740461.3	992669.1	8570	10.71	-0.62
740459.1	992678.8	8580	11.23	-0.44
740456.8	992688.5	8590	10.65	-0.46
740454.6	992698.3	8600	9.98	-0.52
740452.3	992708	8610	11.44	-0.53
740450.1	992717.8	8620	10.80	-0.60
740447.8	992727.5	8630	10.56	-0.52
740445.6	992737.3	8640	10.71	-0.50
740443.3	992747	8650	10.83	-0.43

Easting	Northing	Station	Conduct.	In-Phase
740441.1	992756.8	8660	10.77	-0.60
740438.8	992766.5	8670	10.99	-0.48
740436.6	992776.2	8680	10.86	-0.40
740434.3	992785.9	8690	10.86	-0.37
740432.1	992795.7	8700	10.83	-0.43
740429.9	992805.4	8710	10.71	-0.46
740427.6	992815.2	8720	10.13	-0.48
740425.4	992824.9	8730	10.38	-0.63
740423.1	992834.7	8740	10.65	-0.53
740420.9	992844.4	8750	10.86	-0.58
740418.6	992854.2	8760	10.16	-0.62
740416.4	992863.9	8770	11.23	-0.49
740414.1	992873.6	8780	10.99	-0.57
740411.9	992883.4	8790	11.05	-0.60
740409.6	992893.1	8800	11.08	-0.58
740407.4	992902.9	8810	11.17	-0.65
740405.1	992912.6	8820	11.44	-0.53
740402.9	992922.4	8830	11.29	-0.58
740400.6	992932.1	8840	11.14	-0.48
740398.4	992941.9	8850	11.35	-0.54
740396.1	992951.6	8860	10.99	-0.50
740393.9	992961.4	8870	11.17	-0.51
740391.6	992971.1	8880	11.08	-0.51
740389.4	992980.8	8890	11.02	-0.45
740387.1	992990.6	8900	11.02	-0.57
740384.9	993000.3	8910	11.38	-0.53
740382.6	993010.1	8920	10.93	-0.74
740380.4	993019.8	8930	11.26	-0.68
740378.1	993029.6	8940	10.86	-0.60
740375.9	993039.3	8950	11.26	-0.63
740373.6	993049.1	8960	11.08	-0.60
740371.4	993058.8	8970	11.41	-0.68
740369.1	993068.5	8980	10.53	-0.71
740366.9	993078.3	8990	11.14	-0.49
740364.6	993088	9000	11.57	-0.63
740362.4	993097.8	9010	11.02	-0.74
740360.1	993107.5	9020	10.71	-0.63
740357.9	993117.3	9030	11.02	-0.62
740355.6	993127	9040	10.44	-0.66
740353.4	993136.8	9050	10.89	-0.63
740351.1	993146.5	9060	10.62	-0.63
740348.9	993156.3	9070	10.62	-0.63
740346.6	993165.9	9080	10.62	-0.53
740344.4	993175.7	9090	11.02	-0.57
740342.1	993185.4	9100	9.92	-0.59
740339.9	993195.2	9110	10.13	-0.66
740337.6	993204.9	9120	10.19	-0.56
740335.4	993214.7	9130	10.38	-0.56
740333.1	993224.4	9140	10.65	-0.63
740330.9	993234.2	9150	10.10	-0.58
740328.6	993243.9	9160	10.53	-0.48

Easting	Northing	Station	Conduct.	In-Phase
740326.4	993253.7	9170	10.65	-0.48
740324.1	993263.4	9180	9.95	-0.53
740321.9	993273.1	9190	9.98	-0.61
740319.6	993282.9	9200	10.41	-0.58
740317.4	993292.6	9210	10.04	-0.53
740315.1	993302.4	9220	10.10	-0.60
740312.9	993312.1	9230	10.04	-0.51
740310.6	993321.9	9240	10.28	-0.42
740308.4	993331.6	9250	10.62	-0.57
740306.1	993341.4	9260	10.01	-0.57
740303.9	993351.1	9270	10.41	-0.30
740301.6	993360.8	9280	9.64	-0.53
740299.4	993370.6	9290	9.61	-0.42
740297.1	993380.3	9300	10.13	-0.52
740294.9	993390.1	9310	10.59	-0.70
740292.6	993399.8	9320	10.62	-0.43
740290.4	993409.6	9330	9.86	-0.59
740288.1	993419.3	9340	11.08	-0.64
740285.9	993429.1	9350	12.02	-0.20
740283.6	993438.8	9360	11.99	-0.55
740281.4	993448.6	9370	12.05	-0.01
740279.1	993458.3	9380	11.44	-0.58
740276.9	993468	9390	11.32	-0.69
740274.6	993477.8	9400	12.42	-0.53
740272.4	993487.5	9410	12.24	-0.65
740270.1	993497.3	9420	11.38	-0.62
740267.9	993507	9430	11.08	-0.41
740265.6	993516.8	9440	11.08	-0.50
740263.4	993526.5	9450	11.57	-0.35
740261.1	993536.3	9460	11.38	-0.45
740258.9	993546	9470	11.54	-0.46
740256.6	993555.7	9480	11.47	-0.53
740254.4	993565.4	9490	9.28	-0.35
740252.1	993575.2	9500	13.46	-0.56
740249.9	993584.9	9510	11.99	-0.59
740247.6	993594.7	9520	11.02	-0.44
740245.4	993604.4	9530	10.96	-0.49
740243.1	993614.2	9540	10.86	-0.52
740240.9	993623.9	9550	10.89	-0.38
740238.6	993633.7	9560	11.51	-0.54
740236.4	993643.4	9570	11.44	-0.62
740234.1	993653.1	9580	11.96	-0.67
740231.9	993662.9	9590	11.69	-0.55
740229.6	993672.6	9600	11.54	-0.46
740227.4	993682.4	9610	11.44	-0.51
740225.1	993692.1	9620	11.69	-0.36
740222.9	993701.9	9630	11.57	-0.45
740220.6	993711.6	9640	11.44	-0.51
740218.4	993721.4	9650	11.35	-0.68
740216.1	993731.1	9660	11.38	-0.45
740213.9	993740.8	9670	12.12	-0.62

Easting	Northing	Station	Conduct.	In-Phase
740211.6	993750.6	9680	12.18	-0.56
740209.4	993760.3	9690	11.93	-0.56
740207.1	993770.1	9700	11.87	-0.36
740204.9	993779.8	9710	12.70	-0.43
740202.6	993789.6	9720	19.38	-0.60
740200.4	993799.3	9730	27.92	-0.05
740198.1	993809.1	9740	28.78	-0.61
740195.9	993818.8	9750	34.00	-0.65
740193.6	993828.6	9760	42.79	-0.57
740191.4	993838.3	9770	50.63	-0.49
740189.1	993848	9780	58.32	-0.32
740186.9	993857.8	9790	13.58	-0.32
740184.6	993867.5	9800	26.34	-0.18
740182.4	993877.3	9810	50.60	-0.48
740180.1	993887	9820	29.85	-0.74
740177.9	993896.8	9830	14.83	-0.69
740175.6	993906.5	9840	11.81	-0.57
740173.4	993916.3	9850	14.89	-0.66
740171.1	993926	9860	9.12	-0.40
740168.9	993935.7	9870	14.53	-0.62
740166.6	993945.4	9880	11.66	-0.64
740164.4	993955.2	9890	11.29	-0.63
740162.1	993964.9	9900	11.72	-0.67
740159.9	993974.7	9910	12.27	-0.45
740157.6	993984.4	9920	12.33	-0.52
740155.4	993994.2	9930	13.00	-0.48
740153.1	994003.9	9940	11.84	-0.63
740150.9	994013.7	9950	11.72	-0.61
740148.6	994023.4	9960	12.51	-0.66
740146.4	994033.1	9970	15.78	-0.60
740144.1	994042.9	9980	12.48	-0.41
740141.9	994052.6	9990	11.63	-0.69
740139.7	994062.4	10000	11.81	-0.56
LINE 1120				
740119.6	994060.5	10000	12.70	-0.46
740121.8	994050.8	9990	4.24	0.00
740124.1	994041	9980	5.55	0.04
740126.3	994031.3	9970	11.72	0.11
740128.6	994021.6	9960	11.78	-0.65
740130.8	994011.8	9950	11.87	-0.63
740133.1	994002.1	9940	12.12	-0.43
740135.3	993992.3	9930	11.90	-0.30
740137.6	993982.6	9920	13.24	-0.35
740139.8	993972.8	9910	9.28	-0.36
740142.1	993963.1	9900	12.18	-0.51
740144.3	993953.3	9890	11.44	-0.29
740146.6	993943.6	9880	11.47	-0.41
740148.8	993933.9	9870	11.72	-0.44
740151.1	993924.1	9860	11.63	-0.43
740153.3	993914.4	9850	11.54	-0.41
740155.6	993904.6	9840	12.42	-0.23

Easting	Northing	Station	Conduct.	In-Phase
740157.8	993894.9	9830	13.58	-0.35
740160.1	993885.1	9820	15.50	-0.61
740162.3	993875.4	9810	20.36	-0.64
740164.6	993865.6	9800	22.89	-0.71
740166.8	993855.9	9790	27.40	-0.72
740169.1	993846.1	9780	23.13	-0.33
740171.3	993836.4	9770	20.60	-0.30
740173.6	993826.7	9760	27.31	-0.31
740175.8	993816.9	9750	36.83	-0.49
740178.1	993807.2	9740	45.99	-0.45
740180.3	993797.4	9730	40.04	-0.63
740182.6	993787.7	9720	21.03	-0.58
740184.8	993777.9	9710	12.94	-0.63
740187.1	993768.2	9700	11.32	-0.47
740189.3	993758.4	9690	11.51	-0.57
740191.6	993748.7	9680	11.29	-0.44
740193.8	993739	9670	11.26	-0.54
740196.1	993729.3	9660	11.72	-0.44
740198.3	993719.5	9650	11.84	-0.65
740200.6	993709.8	9640	11.20	-0.49
740202.8	993700	9630	11.90	-0.56
740205.1	993690.3	9620	11.87	-0.42
740207.3	993680.5	9610	11.72	-0.46
740209.6	993670.8	9600	11.78	-0.13
740211.8	993661	9590	12.30	-0.53
740214.1	993651.3	9580	12.21	-0.48
740216.3	993641.6	9570	11.90	-0.53
740218.6	993631.8	9560	11.69	-0.50
740220.8	993622.1	9550	11.66	-0.34
740223.1	993612.3	9540	11.17	-0.42
740225.3	993602.6	9530	11.35	-0.58
740227.6	993592.8	9520	11.29	-0.59
740229.8	993583.1	9510	11.32	-0.59
740232.1	993573.3	9500	11.17	-0.58
740234.3	993563.6	9490	11.23	-0.62
740236.6	993553.9	9480	11.08	-0.67
740238.8	993544.1	9470	12.27	-0.61
740241.1	993534.4	9460	13.70	-0.65
740243.3	993524.6	9450	12.79	-0.58
740245.6	993514.9	9440	11.11	-0.59
740247.8	993505.1	9430	11.14	-0.61
740250.1	993495.4	9420	12.88	-0.66
740252.3	993485.6	9410	15.59	-0.71
740254.6	993475.9	9400	15.29	-0.48
740256.8	993466.1	9390	13.34	-0.62
740259.1	993456.4	9380	11.72	-0.68
740261.3	993446.7	9370	11.57	-0.60
740263.5	993436.9	9360	13.67	-0.62
740265.8	993427.2	9350	17.00	-0.02
740268	993417.4	9340	16.36	-0.64
740270.3	993407.7	9330	11.29	-0.72

Easting	Northing	Station	Conduct.	In-Phase
740272.5	993397.9	9320	10.68	-0.02
740274.8	993388.2	9310	10.04	-0.67
740277	993378.4	9300	10.04	-0.58
740279.3	993368.7	9290	9.49	-0.61
740281.5	993359	9280	9.80	-0.56
740283.8	993349.3	9270	10.07	-0.66
740286	993339.5	9260	9.98	-0.66
740288.3	993329.8	9250	9.86	-0.69
740290.5	993320	9240	10.25	-0.33
740292.8	993310.3	9230	10.53	-0.61
740295	993300.5	9220	10.13	-0.49
740297.3	993290.8	9210	9.64	-0.46
740299.5	993281	9200	9.80	-0.52
740301.8	993271.3	9190	10.01	-0.49
740304	993261.6	9180	10.13	-0.57
740306.3	993251.8	9170	9.83	-0.64
740308.5	993242.1	9160	10.25	-0.67
740310.8	993232.3	9150	10.01	-0.60
740313	993222.6	9140	10.47	-0.41
740315.3	993212.8	9130	10.41	-0.05
740317.5	993203.1	9120	10.74	-0.71
740319.8	993193.3	9110	10.50	-0.64
740322	993183.6	9100	10.59	-0.61
740324.3	993173.8	9090	9.83	-0.67
740326.5	993164.1	9080	11.08	-0.02
740328.8	993154.4	9070	10.35	-0.72
740331	993144.6	9060	10.65	-0.70
740333.3	993134.9	9050	10.56	-0.02
740335.5	993125.1	9040	10.65	-0.03
740337.8	993115.4	9030	10.41	-0.73
740340	993105.6	9020	10.25	-0.59
740342.3	993095.9	9010	10.50	-0.02
740344.5	993086.1	9000	10.41	-0.70
740346.8	993076.4	8990	10.59	-0.58
740349	993066.7	8980	10.86	-0.49
740351.3	993056.9	8970	10.74	-0.61
740353.5	993047.2	8960	10[illegible]	-0.02
740355.8	993037.4	8950	10.[illegible]	-0.66
740358	993027.7	8940	11.26	-0.63
740360.3	993017.9	8930	10.53	-0.53
740362.5	993008.2	8920	10.07	-0.54
740364.8	992998.4	8910	11.84	-0.56
740367	992988.7	8900	10.35	-0.56
740369.3	992978.9	8890	9.77	-0.58
740371.5	992969.3	8880	10.71	-0.49
740373.8	992959.5	8870	10.13	-0.59
740376	992949.8	8860	10.96	-0.45
740378.3	992940	8850	10.83	-0.54
740380.5	992930.3	8840	11.69	-0.67
740382.8	992920.5	8830	11.90	-0.40
740385	992910.8	8820	10.99	-0.54

Easting	Northing	Station	Conduct.	In-Phase
740387.3	992901	8810	11.17	-0.56
740389.5	992891.3	8800	10.77	-0.57
740391.8	992881.5	8790	11.51	0.03
740394	992871.8	8780	11.35	-0.47
740396.3	992862.1	8770	11.54	-0.60
740398.5	992852.3	8760	11.20	-0.58
740400.8	992842.6	8750	10.56	-0.03
740403	992832.8	8740	11.35	-0.54
740405.3	992823.1	8730	11.32	-0.51
740407.5	992813.3	8720	10.86	-0.74
740409.8	992803.6	8710	11.23	-0.60
740412	992793.8	8700	10.53	-0.54
740414.3	992784.1	8690	10.80	-0.58
740416.5	992774.4	8680	11.93	-0.18
740418.8	992764.6	8670	10.68	-0.61
740421	992754.9	8660	10.89	-0.22
740423.3	992745.1	8650	11.02	-0.66
740425.5	992735.4	8640	10.99	-0.58
740427.8	992725.6	8630	11.17	-0.48
740430	992715.9	8620	11.02	-0.54
740432.3	992706.1	8610	11.08	-0.73
740434.5	992696.4	8600	11.08	1.31
740434.5	992696.4	8600	11.08	1.31
LINE 1140				
740159.8	994064.3	10000	12.02	-0.51
740162	994054.5	9990	11.54	-0.53
740164.3	994044.8	9980	12.21	-0.42
740166.5	994035	9970	12.33	-0.24
740168.8	994025.3	9960	11.75	-0.20
740171	994015.6	9950	12.36	-0.64
740173.3	994005.8	9940	12.51	-0.45
740175.5	993996.1	9930	12.94	-0.47
740177.8	993986.3	9920	12.42	-0.30
740180	993976.6	9910	12.24	-0.46
740182.3	993966.8	9900	12.12	-0.42
740184.5	993957.1	9890	11.41	-0.01
740186.8	993947.3	9880	12.15	-0.49
740189	993937.6	9870	12.60	-0.48
740191.3	993927.8	9860	13.55	-0.47
740193.5	993918.1	9850	12.73	-0.49
740195.8	993908.4	9840	10.22	-0.45
740198	993898.6	9830	20.23	-0.74
740200.3	993888.9	9820	17.55	-0.09
740202.5	993879.1	9810	19.13	-0.57
740204.8	993869.4	9800	20.72	-0.03
740207	993859.6	9790	22.83	-0.69
740209.3	993849.9	9780	50.66	-0.48
740211.5	993840.1	9770	57.25	-0.31
740213.8	993830.4	9760	17.46	-0.03
740216	993820.7	9750	18.86	-0.65
740218.3	993810.9	9740	43.88	-0.12

Easting	Northing	Station	Conduct.	In-Phase
740220.5	993801.2	9730	27.53	-0.06
740222.8	993791.4	9720	16.48	-0.74
740225	993781.7	9710	12.08	-0.43
740227.3	993771.9	9700	12.15	-0.17
740229.5	993762.2	9690	11.51	-0.53
740231.8	993752.4	9680	11.96	-0.47
740234	993742.7	9670	11.44	-0.50
740236.3	993732.9	9660	11.75	-0.58
740238.5	993723.3	9650	11.35	-0.55
740240.8	993713.5	9640	11.47	-0.58
740243	993703.8	9630	11.26	-0.40
740245.3	993694	9620	11.05	-0.45
740247.5	993684.3	9610	11.23	-0.19
740249.8	993674.5	9600	11.29	-0.55
740252	993664.8	9590	11.08	-0.70
740254.3	993655	9580	9.70	-0.56
740256.5	993645.3	9570	10.44	-0.43
740258.8	993635.5	9560	10.80	-0.73
740261	993625.8	9550	10.65	-0.58
740263.3	993616.1	9540	10.44	-0.47
740265.5	993606.3	9530	10.89	-0.55
740267.8	993596.6	9520	10.89	-0.45
740270	993586.8	9510	11.05	-0.45
740272.3	993577.1	9500	10.93	-0.64
740274.5	993567.3	9490	10.86	-0.38
740276.8	993557.6	9480	10.68	-0.48
740279	993547.8	9470	11.05	-0.46
740281.3	993538.1	9460	10.93	-0.63
740283.5	993528.4	9450	11.11	-0.49
740285.8	993518.6	9440	10.83	-0.49
740288	993508.9	9430	10.71	-0.59
740290.3	993499.1	9420	10.71	-0.41
740292.5	993489.4	9410	10.68	-0.58
740294.8	993479.6	9400	10.74	-0.64
740297	993469.9	9390	10.99	-0.56
740299.3	993460.1	9380	10.68	-0.48
740301.5	993450.4	9370	10.83	-0.69
740303.8	993440.7	9360	11.05	-0.62
740306	993430.9	9350	10.80	-0.61
740308.3	993421.2	9340	10.50	-0.46
740310.5	993411.4	9330	10.25	-0.43
740312.7	993401.7	9320	10.07	-0.58
740314.9	993391.9	9310	10.68	-0.59
740317.2	993382.2	9300	10.22	-0.73
740319.4	993372.4	9290	10.41	-0.63
740321.7	993362.7	9280	10.31	-0.46
740323.9	993352.9	9270	10.71	-0.15
740326.2	993343.3	9260	10.56	-0.02
740328.4	993333.5	9250	10.31	-0.51
740330.7	993323.8	9240	9.98	-0.49
740332.9	993314	9230	10.41	-0.56

Easting	Northing	Station	Conduct.	In-Phase
740335.2	993304.3	9220	10.07	-0.57
740337.4	993294.5	9210	10.28	-0.58
740339.7	993284.8	9200	9.83	-0.31
740341.9	993275	9190	10.35	-0.58
740344.2	993265.3	9180	10.13	-0.66
740346.4	993255.5	9170	10.22	-0.41
740348.7	993245.8	9160	10.35	-0.38
740350.9	993236.1	9150	9.80	-0.10
740353.2	993226.3	9140	10.04	-0.73
740355.4	993216.6	9130	10.07	-0.64
740357.7	993206.8	9120	10.22	-0.67
740359.9	993197.1	9110	10.07	-0.59
740362.2	993187.3	9100	10.13	-0.63
740364.4	993177.6	9090	10.01	-0.61
740366.7	993167.8	9080	10.13	-0.61
740368.9	993158.1	9070	10.47	-0.45
740371.2	993148.4	9060	10.86	-0.63
740373.4	993138.6	9050	11.17	-0.43
740375.7	993128.9	9040	10.50	-0.30
740377.9	993119.1	9030	10.74	-0.48
740380.2	993109.4	9020	11.26	-0.46
740382.4	993099.6	9010	11.47	-0.59
740384.7	993089.9	9000	11.29	-0.10
740386.9	993080.1	8990	11.41	-0.57
740389.2	993070.4	8980	11.32	-0.64
740391.4	993060.6	8970	11.29	-0.12
740393.7	993050.9	8960	11.32	-0.74
740395.9	993041.2	8950	11.17	-0.67
740398.2	993031.4	8940	11.11	-0.62
740400.4	993021.7	8930	11.11	-0.58
740402.7	993011.9	8920	10.83	-0.06
740404.9	993002.2	8910	11.20	-0.53
740407.2	992992.4	8900	11.02	-0.65
740409.4	992982.7	8890	11.05	-0.61
740411.7	992972.9	8880	11.05	-0.42
740413.9	992963.2	8870	10.50	-0.57
740416.2	992953.5	8860	10.86	-0.52
740418.4	992943.8	8850	11.02	-0.61
740420.7	992934	8840	11.17	-0.52
740422.9	992924.3	8830	11.23	-0.51
740425.2	992914.5	8820	11.11	-0.51
740427.4	992904.8	8810	11.02	0.00
740429.7	992895	8800	11.14	0.17
740431.9	992885.3	8790	10.89	-0.70
740434.2	992875.5	8780	10.68	-0.47
740436.4	992865.8	8770	10.74	-0.57
740438.7	992856.1	8760	10.86	-0.35
740440.9	992846.3	8750	10.31	-0.40
740443.2	992836.6	8740	10.35	-0.57
740445.4	992826.8	8730	10.25	-0.56
740447.7	992817.1	8720	10.01	-0.54

Easting	Northing	Station	Conduct.	In-Phase
740449.9	992807.3	8710	9.61	-0.47
740452.2	992797.6	8700	10.31	-0.44
740454.4	992787.8	8690	10.86	-0.54
740456.7	992778.1	8680	10.68	-0.61
740458.9	992768.3	8670	10.56	-0.23
740461.2	992758.6	8660	10.38	-0.44
740463.4	992748.9	8650	10.07	-0.42
740465.7	992739.1	8640	10.35	-0.38
740467.9	992729.4	8630	10.31	-0.53
740470.2	992719.6	8620	10.31	-0.40
740472.4	992709.9	8610	10.59	-0.49
740474.7	992700.1	8600	10.71	-0.56
740474.7	992700.1	8600	10.71	-0.56
LINE 1140				
740512.8	992623.9	8520	10.10	-0.04
740510.6	992633.7	8530	9.98	0.04
740508.3	992643.4	8540	10.38	-0.13
740506.1	992653.2	8550	10.01	0.03
740503.8	992662.9	8560	9.70	-0.57
740501.6	992672.7	8570	10.38	-0.64
740499.3	992682.4	8580	10.07	-0.06
740497.1	992692.2	8590	9.61	0.01
740494.8	992701.9	8600	11.02	0.04
740492.6	992711.6	8610	10.80	-0.63
740490.3	992721.4	8620	10.41	-0.52
740488.1	992731.1	8630	10.10	-0.04
740485.8	992740.9	8640	9.89	-0.01
740483.6	992750.6	8650	10.13	-0.16
740481.3	992760.4	8660	10.01	-0.26
740479.1	992770.1	8670	10.22	-0.14
740476.8	992779.9	8680	10.56	0.00
740474.6	992789.6	8690	10.59	-0.08
740472.3	992799.3	8700	10.28	-0.06
740470.1	992809.1	8710	10.28	-0.34
740467.8	992818.8	8720	9.83	-0.09
740465.6	992828.6	8730	10.19	-0.20
740463.3	992838.3	8740	11.26	-0.11
740461.1	992848.1	8750	10.38	-0.07
740458.8	992857.8	8760	9.19	-0.13
740456.6	992867.6	8770	10.62	-0.04
740454.3	992877.3	8780	10.71	-0.58
740452.1	992887.1	8790	10.56	-0.06
740449.8	992896.8	8800	10.56	-0.06
740447.6	992906.5	8810	11.05	-0.03
740445.3	992916.3	8820	10.80	-0.64
740443.1	992926	8830	10.62	-0.14
740440.8	992935.8	8840	10.65	0.01
740438.6	992945.5	8850	10.59	-0.07
740436.3	992955.3	8860	10.68	-0.20
740434.1	992965	8870	10.74	-0.06
740431.8	992974.8	8880	10.47	-0.15

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740429.6	992984.5	8890	10.74	-0.39	740314.8	993481.4	9400	11.72	-0.59
740427.3	992994.2	8900	10.96	-0.22	740312.6	993491.1	9410	12.12	0.04
740425.1	993003.9	8910	10.77	-0.02	740310.3	993500.9	9420	12.18	-0.65
740422.8	993013.7	8920	10.96	-0.19	740308.1	993510.6	9430	11.93	0.01
740420.6	993023.4	8930	11.41	-0.19	740305.8	993520.4	9440	11.75	-0.10
740418.3	993033.2	8940	10.89	-0.36	740303.6	993530.1	9450	12.12	-0.06
740416.1	993042.9	8950	11.26	-0.19	740301.3	993539.9	9460	11.26	-0.06
740413.8	993052.7	8960	11.23	-0.08	740299.1	993549.6	9470	11.90	-0.69
740411.6	993062.4	8970	11.11	-0.14	740296.8	993559.4	9480	11.69	-0.64
740409.3	993072.2	8980	11.26	-0.10	740294.6	993569.1	9490	11.41	-0.65
740407.1	993081.9	8990	11.47	-0.23	740292.4	993578.8	9500	11.51	-0.59
740404.8	993091.6	9000	11.38	-0.10	740290.1	993588.6	9510	11.23	-0.02
740402.6	993101.4	9010	11.08	-0.28	740287.9	993598.3	9520	11.20	-0.69
740400.3	993111.1	9020	11.44	-0.25	740285.6	993608.1	9530	10.93	0.01
740398.1	993120.9	9030	11.29	-0.22	740283.4	993617.8	9540	11.05	-0.61
740395.8	993130.6	9040	11.26	-0.22	740281.1	993627.6	9550	10.89	-0.08
740393.6	993140.4	9050	10.59	-0.24	740278.9	993637.3	9560	10.93	-0.63
740391.3	993150.1	9060	10.77	-0.26	740276.6	993647.1	9570	10.77	-0.08
740389.1	993159.9	9070	10.41	-0.23	740274.4	993656.8	9580	10.89	-0.01
740386.8	993169.6	9080	10.25	-0.25	740272.1	993666.6	9590	10.71	0.00
740384.6	993179.4	9090	10.16	-0.17	740269.9	993676.3	9600	10.53	-0.07
740382.3	993189.1	9100	10.10	0.00	740267.6	993686	9610	10.71	-0.09
740380.1	993198.8	9110	9.83	-0.16	740265.4	993695.8	9620	10.77	-0.65
740377.8	993208.6	9120	10.10	-0.16	740263.1	993705.5	9630	10.77	-0.12
740375.6	993218.3	9130	10.19	-0.37	740260.9	993715.3	9640	11.54	-0.02
740373.3	993228.1	9140	9.86	0.01	740258.6	993725	9650	11.51	0.01
740371.1	993237.8	9150	10.04	-0.26	740256.4	993734.8	9660	11.05	-0.69
740368.8	993247.6	9160	9.98	-0.10	740254.1	993744.5	9670	11.29	-0.62
740366.6	993257.3	9170	10.13	-0.15	740251.9	993754.3	9680	11.35	-0.04
740364.3	993267.1	9180	9.74	-0.14	740249.6	993764	9690	11.96	-0.66
740362.1	993276.8	9190	9.92	-0.13	740247.4	993773.7	9700	11.72	-0.56
740359.8	993286.5	9200	10.31	-0.13	740245.1	993783.4	9710	12.51	-0.06
740357.6	993296.3	9210	10.31	-0.26	740242.9	993793.2	9720	23.19	-0.47
740355.3	993306	9220	10.25	-0.02	740240.6	993802.9	9730	33.91	-0.04
740353.1	993315.8	9230	10.04	-0.19	740238.4	993812.7	9740	23.71	-0.52
740350.8	993325.5	9240	10.13	-0.11	740236.1	993822.4	9750	16.14	-0.06
740348.6	993335.3	9250	10.38	-0.27	740233.9	993832.2	9760	12.82	-0.48
740346.3	993345	9260	10.47	-0.10	740231.6	993841.9	9770	12.97	-0.62
740344.1	993354.8	9270	10.74	-0.13	740229.4	993851.7	9780	13.85	-0.54
740341.8	993364.5	9280	10.62	0.02	740227.1	993861.4	9790	13.24	-0.02
740339.6	993374.3	9290	9.55	-0.29	740224.9	993871.1	9800	13.31	0.00
740337.3	993383.9	9300	10.68	-0.08	740222.6	993880.9	9810	14.86	0.00
740335.1	993393.7	9310	12.21	0.20	740220.4	993890.6	9820	13.73	0.00
740332.8	993403.4	9320	10.65	-0.12	740218.1	993900.4	9830	12.42	-0.59
740330.6	993413.2	9330	10.86	-0.57	740215.9	993910.1	9840	12.57	-0.03
740328.3	993422.9	9340	10.77	-0.54	740213.6	993919.9	9850	12.18	-0.58
740326.1	993432.7	9350	10.77	-0.17	740211.4	993929.6	9860	11.87	-0.52
740323.8	993442.4	9360	10.99	-0.08	740209.1	993939.4	9870	12.18	-0.69
740321.6	993452.2	9370	11.63	-0.14	740206.9	993949.1	9880	12.57	-0.65
740319.3	993461.9	9380	11.44	0.02	740204.6	993958.8	9890	12.33	-0.16
740317.1	993471.7	9390	11.02	-0.63	740202.4	993968.6	9900	11.69	0.04

Easting	Northing	Station	Conduct.	In-Phase
740200.1	993978.3	9910	11.78	0.00
740197.9	993988.1	9920	12.45	-0.34
740195.6	993997.8	9930	12.76	-0.69
740193.4	994007.6	9940	12.63	-0.38
740191.1	994017.3	9950	12.33	-0.59
740188.9	994027.1	9960	12.88	-0.61
740186.6	994036.8	9970	11.60	-0.18
740184.4	994046.6	9980	12.36	-0.21
740182.1	994056.3	9990	11.20	-0.13
740179.9	994066	10000	11.02	-0.27
LINE 1160				
740199.9	994067.9	10000	11.66	-0.22
740202.2	994058.1	9990	11.75	-0.29
740204.4	994048.4	9980	11.63	-0.19
740206.7	994038.7	9970	11.84	0.03
740208.9	994028.9	9960	12.36	-0.34
740211.2	994019.2	9950	12.42	-0.48
740213.4	994009.4	9940	12.70	-0.67
740215.7	993999.7	9930	12.70	-0.13
740217.9	993989.9	9920	12.66	-0.63
740220.2	993980.2	9910	12.33	-0.07
740222.4	993970.4	9900	12.30	0.02
740224.7	993960.7	9890	11.84	-0.06
740226.9	993950.9	9880	12.30	-0.06
740229.2	993941.3	9870	11.66	0.02
740231.4	993931.5	9860	11.96	0.01
740233.7	993921.8	9850	11.93	-0.06
740235.9	993912	9840	13.06	-0.69
740238.2	993902.3	9830	16.08	-0.07
740240.4	993892.5	9820	18.43	-0.14
740242.7	993882.8	9810	15.84	-0.09
740244.9	993873	9800	10.13	-0.36
740247.2	993863.3	9790	9.80	-0.66
740249.4	993853.5	9780	11.75	0.00
740251.7	993843.8	9770	11.75	-0.06
740253.9	993834.1	9760	11.35	-0.06
740256.2	993824.3	9750	12.82	-0.38
740258.4	993814.6	9740	12.79	-0.08
740260.7	993804.8	9730	13.64	-0.09
740262.9	993795.1	9720	13.18	-0.14
740265.2	993785.3	9710	12.21	-0.07
740267.4	993775.6	9700	11.05	-0.61
740269.7	993765.8	9690	11.35	-0.01
740271.9	993756.1	9680	11.63	-0.60
740274.2	993746.4	9670	11.60	-0.03
740276.4	993736.6	9660	12.15	0.03
740278.7	993726.9	9650	11.29	0.00
740280.9	993717.1	9640	11.23	-0.68
740283.2	993707.4	9630	11.20	-0.13
740285.4	993697.6	9620	11.11	-0.12
740287.7	993687.9	9610	10.62	-0.69

Easting	Northing	Station	Conduct.	In-Phase
740289.9	993678.1	9600	10.89	-0.09
740292.2	993668.4	9590	11.17	-0.26
740294.4	993658.7	9580	11.32	-0.07
740296.7	993648.9	9570	13.24	-0.16
740298.9	993639.2	9560	13.85	0.03
740301.2	993629.4	9550	4.64	3.21
740303.4	993619.7	9540	15.11	-0.33
740305.7	993609.9	9530	13.40	-0.10
740307.9	993600.2	9520	13.95	0.03
740310.2	993590.4	9510	15.11	-0.05
740312.4	993580.7	9500	15.32	-0.18
740314.7	993570.9	9490	15.41	-0.16
740316.9	993561.3	9480	15.75	-0.15
740319.2	993551.5	9470	14.95	-0.16
740321.4	993541.8	9460	12.51	-0.09
740323.7	993532	9450	12.63	-0.14
740325.9	993522.3	9440	18.22	-0.22
740328.2	993512.5	9430	23.16	-0.25
740330.4	993502.8	9420	6.62	-0.59
740332.7	993493	9410	-6.77	-0.36
740334.9	993483.3	9400	17.18	-0.32
740337.2	993473.5	9390	14.95	-0.24
740339.4	993463.8	9380	11.02	-0.12
740341.7	993454.1	9370	13.00	-0.11
740343.9	993444.3	9360	12.70	-0.21
740346.2	993434.6	9350	11.08	-0.06
740348.4	993424.8	9340	11.29	0.00
740350.7	993415.1	9330	11.29	-0.20
740352.9	993405.3	9320	12.08	-0.26
740355.2	993395.6	9310	11.90	-0.27
740357.4	993385.8	9300	13.49	-0.32
740359.7	993376.1	9290	0.92	-0.43
740361.9	993366.4	9280	14.25	-0.26
740364.2	993356.6	9270	11.51	-0.24
740366.4	993346.9	9260	10.53	-0.04
740368.7	993337.1	9250	10.44	-0.09
740370.9	993327.4	9240	10.44	-0.16
740373.2	993317.6	9230	10.59	-0.13
740375.4	993307.9	9220	10.41	-0.15
740377.7	993298.1	9210	10.35	-0.08
740379.9	993288.4	9200	10.50	-0.07
740382.2	993278.6	9190	10.68	-0.12
740384.4	993268.9	9180	10.96	-0.09
740386.7	993259.2	9170	10.74	-0.14
740388.9	993249.4	9160	10.56	-0.64
740391.2	993239.7	9150	10.96	-0.18
740393.4	993229.9	9140	10.28	-0.03
740395.7	993220.2	9130	10.77	-0.69
740397.9	993210.4	9120	10.59	0.04
740400.2	993200.7	9110	10.44	0.04
740402.4	993190.9	9100	10.59	-0.63

Easting	Northing	Station	Conduct.	In-Phase
740404.7	993181.2	9090	10.35	-0.03
740406.9	993171.5	9080	10.35	-0.05
740409.2	993161.8	9070	10.99	0.01
740411.4	993152	9060	10.80	-0.09
740413.7	993142.3	9050	10.41	-0.12
740415.9	993132.5	9040	11.14	-0.17
740418.2	993122.8	9030	11.23	-0.13
740420.4	993113	9020	11.08	-0.20
740422.7	993103.3	9010	11.41	0.04
740424.9	993093.5	9000	11.44	-0.13
740427.2	993083.8	8990	11.35	-0.34
740429.4	993074.1	8980	11.14	-0.14
740431.7	993064.3	8970	11.05	-0.20
740433.9	993054.6	8960	11.02	-0.17
740436.2	993044.8	8950	11.05	-0.29
740438.4	993035.1	8940	11.11	-0.12
740440.7	993025.3	8930	10.99	-0.14
740442.9	993015.6	8920	11.05	-0.13
740445.2	993005.8	8910	10.99	-0.01
740447.4	992996.1	8900	11.17	0.00
740449.7	992986.3	8890	11.20	-0.16
740451.9	992976.6	8880	10.71	0.02
740454.2	992966.9	8870	10.83	-0.50
740456.4	992957.1	8860	10.59	-0.09
740458.7	992947.4	8850	10.62	0.01
740460.9	992937.6	8840	10.31	-0.03
740463.2	992927.9	8830	10.50	-0.09
740465.4	992918.1	8820	10.16	0.02
740467.6	992908.4	8810	9.92	-0.17
740469.9	992898.6	8800	9.64	0.00
740472.1	992888.9	8790	9.70	-0.05
740474.4	992879.2	8780	10.01	-0.65
740476.6	992869.4	8770	10.53	-0.58
740478.9	992859.7	8760	10.22	-0.01
740481.1	992849.9	8750	9.89	-0.23
740483.4	992840.2	8740	10.04	-0.19
740485.6	992830.4	8730	10.68	-0.09
740487.9	992820.7	8720	11.02	-0.06
740490.1	992810.9	8710	10.74	0.00
740492.4	992801.2	8700	10.50	-0.66
740494.6	992791.4	8690	10.74	0.00
740496.9	992781.8	8680	10.86	0.03
740499.1	992772	8670	10.25	0.03
740501.4	992762.3	8660	10.25	-0.14
740503.6	992752.5	8650	10.07	-0.12
740505.9	992742.8	8640	9.98	-0.04
740508.1	992733	8630	10.28	0.04
740510.4	992723.3	8620	10.19	0.00
740512.6	992713.5	8610	10.56	-0.04
740514.9	992703.8	8600	10.22	-0.12

Easting	Northing	Station	Conduct.	In-Phase
740514.9	992703.8	8600	10.22	-0.12
LINE 1180				
740555.1	992707.5	8600	10.44	0.00
740552.8	992717.3	8610	10.59	-0.02
740550.6	992727	8620	10.41	-0.04
740548.3	992736.8	8630	10.04	0.02
740546.1	992746.5	8640	10.25	-0.69
740543.8	992756.3	8650	10.13	-0.07
740541.6	992766	8660	10.25	-0.03
740539.3	992775.7	8670	10.50	-0.08
740537.1	992785.4	8680	10.74	-0.18
740534.8	992795.2	8690	10.86	-0.20
740532.6	992804.9	8700	10.93	-0.02
740530.3	992814.7	8710	10.86	-0.02
740528.1	992824.4	8720	10.83	-0.16
740525.8	992834.2	8730	10.80	-0.05
740523.6	992843.9	8740	11.41	-0.10
740521.3	992853.7	8750	10.83	-0.31
740519.1	992863.4	8760	10.77	-0.13
740516.8	992873.1	8770	9.67	-0.02
740514.6	992882.9	8780	9.77	0.00
740512.4	992892.6	8790	9.98	-0.06
740510.1	992902.4	8800	9.64	-0.09
740507.9	992912.1	8810	10.35	-0.20
740505.6	992921.9	8820	10.04	-0.13
740503.4	992931.6	8830	10.25	-0.08
740501.1	992941.4	8840	9.89	-0.11
740498.9	992951.1	8850	10.56	-0.11
740496.6	992960.9	8860	10.35	0.01
740494.4	992970.6	8870	10.19	0.01
740492.1	992980.3	8880	10.16	-0.20
740489.9	992990.1	8890	10.47	-0.01
740487.6	992999.8	8900	9.95	-0.08
740485.4	993009.6	8910	9.83	0.00
740483.1	993019.3	8920	9.95	-0.15
740480.9	993029.1	8930	9.98	-0.08
740478.6	993038.8	8940	10.07	-0.14
740476.4	993048.6	8950	9.95	-0.06
740474.1	993058.3	8960	9.98	-0.08
740471.9	993068	8970	10.83	-0.04
740469.6	993077.8	8980	10.44	-0.14
740467.4	993087.5	8990	10.83	-0.66
740465.1	993097.3	9000	10.68	-0.05
740462.9	993107	9010	10.77	-0.02
740460.6	993116.8	9020	10.68	-0.08
740458.4	993126.5	9030	10.47	-0.18
740456.1	993136.3	9040	10.07	-0.06
740453.9	993146	9050	10.25	-0.09
740451.6	993155.8	9060	9.89	-0.03
740449.4	993165.4	9070	10.04	-0.69
740447.1	993175.2	9080	9.95	0.00

Easting	Northing	Station	Conduct.	In-Phase
740444.9	993184.9	9090	9.86	-0.16
740442.6	993194.7	9100	10.25	-0.10
740440.4	993204.4	9110	10.13	-0.11
740438.1	993214.2	9120	10.22	-0.19
740435.9	993223.9	9130	10.28	-0.06
740433.6	993233.7	9140	10.53	-0.16
740431.4	993243.4	9150	10.93	-0.07
740429.1	993253.2	9160	10.35	-0.18
740426.9	993262.9	9170	10.62	-0.18
740424.6	993272.6	9180	10.80	-0.15
740422.4	993282.4	9190	10.59	-0.18
740420.1	993292.1	9200	10.71	-0.01
740417.9	993301.9	9210	10.71	-0.04
740415.6	993311.6	9220	10.53	-0.09
740413.4	993321.4	9230	11.14	-0.02
740411.1	993331.1	9240	10.86	-0.11
740408.9	993340.9	9250	10.77	-0.12
740406.6	993350.6	9260	11.08	-0.10
740404.4	993360.3	9270	10.68	-0.10
740402.1	993370.1	9280	10.41	0.01
740399.9	993379.8	9290	11.29	-0.59
740397.6	993389.6	9300	11.02	-0.13
740395.4	993399.3	9310	11.11	-0.09
740393.1	993409.1	9320	12.94	-0.35
740390.9	993418.8	9330	14.92	-0.29
740388.6	993428.6	9340	12.33	-0.23
740386.4	993438.3	9350	11.14	-0.19
740384.1	993448.1	9360	8.76	-0.12
740381.9	993457.8	9370	8.91	-0.07
740379.6	993467.5	9380	10.99	-0.24
740377.4	993477.3	9390	11.78	-0.21
740375.1	993487	9400	13.31	-0.41
740372.9	993496.8	9410	12.91	-0.34
740370.6	993506.5	9420	11.51	-0.08
740368.4	993516.3	9430	10.68	-0.04
740366.1	993526	9440	11.69	-0.01
740363.9	993535.8	9450	13.49	-0.33
740361.6	993545.5	9460	12.70	-0.08
740359.4	993555.2	9470	12.12	-0.19
740357.1	993564.9	9480	15.93	-0.27
740354.9	993574.7	9490	17.00	-0.32
740352.6	993584.4	9500	15.69	-0.16
740350.4	993594.2	9510	17.12	-0.15
740348.1	993603.9	9520	10.41	-0.09
740345.9	993613.7	9530	13.85	-0.12
740343.6	993623.4	9540	13.00	-0.69
740341.4	993633.2	9550	24.48	-0.34
740339.1	993642.9	9560	25.57	-0.44
740336.9	993652.6	9570	21.21	-0.44
740334.6	993662.4	9580	16.05	-0.27
740332.4	993672.1	9590	14.25	-0.18
740330.1	993681.9	9600	16.45	-0.31
740327.9	993691.6	9610	17.58	-0.32
740325.6	993701.4	9620	12.91	-0.16
740323.4	993711.1	9630	6.47	-0.61
740321.1	993720.9	9640	9.64	-0.02
740318.9	993730.6	9650	11.26	-0.05
740316.6	993740.3	9660	10.96	0.04
740314.4	993750.1	9670	11.32	-0.04
740312.1	993759.8	9680	11.26	-0.01
740309.9	993769.6	9690	11.35	-0.18
740307.6	993779.3	9700	11.32	-0.24
740305.4	993789.1	9710	12.33	-0.10
740303.1	993798.8	9720	12.85	-0.01
740300.9	993808.6	9730	11.78	-0.01
740298.6	993818.3	9740	11.84	-0.60
740296.4	993828.1	9750	11.69	-0.65
740294.1	993837.8	9760	11.32	0.03
740291.9	993847.5	9770	11.69	-0.05
740289.6	993857.3	9780	14.95	-0.17
740287.4	993867	9790	12.15	-0.63
740285.1	993876.8	9800	12.73	-0.14
740282.9	993886.5	9810	12.05	-0.04
740280.6	993896.3	9820	11.81	0.02
740278.4	993906	9830	11.90	-0.04
740276.1	993915.8	9840	11.99	-0.65
740273.9	993925.5	9850	11.87	0.00
740271.6	993935.2	9860	12.24	-0.03
740269.4	993944.9	9870	12.08	-0.68
740267.1	993954.7	9880	11.81	-0.59
740264.9	993964.4	9890	12.24	-0.59
740262.6	993974.2	9900	12.05	-0.64
740260.4	993983.9	9910	12.91	-0.05
740258.1	993993.7	9920	13.15	-0.09
740255.9	994003.4	9930	12.91	0.00
740253.6	994013.2	9940	13.00	-0.11
740251.4	994022.9	9950	12.02	0.00
740249.1	994032.6	9960	11.69	-0.05
740246.9	994042.4	9970	12.39	-0.02
740244.6	994052.1	9980	12.15	-0.18
740242.4	994061.9	9990	12.33	-0.30
740240.1	994071.6	10000	12.18	0.02
LINE 1200				
740220.1	994069.8	10000	11.35	-0.17
740222.3	994060	9990	11.72	-0.08
740224.6	994050.3	9980	11.69	-0.55
740226.8	994040.5	9970	13.46	-0.07
740229.1	994030.8	9960	12.30	-0.08
740231.3	994021.1	9950	12.57	-0.04
740233.6	994011.3	9940	13.79	-0.01
740235.8	994001.6	9930	12.91	-0.62
740238.1	993991.8	9920	12.66	0.05

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740240.3	993982.1	9910	12.60	0.04	740355	993485.1	9400	12.76	-0.63
740242.6	993972.3	9900	11.38	-0.69	740357.3	993475.4	9390	12.94	-0.21
740244.8	993962.6	9890	11.99	-0.60	740359.5	993465.6	9380	10.77	-0.69
740247.1	993952.8	9880	11.72	-0.66	740361.8	993455.9	9370	10.56	-0.16
740249.3	993943.1	9870	11.90	-0.02	740364	993446.2	9360	10.62	-0.13
740251.6	993933.4	9860	11.66	0.02	740366.3	993436.4	9350	11.17	0.00
740253.8	993923.6	9850	11.63	-0.63	740368.5	993426.7	9340	11.23	-0.05
740256.1	993913.9	9840	12.82	0.01	740370.8	993416.9	9330	11.41	-0.11
740258.3	993904.1	9830	13.24	-0.01	740373	993407.2	9320	10.96	-0.11
740260.6	993894.4	9820	12.70	0.01	740375.3	993397.4	9310	10.93	-0.09
740262.8	993884.6	9810	12.33	0.00	740377.5	993387.7	9300	11.11	-0.06
740265.1	993874.9	9800	11.75	-0.48	740379.8	993377.9	9290	11.47	-0.09
740267.3	993865.1	9790	11.20	-0.07	740382	993368.2	9280	10.77	-0.07
740269.6	993855.4	9780	11.29	-0.56	740384.3	993358.5	9270	10.62	0.01
740271.8	993845.6	9770	11.38	-0.02	740386.5	993348.8	9260	10.71	-0.04
740274.1	993835.9	9760	11.14	-0.60	740388.8	993339	9250	10.86	-0.03
740276.3	993826.2	9750	11.38	-0.59	740391	993329.3	9240	10.53	-0.05
740278.6	993816.4	9740	11.08	-0.52	740393.3	993319.5	9230	10.53	0.00
740280.8	993806.7	9730	11.69	-0.50	740395.5	993309.8	9220	10.71	0.02
740283.1	993796.9	9720	11.08	-0.67	740397.8	993300	9210	10.56	-0.04
740285.3	993787.2	9710	11.35	0.03	740400	993290.3	9200	10.80	-0.04
740287.6	993777.4	9700	11.75	-0.02	740402.3	993280.5	9190	10.74	0.03
740289.8	993767.7	9690	12.33	-0.58	740404.5	993270.8	9180	10.80	-0.69
740292.1	993757.9	9680	11.20	-0.63	740406.8	993261.1	9170	10.71	-0.02
740294.3	993748.2	9670	11.17	0.00	740409	993251.3	9160	10.89	-0.04
740296.6	993738.5	9660	11.90	-0.12	740411.3	993241.6	9150	10.83	0.02
740298.8	993728.8	9650	11.47	-0.01	740413.5	993231.8	9140	10.68	-0.01
740301.1	993719	9640	11.66	0.00	740415.8	993222.1	9130	10.56	-0.08
740303.3	993709.3	9630	11.87	-0.05	740418	993212.3	9120	10.77	0.04
740305.6	993699.5	9620	11.17	0.01	740420.3	993202.6	9110	10.56	-0.07
740307.8	993689.8	9610	11.23	0.00	740422.5	993192.8	9100	10.50	-0.58
740310.1	993680	9600	12.66	-0.05	740424.8	993183.1	9090	10.56	-0.63
740312.3	993670.3	9590	12.63	-0.69	740427	993173.3	9080	9.86	0.00
740314.6	993660.5	9580	6.93	-0.52	740429.3	993163.6	9070	10.25	0.04
740316.8	993650.8	9570	16.02	-0.07	740431.5	993153.9	9060	10.50	0.02
740319.1	993641.1	9560	20.84	-0.27	740433.8	993144.1	9050	10.56	-0.04
740321.3	993631.3	9550	25.30	-0.34	740436	993134.4	9040	10.41	-0.04
740323.6	993621.6	9540	38.82	-0.62	740438.3	993124.6	9030	10.50	-0.65
740325.8	993611.8	9530	34.42	-0.33	740440.5	993114.9	9020	10.93	-0.06
740328.1	993602.1	9520	-17.82	-0.44	740442.8	993105.1	9010	11.02	0.04
740330.3	993592.3	9510	-30.15	-0.27	740445	993095.4	9000	11.20	-0.63
740332.6	993582.6	9500	-14.50	-0.31	740447.3	993085.6	8990	11.23	0.00
740334.8	993572.8	9490	19.17	-0.09	740449.5	993075.9	8980	11.05	0.02
740337.1	993563.1	9480	25.76	-0.21	740451.8	993066.2	8970	11.11	0.03
740339.3	993553.4	9470	18.52	-0.18	740454	993056.4	8960	10.80	-0.68
740341.6	993543.6	9460	13.31	-0.32	740456.3	993046.7	8950	10.68	-0.65
740343.8	993533.9	9450	15.72	-0.20	740458.5	993036.9	8940	10.44	0.01
740346.1	993524.1	9440	11.84	-0.25	740460.8	993027.2	8930	10.31	0.04
740348.3	993514.4	9430	11.47	-0.04	740463	993017.4	8920	10.71	0.03
740350.5	993504.6	9420	12.63	-0.04	740465.3	993007.7	8910	10.56	0.03
740352.8	993494.9	9410	14.01	-0.24	740467.5	992997.9	8900	10.59	-0.34

Easting	Northing	Station	Conduct.	In-Phase
740469.8	992988.2	8890	10.99	-0.61
740472	992978.4	8880	10.74	0.05
740474.3	992968.8	8870	11.08	-0.59
740476.5	992959	8860	10.65	-0.67
740478.8	992949.3	8850	10.56	-0.04
740481	992939.5	8840	9.89	-0.68
740483.3	992929.8	8830	10.28	-0.67
740485.5	992920	8820	9.64	-0.63
740487.8	992910.3	8810	10.22	-0.57
740490	992900.5	8800	10.25	-0.42
740492.3	992890.8	8790	10.19	0.00
740494.5	992881	8780	10.10	0.00
740496.8	992871.3	8770	10.56	-0.67
740499	992861.6	8760	10.16	-0.08
740501.3	992851.8	8750	11.02	-0.68
740503.5	992842.1	8740	10.19	-0.02
740505.8	992832.3	8730	9.61	-0.67
740508	992822.6	8720	11.05	0.02
740510.3	992812.8	8710	10.31	0.01
740512.5	992803.1	8700	10.65	-0.39
740514.8	992793.3	8690	10.80	-0.07
740517	992783.6	8680	10.53	0.03
740519.3	992773.9	8670	11.02	-0.06
740521.5	992764.1	8660	10.71	-0.12
740523.8	992754.4	8650	10.44	-0.03
740526	992744.6	8640	10.41	-0.13
740528.3	992734.9	8630	10.22	0.03
740530.5	992725.1	8620	10.38	-0.62
740532.8	992715.4	8610	10.25	-0.65
740535	992705.6	8600	10.28	-0.04
740537.3	992695.9	8590	10.41	-0.63
740539.5	992686.1	8580	9.92	-0.63
740541.8	992676.4	8570	10.31	-0.62
740544	992666.7	8560	9.98	-0.06
740546.3	992656.9	8550	10.07	0.02
740548.5	992647.2	8540	9.92	-0.61
740550.8	992637.4	8530	9.86	-0.65
740553	992627.7	8520	10.07	-0.69
LINE 1220				
740593.2	992631.3	8520	9.77	0.02
740590.9	992641.1	8530	9.89	-0.53
740588.7	992650.8	8540	9.98	-0.68
740586.4	992660.6	8550	10.10	-0.65
740584.2	992670.3	8560	10.38	-0.53
740581.9	992680.1	8570	10.13	-0.51
740579.7	992689.8	8580	10.16	-0.69
740577.4	992699.6	8590	10.04	-0.44
740575.2	992709.3	8600	10.35	-0.56
740572.9	992719	8610	10.56	-0.62
740570.7	992728.8	8620	10.28	-0.69
740568.4	992738.5	8630	10.28	-0.61

Easting	Northing	Station	Conduct.	In-Phase
740566.2	992748.3	8640	9.86	-0.64
740563.9	992758	8650	10.28	-0.62
740561.7	992767.8	8660	10.41	-0.64
740559.4	992777.5	8670	10.38	-0.60
740557.2	992787.3	8680	10.44	-0.61
740554.9	992797	8690	10.86	-0.67
740552.7	992806.7	8700	10.99	-0.65
740550.4	992816.4	8710	10.80	-0.51
740548.2	992826.2	8720	11.02	-0.03
740545.9	992835.9	8730	10.44	-0.68
740543.7	992845.7	8740	10.47	-0.49
740541.4	992855.4	8750	10.38	-0.60
740539.2	992865.2	8760	10.31	-0.62
740536.9	992874.9	8770	10.41	-0.61
740534.7	992884.7	8780	10.10	-0.54
740532.4	992894.4	8790	9.61	-0.09
740530.2	992904.1	8800	9.74	-0.69
740527.9	992913.9	8810	10.31	-0.69
740525.7	992923.6	8820	10.19	-0.03
740523.4	992933.4	8830	10.16	-0.06
740521.2	992943.1	8840	10.41	-0.68
740518.9	992952.9	8850	10.38	-0.69
740516.7	992962.6	8860	10.28	-0.03
740514.4	992972.4	8870	10.01	-0.67
740512.2	992982.1	8880	9.83	-0.04
740509.9	992991.9	8890	9.74	-0.08
740507.7	993001.6	8900	9.49	0.04
740505.4	993011.3	8910	9.70	-0.53
740503.2	993021.1	8920	9.49	-0.60
740500.9	993030.8	8930	9.55	-0.66
740498.8	993040.6	8940	9.64	-0.04
740496.5	993050.3	8950	9.83	0.01
740494.3	993060.1	8960	10.35	0.02
740492	993069.8	8970	10.35	0.02
740489.8	993079.6	8980	10.80	-0.68
740487.5	993089.3	8990	10.59	-0.64
740485.3	993099	9000	10.71	-0.65
740483	993108.8	9010	10.41	-0.61
740480.8	993118.5	9020	10.41	-0.68
740478.5	993128.3	9030	10.41	-0.49
740476.3	993138	9040	9.83	-0.58
740474	993147.8	9050	10.13	0.00
740471.8	993157.5	9060	10.13	-0.54
740469.5	993167.3	9070	10.10	-0.62
740467.3	993177	9080	10.35	0.02
740465	993186.8	9090	10.25	-0.63
740462.8	993196.4	9100	10.31	-0.68
740460.5	993206.2	9110	9.95	-0.58
740458.3	993215.9	9120	10.53	-0.51
740456	993225.7	9130	10.35	-0.52
740453.8	993235.4	9140	10.65	-0.04

Easting	Northing	Station	Conduct.	In-Phase
740451.5	993245.2	9150	10.59	-0.61
740449.3	993254.9	9160	10.56	-0.68
740447	993264.7	9170	10.56	0.00
740444.8	993274.4	9180	10.89	-0.69
740442.5	993284.2	9190	10.74	-0.61
740440.3	993293.9	9200	10.80	0.05
740438	993303.6	9210	10.35	-0.65
740435.8	993313.4	9220	10.89	0.03
740433.5	993323.1	9230	11.05	0.04
740431.3	993332.9	9240	10.77	-0.68
740429	993342.6	9250	10.80	-0.62
740426.8	993352.4	9260	11.05	-0.43
740424.5	993362.1	9270	10.53	-0.48
740422.3	993371.9	9280	10.89	-0.58
740420	993381.6	9290	12.94	-0.12
740417.8	993391.3	9300	11.81	-0.67
740415.5	993401.1	9310	10.93	-0.01
740413.3	993410.8	9320	11.72	-0.66
740411	993420.6	9330	11.47	0.04
740408.8	993430.3	9340	10.89	0.02
740406.5	993440.1	9350	10.89	0.01
740404.3	993449.8	9360	10.80	-0.63
740402	993459.6	9370	10.13	0.03
740399.8	993469.3	9380	9.55	-0.05
740397.5	993479.1	9390	10.31	0.02
740395.3	993488.8	9400	11.20	-0.63
740393	993498.5	9410	11.99	0.00
740390.8	993508.3	9420	11.41	-0.62
740388.5	993518	9430	11.26	-0.66
740386.3	993527.8	9440	12.12	0.02
740384	993537.5	9450	14.83	-0.15
740381.8	993547.3	9460	15.29	-0.01
740379.5	993557	9470	15.44	-0.11
740377.3	993566.8	9480	13.52	-0.01
740375	993576.5	9490	14.34	0.01
740372.8	993586.2	9500	12.85	-0.63
740370.5	993595.9	9510	12.79	0.13
740368.3	993605.7	9520	12.27	-0.46
740366	993615.4	9530	12.02	-0.62
740363.8	993625.2	9540	15.29	-0.14
740361.5	993634.9	9550	12.27	-0.66
740359.3	993644.7	9560	15.26	-0.14
740357	993654.4	9570	16.17	-0.05
740354.8	993664.2	9580	13.98	0.02
740352.5	993673.9	9590	12.57	0.04
740350.3	993683.6	9600	14.31	-0.08
740348	993693.4	9610	19.96	-0.26
740345.8	993703.1	9620	14.43	-0.09
740343.5	993712.9	9630	12.39	-0.67
740341.3	993722.6	9640	14.98	-0.07
740339	993732.4	9650	14.89	-0.16

Easting	Northing	Station	Conduct.	In-Phase
740336.8	993742.1	9660	12.15	-0.57
740334.5	993751.9	9670	13.28	-0.62
740332.3	993761.6	9680	14.22	-0.69
740330	993771.4	9690	13.37	-0.67
740327.8	993781.1	9700	12.18	-0.59
740325.5	993790.8	9710	15.99	-0.07
740323.3	993800.6	9720	17.61	0.01
740321	993810.3	9730	15.26	-0.03
740318.8	993820.1	9740	22.80	-0.21
740316.5	993829.8	9750	33.36	-0.51
740314.3	993839.6	9760	28.78	-0.34
740312	993849.3	9770	13.12	-0.65
740309.8	993859.1	9780	10.31	-0.45
740307.5	993868.8	9790	13.82	0.05
740305.3	993878.5	9800	13.70	-0.35
740303	993888.3	9810	21.21	-0.05
740300.8	993898	9820	19.38	-0.60
740298.5	993907.8	9830	17.30	-0.63
740296.3	993917.5	9840	15.14	-0.57
740294	993927.3	9850	13.64	-0.53
740291.8	993937	9860	12.82	0.01
740289.5	993946.8	9870	12.05	-0.69
740287.3	993956.5	9880	12.15	-0.59
740285	993966.3	9890	11.57	-0.56
740282.8	993975.9	9900	11.96	-0.46
740280.5	993985.7	9910	12.42	-0.55
740278.3	993995.4	9920	13.24	-0.64
740276	994005.2	9930	14.83	-0.68
740273.8	994014.9	9940	14.50	-0.68
740271.5	994024.7	9950	14.13	-0.61
740269.3	994034.4	9960	14.43	-0.67
740267	994044.2	9970	15.96	-0.15
740264.8	994053.9	9980	14.59	-0.50
740262.5	994063.6	9990	12.45	-0.65
740260.3	994073.4	10000	12.60	-0.59

LINE 1240

Easting	Northing	Station	Conduct.	In-Phase
740280.4	994075.3	10000	12.54	-0.09
740282.6	994065.5	9990	12.70	-0.57
740284.9	994055.8	9980	14.16	-0.63
740287.1	994046.1	9970	23.44	-0.14
740289.4	994036.3	9960	17.85	-0.14
740291.6	994026.6	9950	15.35	0.03
740293.9	994016.8	9940	20.05	-0.09
740296.1	994007.1	9930	26.58	-0.13
740298.4	993997.3	9920	15.20	-0.42
740300.6	993987.6	9910	13.06	-0.66
740302.9	993977.8	9900	12.57	-0.63
740305.1	993968.1	9890	12.27	-0.68
740307.4	993958.3	9880	11.75	-0.66
740309.6	993948.6	9870	12.70	0.01
740311.9	993938.9	9860	7.32	-0.40

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740314.1	993929.1	9850	18.59	-0.28	740428.8	993432.2	9340	11.02	-0.65
740316.4	993919.4	9840	34.12	-0.47	740431.1	993422.4	9330	10.74	-0.01
740318.6	993909.6	9830	14.01	-0.64	740433.3	993412.7	9320	10.83	-0.66
740320.9	993899.9	9820	16.69	-0.06	740435.6	993402.9	9310	10.86	-0.31
740323.1	993890.1	9810	25.85	-0.36	740437.8	993393.2	9300	11.05	-0.01
740325.4	993880.4	9800	22.77	-0.20	740440.1	993383.4	9290	11.32	-0.56
740327.6	993870.6	9790	18.62	-0.11	740442.3	993373.8	9280	11.23	-0.53
740329.9	993860.9	9780	19.74	-0.07	740444.6	993364	9270	10.83	-0.56
740332.1	993851.2	9770	19.90	-0.15	740446.8	993354.3	9260	10.38	-0.48
740334.4	993841.4	9760	25.21	-0.37	740449.1	993344.5	9250	11.08	0.00
740336.6	993831.7	9750	10.89	-0.60	740451.3	993334.8	9240	11.08	-0.07
740338.9	993821.9	9740	37.17	-0.05	740453.6	993325	9230	11.20	-0.64
740341.1	993812.2	9730	28.96	-0.29	740455.8	993315.3	9220	11.17	-0.65
740343.4	993802.4	9720	20.54	-0.10	740458.1	993305.5	9210	10.89	0.03
740345.6	993792.7	9710	13.52	-0.59	740460.3	993295.8	9200	11.05	-0.01
740347.9	993782.9	9700	13.46	0.02	740462.6	993286	9190	11.05	-0.66
740350.1	993773.2	9690	15.99	-0.02	740464.8	993276.3	9180	10.74	-0.62
740352.4	993763.5	9680	13.34	-0.04	740467.1	993266.6	9170	11.26	-0.56
740354.6	993753.8	9670	13.28	-0.03	740469.3	993256.8	9160	10.77	-0.04
740356.9	993744	9660	14.31	0.03	740471.6	993247.1	9150	10.96	-0.49
740359.1	993734.3	9650	21.85	-0.28	740473.8	993237.3	9140	10.47	-0.64
740361.4	993724.5	9640	15.62	-0.04	740476.1	993227.6	9130	10.65	-0.68
740363.6	993714.8	9630	14.19	-0.37	740478.3	993217.8	9120	10.01	-0.06
740365.9	993705	9620	12.76	-0.69	740480.6	993208.1	9110	10.68	-0.61
740368.1	993695.3	9610	13.15	-0.02	740482.8	993198.3	9100	10.56	-0.63
740370.4	993685.5	9600	13.40	0.02	740485.1	993188.6	9090	10.65	0.02
740372.6	993675.8	9590	11.57	-0.05	740487.3	993178.9	9080	10.22	-0.65
740374.9	993666.1	9580	13.73	-0.42	740489.6	993169.1	9070	10.04	-0.65
740377.1	993656.3	9570	20.90	0.00	740491.8	993159.4	9060	10.35	-0.68
740379.4	993646.6	9560	26.09	-0.38	740494.1	993149.6	9050	10.62	-0.65
740381.6	993636.8	9550	21.06	-0.19	740496.3	993139.9	9040	10.50	0.02
740383.8	993627.1	9540	15.90	-0.02	740498.6	993130.1	9030	10.35	0.04
740386.1	993617.3	9530	13.82	-0.05	740500.8	993120.4	9020	10.53	-0.36
740388.3	993607.6	9520	12.76	0.03	740503.1	993110.6	9010	10.89	0.04
740390.6	993597.8	9510	13.52	-0.56	740505.3	993100.9	9000	10.86	-0.05
740392.8	993588.1	9500	12.82	-0.07	740507.6	993091.1	8990	10.86	-0.07
740395.1	993578.3	9490	12.48	-0.05	740509.8	993081.4	8980	10.74	0.03
740397.3	993568.6	9480	12.88	-0.50	740512.1	993071.7	8970	10.68	-0.65
740399.6	993558.9	9470	11.87	-0.06	740514.3	993061.9	8960	10.04	-0.58
740401.8	993549.1	9460	11.72	-0.01	740516.6	993052.2	8950	9.77	-0.66
740404.1	993539.4	9450	13.24	-0.61	740518.8	993042.4	8940	9.83	-0.07
740406.3	993529.6	9440	13.52	-0.05	740521.1	993032.7	8930	9.61	-0.65
740408.6	993519.9	9430	13.00	-0.68	740523.3	993022.9	8920	9.34	-0.47
740410.8	993510.1	9420	11.96	-0.59	740525.6	993013.2	8910	9.12	-0.68
740413.1	993500.4	9410	11.93	-0.55	740527.8	993003.4	8900	9.37	-0.37
740415.3	993490.6	9400	11.72	-0.60	740530.1	992993.7	8890	9.46	-0.52
740417.6	993480.9	9390	12.08	-0.52	740532.3	992984	8880	9.83	-0.55
740419.8	993471.2	9380	11.29	-0.62	740534.6	992974.3	8870	9.67	-0.56
740422.1	993461.4	9370	11.11	0.01	740536.8	992964.5	8860	9.67	-0.64
740424.3	993451.7	9360	10.83	-0.59	740539.1	992954.8	8850	10.01	-0.69
740426.6	993441.9	9350	10.74	-0.59	740541.3	992945	8840	10.25	-0.61

Easting	Northing	Station	Conduct.	In-Phase
740543.6	992935.3	8830	10.07	-0.55
740545.8	992925.5	8820	10.56	-0.53
740548.1	992915.8	8810	10.59	-0.49
740550.3	992906	8800	10.10	-0.54
740552.6	992896.3	8790	10.62	-0.09
740554.8	992886.6	8780	10.62	-0.67
740557.1	992876.8	8770	10.38	-0.69
740559.3	992867.1	8760	10.74	-0.63
740561.6	992857.3	8750	10.28	-0.63
740563.8	992847.6	8740	10.38	-0.69
740566.1	992837.8	8730	10.71	-0.61
740568.3	992828.1	8720	10.86	4.76
740570.6	992818.3	8710	10.86	-0.05
740572.8	992808.6	8700	10.93	-0.67
740575.1	992798.8	8690	11.26	-0.58
740577.3	992789.1	8680	11.11	-0.51
740579.6	992779.4	8670	11.05	-0.50
740581.8	992769.6	8660	10.68	-0.52
740584.1	992759.9	8650	11.05	-0.57
740586.3	992750.1	8640	10.93	0.00
740588.6	992740.4	8630	10.71	-0.59
740590.8	992730.6	8620	10.65	-0.38
740593.1	992720.9	8610	10.68	0.00
740595.3	992711.1	8600	10.56	-0.53
740597.6	992701.4	8590	10.56	-0.56
740599.8	992691.7	8580	10.25	-0.58
740602.1	992681.9	8570	9.89	-0.55
740604.3	992672.2	8560	10.01	-0.60
740606.6	992662.4	8550	10.28	0.94
LINE 1260				
740637.3	992715.2	8600	9.98	-0.09
740635	992724.9	8610	10.35	0.03
740632.8	992734.7	8620	10.35	-0.57
740630.5	992744.4	8630	10.59	-0.46
740628.3	992754.2	8640	10.80	-0.47
740626	992763.9	8650	11.05	-0.64
740623.8	992773.6	8660	11.20	-0.51
740621.5	992783.4	8670	11.47	-0.63
740619.3	992793.1	8680	11.35	-0.44
740617	992802.9	8690	11.41	0.00
740614.8	992812.6	8700	11.47	-0.15
740612.5	992822.4	8710	11.23	-0.13
740610.3	992832.1	8720	11.35	-0.06
740608	992841.9	8730	11.26	0.04
740605.8	992851.6	8740	11.32	0.04
740603.5	992861.4	8750	10.96	-0.15
740601.3	992871.1	8760	10.89	-0.01
740599	992880.8	8770	10.74	-0.63
740596.8	992890.6	8780	10.65	-0.26
740594.5	992900.3	8790	10.59	0.00
740592.3	992910.1	8800	10.07	-0.51

Easting	Northing	Station	Conduct.	In-Phase
740590	992919.8	8810	10.28	-0.51
740587.8	992929.6	8820	10.13	-0.54
740585.5	992939.3	8830	9.89	-0.57
740583.3	992949.1	8840	9.86	-0.63
740581	992958.8	8850	9.70	-0.03
740578.8	992968.5	8860	9.64	-0.68
740576.5	992978.3	8870	9.34	-0.05
740574.3	992988	8880	9.25	-0.12
740572	992997.8	8890	9.34	0.00
740569.8	993007.5	8900	9.52	-0.06
740567.5	993017.3	8910	9.61	-0.03
740565.3	993027	8920	9.74	-0.05
740563	993036.8	8930	10.50	-0.68
740560.8	993046.5	8940	9.89	-0.04
740558.5	993056.3	8950	10.80	0.04
740556.3	993065.9	8960	10.93	-0.06
740554	993075.7	8970	11.23	-0.13
740551.8	993085.4	8980	11.02	-0.04
740549.6	993095.2	8990	10.89	-0.15
740547.3	993104.9	9000	10.89	-0.03
740545.1	993114.7	9010	10.96	-0.25
740542.8	993124.4	9020	10.86	-0.65
740540.6	993134.2	9030	10.38	-0.18
740538.3	993143.9	9040	10.93	-0.07
740536.1	993153.7	9050	11.08	-0.03
740533.8	993163.4	9060	10.86	-0.03
740531.6	993173.1	9070	10.41	-0.05
740529.3	993182.9	9080	11.29	-0.07
740527.1	993192.6	9090	11.29	-0.04
740524.8	993202.4	9100	10.83	-0.13
740522.6	993212.1	9110	10.68	-0.16
740520.3	993221.9	9120	11.17	-0.69
740518.1	993231.6	9130	11.14	0.00
740515.8	993241.4	9140	10.89	-0.03
740513.6	993251.1	9150	11.32	0.01
740511.3	993260.8	9160	11.05	-0.50
740509.1	993270.6	9170	11.54	-0.45
740506.8	993280.3	9180	11.05	0.00
740504.6	993290.1	9190	11.47	-0.03
740502.3	993299.8	9200	10.77	-0.14
740500.1	993309.6	9210	10.96	-0.57
740497.8	993319.3	9220	10.77	-0.06
740495.6	993329.1	9230	10.59	0.00
740493.3	993338.8	9240	10.68	-0.64
740491.1	993348.6	9250	10.65	-0.08
740488.8	993358.3	9260	10.56	-0.59
740486.6	993368	9270	10.16	-0.03
740484.3	993377.8	9280	10.56	0.03
740482.1	993387.5	9290	10.25	-0.06
740479.8	993397.3	9300	10.25	-0.64
740477.6	993407	9310	10.38	0.02

Easting	Northing	Station	Conduct.	In-Phase
740475.3	993416.8	9320	10.65	-0.60
740473.1	993426.5	9330	11.26	-0.65
740470.8	993436.3	9340	10.71	-0.06
740468.6	993446	9350	10.53	0.02
740466.3	993455.7	9360	10.80	-0.58
740464.1	993465.4	9370	13.12	0.04
740461.8	993475.2	9380	14.83	-0.07
740459.6	993484.9	9390	14.53	-0.02
740457.3	993494.7	9400	14.16	0.01
740455.1	993504.4	9410	20.14	-0.26
740452.8	993514.2	9420	32.71	-0.50
740450.6	993523.9	9430	18.89	-0.04
740448.3	993533.7	9440	-7.69	-0.16
740446.1	993543.4	9450	30.03	-0.49
740443.8	993553.1	9460	23.50	-0.34
740441.6	993562.9	9470	14.07	0.03
740439.3	993572.6	9480	13.82	-0.06
740437.1	993582.4	9490	13.67	-0.02
740434.8	993592.1	9500	13.00	-0.64
740432.6	993601.9	9510	12.45	-0.61
740430.3	993611.6	9520	12.51	-0.68
740428.1	993621.4	9530	13.06	-0.61
740425.8	993631.1	9540	12.42	-0.58
740423.6	993640.9	9550	13.03	-0.05
740421.3	993650.6	9560	12.24	-0.02
740419.1	993660.3	9570	13.31	-0.57
740416.8	993670.1	9580	12.94	-0.68
740414.6	993679.8	9590	12.51	0.01
740412.3	993689.6	9600	12.42	-0.02
740410.1	993699.3	9610	12.36	-0.02
740407.8	993709.1	9620	12.51	-0.51
740405.6	993718.8	9630	13.28	0.01
740403.3	993728.6	9640	12.97	-0.05
740401.1	993738.3	9650	12.27	0.02
740398.8	993748	9660	11.75	0.04
740396.6	993757.8	9670	13.79	-0.05
740394.3	993767.5	9680	11.90	-0.49
740392.1	993777.3	9690	11.93	-0.55
740389.8	993787	9700	14.04	-0.68
740387.6	993796.8	9710	11.05	-0.52
740385.3	993806.5	9720	12.12	-0.56
740383.1	993816.3	9730	12.12	-0.54
740380.8	993826	9740	14.92	-0.63
740378.6	993835.8	9750	25.24	-0.14
740376.3	993845.4	9760	30.43	-0.20
740374.1	993855.2	9770	28.47	-0.16
740371.8	993864.9	9780	26.76	-0.48
740369.6	993874.7	9790	29.30	-0.16
740367.3	993884.4	9800	29.05	-0.23
740365.1	993894.2	9810	30.03	-0.35
740362.8	993903.9	9820	24.78	-0.35
740360.6	993913.7	9830	20.51	-0.44
740358.3	993923.4	9840	12.79	-0.61
740356.1	993933.2	9850	18.86	-0.22
740353.8	993942.9	9860	11.84	-0.01
740351.6	993952.6	9870	11.20	-0.07
740349.3	993962.4	9880	10.62	-0.04
740347.1	993972.1	9890	11.99	-0.67
740344.8	993981.9	9900	11.75	-0.02
740342.6	993991.6	9910	12.02	-0.04
740340.3	994001.4	9920	12.30	-0.17
740338.1	994011.1	9930	11.72	-0.12
740335.8	994020.9	9940	12.15	-0.02
740333.6	994030.6	9950	11.69	-0.12
740331.3	994040.3	9960	12.21	-0.49
740329.1	994050.1	9970	12.15	-0.47
740326.8	994059.8	9980	12.02	-0.04
740324.6	994069.6	9990	12.70	-0.13
740322.3	994079.3	10000	12.82	-0.08

LINE 1280

Easting	Northing	Station	Conduct.	In-Phase
740300.4	994077.1	10000	13.15	-0.64
740302.7	994067.4	9990	13.06	-0.10
740304.9	994057.6	9980	12.85	-0.06
740307.2	994047.9	9970	12.73	-0.65
740309.4	994038.2	9960	12.73	-0.14
740311.7	994028.4	9950	12.94	-0.07
740313.9	994018.7	9940	12.88	0.02
740316.2	994008.9	9930	13.00	-0.03
740318.4	993999.2	9920	13.28	-0.64
740320.7	993989.4	9910	13.24	-0.67
740322.9	993979.7	9900	12.33	-0.06
740325.2	993969.9	9890	12.27	0.03
740327.4	993960.2	9880	12.08	-0.54
740329.7	993950.4	9870	11.35	-0.63
740331.9	993940.8	9860	11.11	0.00
740334.2	993931	9850	12.12	-0.59
740336.4	993921.3	9840	13.92	-0.11
740338.7	993911.5	9830	25.42	-0.63
740340.9	993901.8	9820	32.01	-0.59
740343.2	993892	9810	25.60	-0.34
740345.4	993882.3	9800	19.26	0.03
740347.7	993872.5	9790	40.80	-0.63
740349.9	993862.8	9780	50.29	-0.38
740352.2	993853	9770	46.75	-0.16
740354.4	993843.3	9760	38.15	-0.27
740356.7	993833.6	9750	24.26	-0.20
740358.9	993823.8	9740	24.78	-0.17
740361.2	993814.1	9730	47.21	-0.42
740363.4	993804.3	9720	46.39	-0.57
740365.7	993794.6	9710	25.85	-0.11
740367.9	993784.8	9700	11.87	-0.59
740370.2	993775.1	9690	13.12	0.00

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740372.4	993765.3	9680	12.18	-0.58	740487.2	993268.4	9170	11.35	-0.64
740374.7	993755.6	9670	13.73	0.04	740489.4	993258.7	9160	10.86	-0.60
740376.9	993745.9	9660	13.15	-0.56	740491.7	993248.9	9150	10.80	0.00
740379.2	993736.1	9650	14.31	-0.10	740493.9	993239.2	9140	10.53	-0.66
740381.4	993726.4	9640	20.36	-0.46	740496.2	993229.4	9130	10.86	0.00
740383.7	993716.6	9630	29.97	-0.45	740498.4	993219.7	9120	11.02	-0.64
740385.9	993706.9	9620	28.66	-0.20	740500.7	993209.9	9110	9.98	-0.09
740388.2	993697.1	9610	-21.61	-0.07	740502.9	993200.2	9100	10.38	-0.63
740390.4	993687.4	9600	23.56	-0.06	740505.2	993190.4	9090	10.13	-0.65
740392.7	993677.6	9590	37.60	-0.16	740507.4	993180.7	9080	10.59	-0.08
740394.9	993667.9	9580	28.66	-0.06	740509.7	993171	9070	10.19	-0.04
740397.2	993658.2	9570	20.45	-0.10	740511.9	993161.3	9060	10.25	0.01
740399.4	993648.4	9560	17.58	-0.62	740514.2	993151.5	9050	10.83	0.00
740401.7	993638.7	9550	14.95	-0.67	740516.4	993141.8	9040	10.77	0.00
740403.9	993628.9	9540	12.18	-0.07	740518.7	993132	9030	10.16	-0.01
740406.2	993619.2	9530	11.81	-0.58	740520.9	993122.3	9020	10.74	0.02
740408.4	993609.4	9520	11.51	-0.54	740523.2	993112.5	9010	10.77	0.00
740410.7	993599.7	9510	11.63	-0.63	740525.4	993102.8	9000	10.53	0.00
740412.9	993589.9	9500	11.57	-0.62	740527.7	993093	8990	11.08	-0.01
740415.2	993580.2	9490	11.44	-0.62	740529.9	993083.3	8980	10.56	-0.06
740417.4	993570.4	9480	11.44	-0.63	740532.2	993073.6	8970	10.62	-0.42
740419.7	993560.8	9470	11.20	-0.37	740534.4	993063.8	8960	10.62	-0.52
740421.9	993551	9460	11.87	-0.59	740536.7	993054.1	8950	9.89	0.05
740424.2	993541.3	9450	11.93	-0.66	740538.9	993044.3	8940	9.64	0.00
740426.4	993531.5	9440	12.63	-0.66	740541.2	993034.6	8930	9.95	-0.05
740428.7	993521.8	9430	12.97	-0.67	740543.4	993024.8	8920	9.49	-0.69
740430.9	993512	9420	12.45	-0.63	740545.7	993015.1	8910	9.25	-0.57
740433.2	993502.3	9410	12.88	-0.54	740547.9	993005.3	8900	9.16	-0.11
740435.4	993492.5	9400	12.33	0.03	740550.1	992995.6	8890	8.88	0.04
740437.7	993482.8	9390	11.72	0.02	740552.4	992985.8	8880	9.09	-0.65
740439.9	993473	9380	11.05	-0.53	740554.6	992976.1	8870	9.16	-0.68
740442.2	993463.3	9370	11.14	-0.50	740556.9	992966.4	8860	9.16	-0.61
740444.4	993453.6	9360	10.99	-0.42	740559.1	992956.6	8850	9.46	-0.54
740446.7	993443.8	9350	10.89	-0.44	740561.4	992946.9	8840	9.28	-0.53
740448.9	993434.1	9340	11.75	-0.56	740563.6	992937.1	8830	9.77	-0.54
740451.2	993424.3	9330	16.51	-0.61	740565.9	992927.4	8820	10.04	-0.63
740453.4	993414.6	9320	17.64	-0.12	740568.1	992917.6	8810	10.07	-0.02
740455.7	993404.8	9310	13.76	0.01	740570.4	992907.9	8800	9.98	-0.57
740457.9	993395.1	9300	9.52	-0.43	740572.6	992898.1	8790	10.31	-0.68
740460.2	993385.3	9290	10.77	-0.66	740574.9	992888.4	8780	10.44	-0.66
740462.4	993375.6	9280	10.50	-0.58	740577.1	992878.7	8770	10.19	0.04
740464.7	993365.9	9270	10.28	-0.57	740579.4	992868.9	8760	10.62	-0.64
740466.9	993356.1	9260	10.56	-0.68	740581.6	992859.2	8750	10.31	0.02
740469.2	993346.4	9250	10.80	-0.50	740583.9	992849.4	8740	10.59	-0.64
740471.4	993336.6	9240	10.74	-0.58	740586.1	992839.7	8730	10.65	-0.62
740473.7	993326.9	9230	10.77	-0.64	740588.4	992829.9	8720	10.86	0.02
740475.9	993317.1	9220	10.96	-0.65	740590.6	992820.2	8710	11.32	-0.61
740478.2	993307.4	9210	10.59	-0.62	740592.9	992810.4	8700	11.02	-0.45
740480.4	993297.6	9200	10.74	-0.68	740595.1	992800.7	8690	10.93	-0.49
740482.7	993287.9	9190	11.05	-0.57	740597.4	992790.9	8680	11.26	-0.60
740484.9	993278.1	9180	10.96	0.00	740599.6	992781.3	8670	11.26	-0.47

Easting	Northing	Station	Conduct.	In-Phase
740601.9	992771.5	8660	10.68	-0.38
740604.1	992761.8	8650	11.57	-0.57
740606.4	992752	8640	10.80	-0.51
740608.6	992742.3	8630	10.77	-0.51
740610.9	992732.5	8620	10.19	-0.60
740613.1	992722.8	8610	10.83	-0.55
740615.4	992713	8600	10.47	-0.65
740617.6	992703.3	8590	10.50	-0.63
740619.9	992693.5	8580	10.31	-0.51
740622.1	992683.8	8570	10.07	-0.59
740624.4	992674.1	8560	9.98	-0.54
740626.6	992664.3	8550	9.83	-0.35
740628.9	992654.6	8540	9.70	-0.60
740631.1	992644.8	8530	10.13	-0.40
740633.4	992635.1	8520	9.74	0.04
LINE 1300				
740677.1	992639.5	8520	10.04	-0.29
740674.9	992649.3	8530	10.04	-0.28
740672.6	992659	8540	10.50	-0.01
740670.4	992668.8	8550	10.41	-0.07
740668.1	992678.5	8560	10.13	-0.29
740665.9	992688.3	8570	10.31	-0.33
740663.6	992698	8580	9.89	-0.40
740661.4	992707.8	8590	10.31	-0.48
740659.1	992717.4	8600	10.59	-0.52
740656.9	992727.2	8610	10.56	-0.50
740654.6	992736.9	8620	10.74	-0.46
740652.4	992746.7	8630	11.02	-0.39
740650.1	992756.4	8640	11.05	-0.40
740647.9	992766.2	8650	10.74	-0.31
740645.6	992775.9	8660	10.53	-0.45
740643.4	992785.7	8670	10.96	-0.38
740641.1	992795.4	8680	10.68	-0.41
740638.9	992805.2	8690	10.89	-0.27
740636.6	992814.9	8700	10.50	-0.40
740634.4	992824.6	8710	10.83	-0.43
740632.1	992834.4	8720	11.14	-0.34
740629.9	992844.1	8730	10.86	-0.37
740627.6	992853.9	8740	10.80	-0.46
740625.4	992863.6	8750	10.80	-0.48
740623.1	992873.4	8760	10.74	-0.34
740620.9	992883.1	8770	10.56	-0.43
740618.6	992892.9	8780	10.74	-0.12
740616.4	992902.6	8790	10.89	-0.30
740614.1	992912.3	8800	10.68	-0.40
740611.9	992922.1	8810	10.65	-0.32
740609.6	992931.8	8820	10.47	-0.36
740607.4	992941.6	8830	10.47	-0.13
740605.1	992951.3	8840	10.56	-0.25
740602.9	992961.1	8850	9.86	-0.37
740600.6	992970.8	8860	10.01	-0.34

Easting	Northing	Station	Conduct.	In-Phase
740598.4	992980.6	8870	9.95	-0.27
740596.1	992990.3	8880	9.95	-0.48
740593.9	993000.1	8890	9.74	-0.32
740591.6	993009.8	8900	9.67	-0.45
740589.4	993019.5	8910	9.86	-0.39
740587.1	993029.3	8920	10.16	-0.36
740584.9	993039	8930	10.04	-0.49
740582.6	993048.8	8940	11.20	-0.27
740580.4	993058.5	8950	11.35	-0.53
740578.1	993068.3	8960	11.72	-0.56
740575.9	993078	8970	11.75	-0.46
740573.6	993087.8	8980	11.75	-0.43
740571.4	993097.5	8990	11.54	-0.57
740569.1	993107.2	9000	11.23	-0.55
740566.9	993116.9	9010	10.99	-0.53
740564.6	993126.7	9020	11.11	-0.54
740562.4	993136.4	9030	10.74	-0.47
740560.1	993146.2	9040	10.96	-0.49
740557.9	993155.9	9050	10.96	-0.55
740555.6	993165.7	9060	10.80	-0.57
740553.4	993175.4	9070	10.80	-0.55
740551.1	993185.2	9080	11.35	-0.37
740548.9	993194.9	9090	11.51	-0.34
740546.6	993204.6	9100	11.14	-0.42
740544.4	993214.4	9110	11.02	-0.37
740542.1	993224.1	9120	11.72	-0.43
740539.9	993233.9	9130	11.29	-0.45
740537.6	993243.6	9140	11.08	-0.41
740535.4	993253.4	9150	11.44	-0.34
740533.1	993263.1	9160	11.38	-0.31
740530.9	993272.9	9170	11.75	-0.32
740528.6	993282.6	9180	11.08	-0.51
740526.4	993292.4	9190	11.32	-0.47
740524.1	993302.1	9200	10.53	-0.54
740521.9	993311.8	9210	11.11	-0.13
740519.6	993321.6	9220	10.68	-0.41
740517.4	993331.3	9230	10.62	-0.39
740515.1	993341.1	9240	10.31	-0.20
740512.9	993350.8	9250	10.35	-0.24
740510.6	993360.6	9260	10.68	-0.23
740508.4	993370.3	9270	10.13	-0.45
740506.1	993380.1	9280	10.62	-0.39
740503.9	993389.8	9290	10.99	-0.39
740501.6	993399.5	9300	9.89	-0.45
740499.4	993409.3	9310	9.86	-0.25
740497.1	993419	9320	10.07	-0.21
740494.9	993428.8	9330	10.28	-0.23
740492.6	993438.5	9340	10.35	-0.20
740490.4	993448.3	9350	10.77	-0.25
740488.1	993458	9360	10.44	-0.29
740485.9	993467.8	9370	10.62	-0.41

Easting	Northing	Station	Conduct.	In-Phase
740483.6	993477.5	9380	10.74	-0.39
740481.4	993487.3	9390	10.31	-0.33
740479.1	993496.9	9400	10.89	-0.20
740476.9	993506.7	9410	11.60	-0.26
740474.6	993516.4	9420	11.87	-0.45
740472.4	993526.2	9430	12.39	-0.47
740470.1	993535.9	9440	12.27	-0.48
740467.9	993545.7	9450	12.42	-0.09
740465.6	993555.4	9460	13.92	-0.27
740463.4	993565.2	9470	22.03	0.03
740461.1	993574.9	9480	32.14	-0.13
740458.9	993584.6	9490	26.86	-0.38
740456.6	993594.4	9500	-6.59	-0.26
740454.4	993604.1	9510	44.34	-0.29
740452.2	993613.9	9520	31.95	0.30
740449.9	993623.6	9530	31.40	-0.18
740447.7	993633.4	9540	19.32	0.12
740445.4	993643.1	9550	16.78	0.00
740443.2	993652.9	9560	16.69	-0.09
740440.9	993662.6	9570	18.04	-0.28
740438.7	993672.4	9580	15.17	-0.48
740436.4	993682.1	9590	12.45	-0.29
740434.2	993691.8	9600	11.51	-0.10
740431.9	993701.6	9610	11.20	-0.41
740429.7	993711.3	9620	11.54	-0.16
740427.4	993721.1	9630	11.14	-0.02
740425.2	993730.8	9640	10.89	-0.27
740422.9	993740.6	9650	11.02	-0.32
740420.7	993750.3	9660	10.68	-0.12
740418.4	993760.1	9670	10.99	-0.14
740416.2	993769.8	9680	11.29	-0.26
740413.9	993779.5	9690	10.89	-0.28
740411.7	993789.3	9700	11.29	-0.37
740409.4	993799	9710	10.93	-0.20
740407.2	993808.8	9720	11.29	-0.20
740404.9	993818.5	9730	11.38	-0.30
740402.7	993828.3	9740	11.72	-0.32
740400.4	993838	9750	12.63	-0.20
740398.2	993847.8	9760	15.59	-0.15
740395.9	993857.5	9770	17.49	-0.39
740393.7	993867.3	9780	19.53	-0.14
740391.4	993876.9	9790	20.78	-0.69
740389.2	993886.7	9800	21.55	-0.61
740386.9	993896.4	9810	23.19	-0.65
740384.7	993906.2	9820	31.52	-0.32
740382.4	993915.9	9830	30.70	-0.35
740380.2	993925.7	9840	15.44	-0.35
740377.9	993935.4	9850	13.18	0.37
740375.7	993945.2	9860	13.49	-0.51
740373.4	993954.9	9870	10.53	-0.28
740371.2	993964.7	9880	10.59	-0.50

Easting	Northing	Station	Conduct.	In-Phase
740368.9	993974.4	9890	11.14	-0.40
740366.7	993984.1	9900	11.20	-0.60
740364.4	993993.9	9910	11.26	-0.18
740362.2	994003.6	9920	12.45	-0.27
740359.9	994013.4	9930	11.84	-0.20
740357.7	994023.1	9940	11.72	-0.25
740355.4	994032.9	9950	12.15	-0.44
740353.2	994042.6	9960	11.75	-0.58
740350.9	994052.4	9970	12.02	-0.54
740348.7	994062.1	9980	11.72	-0.45
740346.4	994071.8	9990	11.51	-0.40
740344.2	994081.6	10000	11.75	-0.11
LINE 1320				
740366	994083.9	10000	11.78	-0.53
740368.3	994074.1	9990	11.29	-0.52
740370.5	994064.4	9980	11.72	-0.57
740372.8	994054.6	9970	15.35	-0.09
740375	994044.9	9960	17.58	-0.16
740377.3	994035.1	9950	9.89	-0.28
740379.5	994025.4	9940	21.42	-0.57
740381.8	994015.6	9930	20.75	-0.03
740384	994005.9	9920	19.07	-0.30
740386.3	993996.2	9910	16.69	-0.07
740388.5	993986.4	9900	11.90	-0.18
740390.8	993976.7	9890	11.87	-0.20
740393	993966.9	9880	11.02	-0.07
740395.3	993957.2	9870	10.77	-0.24
740397.5	993947.4	9860	11.14	-0.26
740399.8	993937.7	9850	11.54	-0.34
740402	993927.9	9840	11.75	-0.26
740404.3	993918.2	9830	11.96	-0.31
740406.5	993908.5	9820	11.87	-0.54
740408.8	993898.8	9810	10.86	-0.01
740411	993889	9800	11.41	-0.13
740413.3	993879.3	9790	11.57	-0.57
740415.5	993869.5	9780	11.51	-0.02
740417.8	993859.8	9770	11.[illegible]	-0.33
740420	993850	9760	11.54	-0.37
740422.3	993840.3	9750	11.96	-0.30
740424.5	993830.5	9740	12.21	-0.38
740426.8	993820.8	9730	12.36	-0.32
740429	993811.1	9720	11.84	-0.25
740431.3	993801.3	9710	11.72	-0.32
740433.5	993791.6	9700	11.47	0.00
740435.8	993781.8	9690	11.20	-0.50
740438	993772.1	9680	10.89	-0.48
740440.3	993762.3	9670	10.62	-0.57
740442.5	993752.6	9660	11.11	0.00
740444.8	993742.8	9650	15.05	-0.09
740447	993733.1	9640	13.64	-0.03
740449.3	993723.3	9630	11.75	-0.55

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740451.5	993713.6	9620	14.19	-0.12	740566.3	993216.7	9110	11.87	-0.03
740453.8	993703.9	9610	20.48	-0.26	740568.5	993206.9	9100	11.69	-0.06
740456	993694.1	9600	27.50	-0.44	740570.8	993197.2	9090	11.99	-0.58
740458.3	993684.4	9590	26.28	-0.07	740573	993187.4	9080	11.78	-0.19
740460.5	993674.6	9580	-21.51	-0.46	740575.3	993177.7	9070	11.51	-0.07
740462.8	993664.9	9570	25.79	-0.44	740577.5	993167.9	9060	11.32	-0.10
740465	993655.1	9560	57.68	-0.29	740579.8	993158.2	9050	11.69	0.00
740467.3	993645.4	9550	46.08	-0.40	740582	993148.4	9040	11.32	-0.14
740469.5	993635.6	9540	41.26	-0.34	740584.3	993138.8	9030	11.02	-0.59
740471.8	993625.9	9530	31.59	-0.33	740586.5	993129	9020	11.38	-0.60
740474	993616.2	9520	26.73	-0.43	740588.8	993119.3	9010	11.35	-0.05
740476.3	993606.4	9510	18.49	-0.35	740591	993109.5	9000	11.87	-0.16
740478.5	993596.7	9500	14.56	-0.54	740593.3	993099.8	8990	11.81	-0.24
740480.8	993586.9	9490	13.06	-0.05	740595.5	993090	8980	11.96	-0.08
740483	993577.2	9480	12.12	-0.39	740597.8	993080.3	8970	12.15	-0.33
740485.3	993567.4	9470	11.87	-0.40	740600	993070.5	8960	11.87	-0.02
740487.5	993557.7	9460	11.20	-0.01	740602.3	993060.8	8950	11.51	-0.21
740489.8	993547.9	9450	10.77	-0.45	740604.5	993051	8940	11.66	0.00
740492	993538.2	9440	10.99	-0.58	740606.8	993041.3	8930	10.65	-0.59
740494.3	993528.4	9430	11.14	-0.54	740609	993031.6	8920	10.93	0.00
740496.5	993518.8	9420	11.14	-0.45	740611.3	993021.8	8910	10.65	-0.48
740498.8	993509	9410	11.11	-0.44	740613.5	993012.1	8900	10.41	-0.57
740501	993499.3	9400	11.14	-0.34	740615.8	993002.3	8890	10.50	-0.49
740503.3	993489.5	9390	10.80	-0.03	740618	992992.6	8880	10.77	-0.43
740505.5	993479.8	9380	11.02	-0.39	740620.3	992982.8	8870	10.44	-0.25
740507.8	993470	9370	10.44	-0.31	740622.5	992973.1	8860	10.83	-0.24
740510	993460.3	9360	11.02	-0.36	740624.8	992963.3	8850	10.41	-0.12
740512.3	993450.5	9350	10.83	-0.22	740627	992953.6	8840	11.02	-0.28
740514.5	993440.8	9340	10.86	-0.49	740629.3	992943.9	8830	10.83	-0.23
740516.8	993431	9330	10.68	0.00	740631.5	992934.1	8820	11.23	-0.48
740519	993421.3	9320	10.77	-0.40	740633.8	992924.4	8810	11.17	-0.14
740521.3	993411.6	9310	10.71	-0.48	740636	992914.6	8800	11.11	-0.03
740523.5	993401.8	9300	10.59	-0.29	740638.3	992904.9	8790	10.80	-0.01
740525.8	993392.1	9290	10.53	-0.48	740640.5	992895.1	8780	11.05	-0.15
740528	993382.3	9280	10.77	-0.42	740642.7	992885.4	8770	10.71	-0.01
740530.3	993372.6	9270	10.41	-0.56	740644.9	992875.6	8760	10.83	-0.37
740532.5	993362.8	9260	11.11	-0.08	740647.2	992865.9	8750	10.96	-0.43
740534.8	993353.1	9250	10.22	-0.54	740649.4	992856.1	8740	11.05	-0.50
740537	993343.3	9240	10.59	-0.44	740651.7	992846.4	8730	10.99	-0.05
740539.3	993333.6	9230	10.77	-0.30	740653.9	992836.7	8720	11.08	-0.36
740541.5	993323.9	9220	10.65	-0.59	740656.2	992826.9	8710	11.05	-0.09
740543.8	993314.1	9210	10.89	-0.50	740658.4	992817.2	8700	11.54	-0.56
740546	993304.4	9200	10.96	-0.50	740660.7	992807.4	8690	11.02	-0.51
740548.3	993294.6	9190	11.14	-0.52	740662.9	992797.7	8680	11.11	-0.04
740550.5	993284.9	9180	11.20	-0.01	740665.2	992787.9	8670	11.05	-0.44
740552.8	993275.1	9170	11.81	-0.08	740667.4	992778.2	8660	11.08	-0.29
740555	993265.4	9160	11.54	-0.19	740669.7	992768.4	8650	10.96	-0.27
740557.3	993255.6	9150	11.81	-0.57	740671.9	992758.7	8640	10.93	-0.57
740559.5	993245.9	9140	11.60	-0.14	740674.2	992749	8630	10.86	-0.38
740561.8	993236.1	9130	11.78	-0.07	740676.4	992739.3	8620	10.68	-0.23
740564	993226.4	9120	12.21	-0.26	740678.7	992729.5	8610	10.65	-0.21

Easting	Northing	Station	Conduct.	In-Phase
740680.9	992719.8	8600	10.62	-0.33
740683.2	992710	8590	10.31	-0.40
740685.4	992700.3	8580	10.19	-0.31
740687.7	992690.5	8570	10.44	-0.31
740689.9	992680.8	8560	10.28	-0.46
740692.2	992671	8550	10.28	-0.57
LINE 1320				
740735.9	992675.5	8550	11.26	-0.05
740733.7	992685.2	8560	11.29	-0.08
740731.4	992694.9	8570	10.59	-0.06
740729.2	992704.7	8580	11.11	-0.60
740726.9	992714.4	8590	11.17	-0.24
740724.7	992724.2	8600	11.11	-0.53
740722.4	992733.9	8610	11.05	-0.03
740720.2	992743.7	8620	11.32	-0.44
740717.9	992753.4	8630	11.63	-0.01
740715.7	992763.2	8640	11.47	-0.57
740713.4	992772.9	8650	12.21	-0.11
740711.2	992782.6	8660	11.41	-0.01
740708.9	992792.4	8670	11.29	-0.02
740706.7	992802.1	8680	11.32	-0.56
740704.4	992811.9	8690	11.29	-0.58
740702.2	992821.6	8700	11.20	-0.53
740699.9	992831.4	8710	11.05	-0.23
740697.7	992841.1	8720	11.60	-0.47
740695.4	992850.9	8730	11.63	-0.53
740693.2	992860.6	8740	11.63	-0.08
740690.9	992870.4	8750	11.38	-0.56
740688.7	992880.1	8760	11.35	-0.14
740686.4	992889.8	8770	11.41	-0.05
740684.2	992899.6	8780	11.32	-0.07
740681.9	992909.3	8790	11.90	-0.51
740679.7	992919.1	8800	11.29	-0.05
740677.4	992928.8	8810	11.29	-0.13
740675.2	992938.6	8820	11.47	-0.59
740672.9	992948.3	8830	11.51	-0.15
740670.7	992958.1	8840	11.63	-0.10
740668.4	992967.8	8850	11.11	-0.02
740666.2	992977.5	8860	11.17	-0.44
740663.9	992987.3	8870	11.23	-0.56
740661.7	992997	8880	10.99	-0.46
740659.4	993006.8	8890	11.20	-0.29
740657.2	993016.5	8900	11.44	-0.38
740654.9	993026.3	8910	11.44	-0.19
740652.7	993036	8920	10.89	-0.39
740650.4	993045.8	8930	11.02	-0.35
740648.2	993055.5	8940	11.81	-0.47
740645.9	993065.2	8950	11.81	-0.58
740643.7	993074.9	8960	11.93	-0.56
740641.4	993084.7	8970	11.81	0.00
740639.2	993094.4	8980	11.99	-0.04

Easting	Northing	Station	Conduct.	In-Phase
740636.9	993104.2	8990	12.30	-0.55
740634.7	993113.9	9000	12.18	-0.02
740632.4	993123.7	9010	12.57	-0.45
740630.2	993133.4	9020	12.33	-0.11
740627.9	993143.2	9030	12.76	-0.12
740625.7	993152.9	9040	12.33	-0.01
740623.4	993162.6	9050	12.27	-0.01
740621.2	993172.4	9060	11.93	-0.22
740618.9	993182.1	9070	11.96	-0.28
740616.7	993191.9	9080	12.15	-0.57
740614.4	993201.6	9090	11.93	0.00
740612.2	993211.4	9100	12.08	-0.04
740609.9	993221.1	9110	12.21	-0.49
740607.7	993230.9	9120	12.08	-0.52
740605.4	993240.6	9130	12.33	-0.18
740603.2	993250.4	9140	11.93	-0.55
740600.9	993260.1	9150	12.27	-0.41
740598.7	993269.8	9160	12.27	-0.57
740596.4	993279.6	9170	11.78	-0.56
740594.2	993289.3	9180	12.33	-0.44
740591.9	993299.1	9190	11.51	-0.50
740589.7	993308.8	9200	11.63	-0.52
740587.4	993318.6	9210	10.99	-0.57
740585.2	993328.3	9220	10.89	-0.40
740582.9	993338.1	9230	10.89	-0.47
740580.7	993347.8	9240	10.74	-0.54
740578.4	993357.5	9250	10.35	-0.54
740576.2	993367.3	9260	10.28	-0.46
740573.9	993377	9270	10.89	-0.22
740571.7	993386.8	9280	10.59	-0.08
740569.4	993396.5	9290	11.20	-0.12
740567.2	993406.3	9300	12.82	-0.40
740564.9	993416	9310	13.18	-0.17
740562.7	993425.8	9320	11.87	-0.23
740560.4	993435.5	9330	11.72	-0.01
740558.2	993445.3	9340	12.21	-0.55
740555.9	993454.9	9350	12.21	-0.58
740553.7	993464.7	9360	11.63	-0.49
740551.4	993474.4	9370	14.19	-0.50
740549.2	993484.2	9380	13.76	-0.51
740546.9	993493.9	9390	13.43	-0.14
740544.8	993503.7	9400	13.73	-0.44
740542.5	993513.4	9410	12.15	-0.45
740540.3	993523.2	9420	12.15	-0.41
740538	993532.9	9430	14.13	-0.56
740535.8	993542.7	9440	12.12	-0.04
740533.5	993552.4	9450	12.15	-0.36
740531.3	993562.1	9460	11.02	-0.54
740529	993571.9	9470	11.35	-0.50
740526.8	993581.6	9480	11.51	-0.40
740524.5	993591.4	9490	11.66	-0.55

Easting	Northing	Station	Conduct.	In-Phase
740522.3	993601.1	9500	11.32	-0.53
740520	993610.9	9510	11.41	-0.06
740517.8	993620.6	9520	11.44	-0.41
740515.5	993630.4	9530	11.81	-0.36
740513.3	993640.1	9540	15.75	-0.44
740511	993649.8	9550	13.28	-0.34
740508.8	993659.6	9560	12.82	-0.33
740506.5	993669.3	9570	12.24	-0.30
740504.3	993679.1	9580	11.63	-0.28
740502	993688.8	9590	12.27	-0.57
740499.8	993698.6	9600	13.43	-0.48
740497.5	993708.3	9610	13.55	-0.56
740495.3	993718.1	9620	12.91	-0.53
740493	993727.8	9630	12.51	-0.01
740490.8	993737.6	9640	12.51	-0.45
740488.5	993747.3	9650	10.71	-0.54
740486.3	993757	9660	10.50	-0.31
740484	993766.8	9670	10.53	-0.16
740481.8	993776.5	9680	9.89	-0.31
740479.5	993786.3	9690	10.38	-0.30
740477.3	993796	9700	10.50	-0.38
740475	993805.8	9710	10.38	-0.43
740472.8	993815.5	9720	10.44	-0.44
740470.5	993825.3	9730	10.89	-0.44
740468.3	993835	9740	11.17	-0.26
740466	993844.7	9750	11.32	-0.14
740463.8	993854.4	9760	11.17	-0.31
740461.5	993864.2	9770	11.35	-0.49
740459.3	993873.9	9780	11.35	-0.59
740457	993883.7	9790	11.69	-0.34
740454.8	993893.4	9800	11.69	-0.43
740452.5	993903.2	9810	11.57	-0.37
740450.3	993912.9	9820	11.75	-0.46
740448	993922.7	9830	12.30	-0.42
740445.8	993932.4	9840	12.76	-0.38
740443.5	993942.1	9850	10.16	-0.39
740441.3	993951.9	9860	11.51	-0.34
740439	993961.6	9870	11.87	-0.45
740436.8	993971.4	9880	11.60	-0.32
740434.5	993981.1	9890	12.15	-0.41
740432.3	993990.9	9900	11.23	-0.46
740430	994000.6	9910	11.57	-0.53
740427.8	994010.4	9920	12.82	-0.54
740425.5	994020.1	9930	15.75	-0.55
740423.3	994029.9	9940	19.93	-0.03
740421	994039.6	9950	31.49	-0.34
740418.8	994049.3	9960	23.50	-0.05
740416.5	994059.1	9970	13.52	-0.56
740414.3	994068.8	9980	15.29	-0.04
740412	994078.6	9990	12.54	-0.57
740409.8	994088.3	10000	11.26	-0.31

Easting	Northing	Station	Conduct.	In-Phase
LINE 1340				
740387.9	994086.1	10000	11.84	-0.23
740390.1	994076.3	9990	11.32	-0.14
740392.4	994066.6	9980	12.39	-0.05
740394.6	994056.8	9970	15.56	-0.07
740396.9	994047.1	9960	29.75	-0.41
740399.1	994037.3	9950	32.20	-0.40
740401.4	994027.6	9940	31.92	-0.46
740403.6	994017.8	9930	32.23	-0.10
740405.9	994008.1	9920	27.71	-0.25
740408.1	993998.3	9910	13.00	-0.57
740410.4	993988.6	9900	11.69	-0.50
740412.6	993978.9	9890	11.93	-0.49
740414.9	993969.1	9880	10.53	-0.47
740417.1	993959.4	9870	10.83	-0.39
740419.4	993949.6	9860	11.44	-0.34
740421.6	993939.9	9850	11.02	-0.36
740423.9	993930.1	9840	10.96	-0.40
740426.1	993920.4	9830	11.14	-0.40
740428.4	993910.6	9820	11.35	-0.21
740430.6	993900.9	9810	10.99	-0.42
740432.9	993891.2	9800	11.20	-0.50
740435.1	993881.4	9790	11.41	-0.40
740437.4	993871.7	9780	11.29	-0.54
740439.6	993861.9	9770	11.23	-0.40
740441.9	993852.2	9760	13.40	-0.34
740444.1	993842.4	9750	20.66	-0.30
740446.4	993832.7	9740	22.67	-0.54
740448.6	993822.9	9730	9.37	-0.35
740450.9	993813.2	9720	12.76	-0.53
740453.1	993803.4	9710	11.84	-0.51
740455.4	993793.8	9700	11.29	-0.30
740457.6	993784	9690	10.62	-0.32
740459.9	993774.3	9680	10.47	-0.31
740462.1	993764.5	9670	11.23	-0.39
740464.4	993754.8	9660	16.20	-0.57
740466.6	993745	9650	[illegible]	-0.02
740468.9	993735.3	9640	[illegible]	-0.55
740471.1	993725.5	9630	11.26	-0.50
740473.4	993715.8	9620	12.15	-0.31
740475.6	993706	9610	12.48	-0.42
740477.9	993696.3	9600	13.09	-0.56
740480.1	993686.6	9590	14.16	-0.43
740482.4	993676.8	9580	14.19	-0.41
740484.6	993667.1	9570	14.07	-0.41
740486.9	993657.3	9560	14.07	-0.30
740489.1	993647.6	9550	13.49	-0.44
740491.4	993637.8	9540	13.06	-0.35
740493.6	993628.1	9530	12.63	-0.31
740495.9	993618.3	9520	12.36	-0.28
740498.1	993608.6	9510	11.75	-0.47

Easting	Northing	Station	Conduct.	In-Phase
740500.4	993598.9	9500	11.54	-0.31
740502.6	993589.1	9490	11.26	-0.33
740504.9	993579.4	9480	11.05	-0.41
740507.1	993569.6	9470	10.83	-0.41
740509.4	993559.9	9460	10.96	-0.17
740511.6	993550.1	9450	10.68	-0.23
740513.9	993540.4	9440	10.74	-0.22
740516.1	993530.6	9430	11.08	-0.31
740518.4	993520.9	9420	10.80	-0.19
740520.6	993511.1	9410	11.08	-0.28
740522.9	993501.4	9400	10.80	-0.33
740525.1	993491.7	9390	11.78	-0.52
740527.4	993481.9	9380	14.19	-0.03
740529.6	993472.2	9370	15.35	-0.01
740531.9	993462.4	9360	17.12	-0.60
740534.1	993452.7	9350	20.72	0.00
740536.4	993442.9	9340	25.85	-0.16
740538.6	993433.2	9330	13.67	-0.14
740540.9	993423.4	9320	15.66	-0.11
740543.1	993413.7	9310	6.96	-0.55
740545.4	993404	9300	10.65	-0.47
740547.6	993394.3	9290	10.68	-0.45
740549.9	993384.5	9280	10.28	-0.38
740552.1	993374.8	9270	9.95	-0.49
740554.4	993365	9260	11.02	-0.38
740556.6	993355.3	9250	10.13	-0.54
740558.9	993345.5	9240	10.59	-0.27
740561.1	993335.8	9230	10.25	-0.39
740563.4	993326	9220	10.80	-0.04
740565.6	993316.3	9210	10.62	-0.45
740567.9	993306.6	9200	10.96	-0.40
740570.1	993296.8	9190	11.41	-0.56
740572.4	993287.1	9180	11.29	-0.40
740574.6	993277.3	9170	12.21	-0.22
740576.9	993267.6	9160	11.78	-0.38
740579.1	993257.8	9150	11.84	-0.47
740581.4	993248.1	9140	11.90	-0.19
740583.6	993238.3	9130	11.84	-0.29
740585.9	993228.6	9120	11.81	-0.52
740588.1	993218.9	9110	11.78	-0.47
740590.4	993209.1	9100	11.90	-0.47
740592.6	993199.4	9090	11.90	-0.02
740594.9	993189.6	9080	11.99	-0.47
740597.1	993179.9	9070	11.72	-0.59
740599.4	993170.1	9060	11.69	-0.45
740601.6	993160.4	9050	11.96	-0.50
740603.9	993150.6	9040	11.90	-0.59
740606.1	993140.9	9030	11.72	-0.44
740608.4	993131.1	9020	12.02	-0.47
740610.6	993121.4	9010	12.08	-0.44
740612.9	993111.7	9000	12.60	-0.59
740615.1	993101.9	8990	12.30	-0.03
740617.4	993092.2	8980	12.45	-0.57
740619.6	993082.4	8970	11.81	-0.07
740621.9	993072.7	8960	12.18	-0.32
740624.1	993062.9	8950	11.54	-0.47
740626.4	993053.2	8940	11.08	-0.57
740628.6	993043.4	8930	10.99	-0.04
740630.9	993033.7	8920	11.17	-0.04
740633.1	993024	8910	10.62	-0.53
740635.4	993014.3	8900	11.26	-0.56
740637.6	993004.5	8890	11.14	-0.34
740639.9	992994.8	8880	11.02	-0.51
740642.1	992985	8870	11.23	-0.41
740644.4	992975.3	8860	10.93	-0.36
740646.6	992965.5	8850	11.02	-0.46
740648.8	992955.8	8840	11.26	-0.03
740651.1	992946	8830	11.29	-0.55
740653.3	992936.3	8820	11.69	-0.07
740655.6	992926.6	8810	11.41	-0.45
740657.8	992916.8	8800	11.20	-0.47
740660.1	992907.1	8790	11.23	-0.01
740662.3	992897.3	8780	11.02	-0.57
740664.6	992887.6	8770	11.11	-0.57
740666.8	992877.8	8760	11.17	-0.38
740669.1	992868.1	8750	11.17	-0.04
740671.3	992858.3	8740	10.93	-0.47
740673.6	992848.6	8730	11.44	-0.54
740675.8	992838.8	8720	11.35	-0.57
740678.1	992829.1	8710	11.51	-0.07
740680.3	992819.4	8700	11.26	-0.20
740682.6	992809.6	8690	11.63	-0.34
740684.8	992799.9	8680	11.17	-0.50
740687.1	992790.1	8670	11.23	-0.40
740689.3	992780.4	8660	11.11	-0.27
740691.6	992770.6	8650	10.99	-0.24
740693.8	992760.9	8640	10.62	-0.30
740696.1	992751.1	8630	10.56	-0.28
740698.3	992741.4	8620	10.83	-0.39
740700.6	992731.7	8610	11.32	-0.41
740702.8	992721.9	8600	10.74	-0.47
740705.1	992712.2	8590	10.62	-0.10
740707.3	992702.4	8580	11.11	-0.59
740709.6	992692.7	8570	10.16	-0.04
740711.8	992682.9	8560	10.68	-0.45
740714.1	992673.2	8550	10.62	-0.52
740716.3	992663.4	8540	10.71	-0.42
740718.6	992653.7	8530	10.65	-0.37
740720.8	992643.9	8520	10.77	-0.35
LINE 1360				
740764.5	992648.5	8520	10.93	-0.42
740762.3	992658.3	8530	11.23	-0.59

Easting	Northing	Station	Conduct.	In-Phase
740760	992668	8540	11.11	-0.47
740757.8	992677.8	8550	11.20	0.00
740755.5	992687.5	8560	11.35	-0.58
740753.3	992697.3	8570	11.26	-0.03
740751	992707	8580	10.71	-0.58
740748.8	992716.7	8590	11.14	-0.48
740746.5	992726.4	8600	11.38	-0.59
740744.3	992736.2	8610	11.35	-0.14
740742	992745.9	8620	11.32	-0.39
740739.8	992755.7	8630	11.66	-0.40
740737.5	992765.4	8640	9.80	-0.44
740735.3	992775.2	8650	12.82	-0.40
740733.1	992784.9	8660	15.53	-0.49
740730.8	992794.7	8670	13.18	-0.38
740728.6	992804.4	8680	11.35	-0.26
740726.3	992814.1	8690	11.23	-0.58
740724.1	992823.9	8700	11.51	-0.34
740721.8	992833.6	8710	11.84	-0.54
740719.6	992843.4	8720	12.30	-0.16
740717.3	992853.1	8730	12.02	-0.39
740715.1	992862.9	8740	11.99	-0.47
740712.8	992872.6	8750	12.27	-0.51
740710.6	992882.4	8760	12.24	-0.50
740708.3	992892.1	8770	12.15	-0.35
740706.1	992901.9	8780	12.15	-0.45
740703.8	992911.6	8790	12.30	-0.39
740701.6	992921.3	8800	11.96	-0.55
740699.3	992931.1	8810	11.87	-0.50
740697.1	992940.8	8820	12.24	-0.34
740694.8	992950.6	8830	11.54	-0.33
740692.6	992960.3	8840	11.57	-0.33
740690.3	992970.1	8850	11.20	-0.41
740688.1	992979.8	8860	11.54	-0.43
740685.8	992989.6	8870	10.83	-0.45
740683.6	992999.3	8880	11.11	0.00
740681.3	993009	8890	11.35	-0.37
740679.1	993018.8	8900	11.51	-0.38
740676.8	993028.5	8910	11.29	-0.37
740674.6	993038.3	8920	12.02	-0.36
740672.3	993048	8930	11.81	-0.25
740670.1	993057.8	8940	11.51	-0.48
740667.8	993067.5	8950	12.12	-0.47
740665.6	993077.3	8960	12.24	-0.28
740663.3	993087	8970	12.30	-0.36
740661.1	993096.8	8980	12.48	-0.35
740658.8	993106.4	8990	12.45	-0.43
740656.6	993116.2	9000	12.30	-0.39
740654.3	993125.9	9010	12.48	-0.35
740652.1	993135.7	9020	12.51	-0.52
740649.8	993145.4	9030	12.73	-0.35
740647.6	993155.2	9040	12.73	-0.53

Easting	Northing	Station	Conduct.	In-Phase
740645.3	993164.9	9050	12.48	-0.44
740643.1	993174.7	9060	12.51	-0.30
740640.8	993184.4	9070	12.42	-0.32
740638.6	993194.2	9080	11.93	-0.24
740636.3	993203.9	9090	12.05	-0.27
740634.1	993213.6	9100	11.84	-0.34
740631.8	993223.4	9110	11.84	-0.36
740629.6	993233.1	9120	11.99	-0.47
740627.3	993242.9	9130	12.08	-0.51
740625.1	993252.6	9140	12.12	-0.35
740622.8	993262.4	9150	12.33	-0.31
740620.6	993272.1	9160	12.27	-0.49
740618.3	993281.9	9170	11.99	-0.29
740616.1	993291.6	9180	11.90	-0.28
740613.8	993301.3	9190	11.69	-0.33
740611.6	993311.1	9200	11.54	-0.20
740609.3	993320.8	9210	10.86	-0.38
740607.1	993330.6	9220	11.14	-0.42
740604.8	993340.3	9230	11.11	-0.40
740602.6	993350.1	9240	11.17	-0.33
740600.3	993359.8	9250	11.05	-0.46
740598.1	993369.6	9260	10.74	-0.28
740595.8	993379.3	9270	11.17	-0.11
740593.6	993389.1	9280	11.32	-0.42
740591.3	993398.8	9290	12.30	-0.17
740589.1	993408.5	9300	13.12	-0.31
740586.8	993418.3	9310	15.47	-0.46
740584.6	993428	9320	16.33	-0.43
740582.3	993437.8	9330	11.05	-0.25
740580.1	993447.5	9340	10.80	-0.38
740577.8	993457.3	9350	11.29	-0.26
740575.6	993467	9360	11.11	-0.46
740573.3	993476.8	9370	11.57	-0.44
740571.1	993486.5	9380	11.38	-0.37
740568.8	993496.2	9390	11.54	-0.11
740566.6	993505.9	9400	15.20	-0.24
740564.3	993515.7	9410	19.17	-0.41
740562.1	993525.4	9420	15.87	-0.36
740559.8	993535.2	9430	10.35	-0.10
740557.6	993544.9	9440	11.51	-0.21
740555.3	993554.7	9450	11.63	-0.46
740553.1	993564.4	9460	12.15	-0.40
740550.8	993574.2	9470	12.60	-0.23
740548.6	993583.9	9480	14.13	-0.18
740546.3	993593.6	9490	11.47	-0.12
740544.1	993603.4	9500	12.54	-0.24
740541.8	993613.1	9510	11.23	-0.15
740539.6	993622.9	9520	11.90	-0.44
740537.3	993632.6	9530	12.45	-0.18
740535.1	993642.4	9540	14.77	-0.50
740532.8	993652.1	9550	16.05	-0.21

Easting	Northing	Station	Conduct.	In-Phase
740530.6	993661.9	9560	16.36	-0.24
740528.3	993671.6	9570	15.23	-0.31
740526.1	993681.4	9580	15.62	-0.35
740523.8	993691.1	9590	15.29	-0.25
740521.6	993700.8	9600	14.40	-0.15
740519.3	993710.6	9610	15.29	-0.29
740517.1	993720.3	9620	13.73	-0.46
740514.8	993730.1	9630	12.88	-0.19
740512.6	993739.8	9640	12.15	-0.15
740510.3	993749.6	9650	11.90	-0.15
740508.1	993759.3	9660	12.36	-0.25
740505.8	993769.1	9670	10.68	-0.15
740503.6	993778.8	9680	10.25	-0.45
740501.3	993788.5	9690	9.64	-0.25
740499.1	993798.3	9700	10.35	-0.13
740496.8	993808	9710	10.01	-0.20
740494.6	993817.8	9720	10.22	-0.28
740492.3	993827.5	9730	10.25	-0.43
740490.1	993837.3	9740	10.47	-0.37
740487.8	993847	9750	10.59	-0.37
740485.6	993856.8	9760	10.86	-0.33
740483.3	993866.5	9770	11.11	-0.34
740481.1	993876.2	9780	11.17	-0.40
740478.8	993885.9	9790	11.29	-0.10
740476.6	993895.7	9800	11.47	-0.49
740474.3	993905.4	9810	12.42	-0.49
740472.1	993915.2	9820	12.12	-0.11
740469.8	993924.9	9830	11.60	-0.17
740467.6	993934.7	9840	11.75	-0.22
740465.3	993944.4	9850	11.51	-0.30
740463.1	993954.2	9860	11.11	-0.11
740460.8	993963.9	9870	11.66	-0.34
740458.6	993973.6	9880	10.56	-0.11
740456.3	993983.4	9890	11.44	-0.18
740454.1	993993.1	9900	11.63	-0.23
740451.8	994002.9	9910	11.14	-0.10
740449.6	994012.6	9920	6.77	-0.45
740447.3	994022.4	9930	18.92	-0.24
740445.1	994032.1	9940	14.80	-0.46
740442.9	994041.9	9950	15.11	-0.25
740440.6	994051.6	9960	25.42	-0.01
740438.4	994061.4	9970	29.45	-0.14
740436.1	994071.1	9980	-0.09	-0.10
740433.9	994080.8	9990	6.32	-0.38
740431.6	994090.6	10000	11.75	-0.37
LINE 1380				
740453.4	994092.9	10000	13.18	-0.21
740455.7	994083.1	9990	13.95	-0.32
740457.9	994073.4	9980	15.23	-0.22
740460.2	994063.6	9970	14.80	-0.11
740462.4	994053.9	9960	15.35	-0.30
740464.7	994044.1	9950	15.90	-0.19
740466.9	994034.4	9940	13.28	-0.45
740469.2	994024.6	9930	12.73	-0.37
740471.4	994014.9	9920	12.82	-0.31
740473.7	994005.2	9910	13.03	-0.42
740475.9	993995.4	9900	12.70	-0.47
740478.2	993985.7	9890	11.78	-0.47
740480.4	993975.9	9880	11.41	-0.12
740482.7	993966.2	9870	10.83	-0.38
740484.9	993956.4	9860	11.29	-0.14
740487.2	993946.7	9850	11.47	-0.31
740489.4	993936.9	9840	11.44	-0.24
740491.7	993927.2	9830	10.83	-0.10
740493.9	993917.4	9820	11.23	-0.48
740496.2	993907.8	9810	12.05	-0.23
740498.4	993898	9800	13.73	-0.28
740500.7	993888.3	9790	15.72	-0.22
740502.9	993878.5	9780	9.55	-0.21
740505.2	993868.8	9770	6.07	-0.32
740507.4	993859	9760	10.96	-0.49
740509.7	993849.3	9750	11.99	-0.11
740511.9	993839.5	9740	11.75	-0.44
740514.2	993829.8	9730	11.17	-0.43
740516.4	993820	9720	10.93	-0.46
740518.7	993810.3	9710	10.89	-0.19
740520.9	993800.6	9700	11.08	-0.10
740523.2	993790.8	9690	12.85	-0.12
740525.4	993781.1	9680	14.40	-0.49
740527.7	993771.3	9670	16.72	-0.16
740529.9	993761.6	9660	24.26	-0.38
740532.2	993751.8	9650	39.40	-0.32
740534.4	993742.1	9640	64.58	-0.84
740536.7	993732.3	9630	68.79	-0.49
740538.9	993722.6	9620	68.51	-0.58
740541.2	993712.9	9610	-8.48	-0.22
740543.4	993703.1	9600	7.84	-0.15
740545.7	993693.4	9590	36.38	-0.42
740547.9	993683.6	9580	42.11	-0.18
740550.2	993673.9	9570	36.62	-0.17
740552.4	993664.1	9560	14.98	-0.48
740554.7	993654.4	9550	14.16	-0.10
740556.9	993644.6	9540	13.64	-0.20
740559.2	993634.9	9530	12.54	-0.45
740561.4	993625.1	9520	12.82	-0.44
740563.7	993615.4	9510	12.42	-0.41
740565.9	993605.7	9500	12.66	-0.29
740568.2	993595.9	9490	12.30	-0.27
740570.4	993586.2	9480	12.33	-0.16
740572.7	993576.4	9470	12.27	-0.20
740574.9	993566.7	9460	11.84	-0.27
740577.2	993556.9	9450	12.18	-0.12

Easting	Northing	Station	Conduct.	In-Phase
740579.4	993547.2	9440	11.38	-0.19
740581.7	993537.4	9430	12.05	-0.18
740583.9	993527.7	9420	12.42	-0.40
740586.2	993518	9410	12.02	-0.23
740588.4	993508.3	9400	12.12	-0.17
740590.7	993498.5	9390	13.76	-0.19
740592.9	993488.8	9380	13.58	-0.26
740595.2	993479	9370	12.33	-0.11
740597.4	993469.3	9360	13.67	-0.25
740599.7	993459.5	9350	18.65	-0.38
740601.9	993449.8	9340	26.49	-0.34
740604.2	993440	9330	22.09	-0.43
740606.4	993430.3	9320	17.36	-0.17
740608.7	993420.6	9310	9.67	-0.33
740610.9	993410.8	9300	12.08	-0.26
740613.2	993401.1	9290	12.48	-0.31
740615.4	993391.3	9280	12.39	-0.38
740617.7	993381.6	9270	11.87	-0.23
740619.9	993371.8	9260	11.35	-0.31
740622.2	993362.1	9250	11.26	-0.22
740624.4	993352.3	9240	11.69	-0.18
740626.7	993342.6	9230	11.63	-0.25
740628.9	993332.9	9220	11.60	-0.26
740631.2	993323.1	9210	11.14	-0.29
740633.4	993313.4	9200	11.47	-0.34
740635.6	993303.6	9190	11.63	-0.34
740637.9	993293.9	9180	11.93	-0.42
740640.1	993284.1	9170	12.24	-0.38
740642.4	993274.4	9160	12.15	-0.30
740644.6	993264.6	9150	12.27	-0.30
740646.9	993254.9	9140	12.24	-0.17
740649.1	993245.1	9130	12.63	-0.10
740651.4	993235.4	9120	12.27	-0.17
740653.6	993225.7	9110	11.96	-0.27
740655.9	993215.9	9100	12.45	-0.14
740658.1	993206.2	9090	12.15	-0.17
740660.4	993196.4	9080	12.05	-0.35
740662.6	993186.7	9070	12.21	-0.31
740664.9	993176.9	9060	12.36	-0.32
740667.1	993167.2	9050	12.30	-0.33
740669.4	993157.4	9040	11.99	-0.31
740671.6	993147.7	9030	11.93	-0.23
740673.9	993138	9020	12.85	-0.40
740676.1	993128.3	9010	12.51	-0.29
740678.4	993118.5	9000	12.73	-0.32
740680.6	993108.8	8990	12.51	-0.33
740682.9	993099	8980	12.51	-0.41
740685.1	993089.3	8970	12.39	-0.34
740687.4	993079.5	8960	12.24	-0.34
740689.6	993069.8	8950	12.33	-0.21
740691.9	993060	8940	12.57	-0.24

Easting	Northing	Station	Conduct.	In-Phase
740694.1	993050.3	8930	12.33	-0.27
740696.4	993040.6	8920	12.05	-0.32
740698.6	993030.8	8910	12.42	-0.32
740700.9	993021.1	8900	12.60	-0.10
740703.1	993011.3	8890	12.27	-0.26
740705.4	993001.6	8880	12.24	-0.24
740707.6	992991.8	8870	11.90	-0.27
740709.9	992982.1	8860	11.69	-0.26
740712.1	992972.3	8850	12.18	-0.25
740714.4	992962.6	8840	11.87	-0.37
740716.6	992952.8	8830	12.21	-0.27
740718.9	992943.1	8820	13.24	-0.40
740721.1	992933.4	8810	12.85	-0.30
740723.4	992923.6	8800	12.24	-0.25
740725.6	992913.9	8790	11.81	-0.35
740727.9	992904.1	8780	11.87	-0.34
740730.1	992894.4	8770	12.24	-0.25
740732.4	992884.6	8760	11.96	-0.38
740734.6	992874.9	8750	12.21	-0.36
740736.9	992865.1	8740	12.36	-0.37
740739.1	992855.4	8730	12.48	-0.32
740741.4	992845.7	8720	12.27	-0.29
740743.6	992835.9	8710	12.08	-0.33
740745.9	992826.2	8700	11.57	-0.33
740748.1	992816.4	8690	12.33	-0.24
740750.4	992806.7	8680	11.63	-0.41
740752.6	992796.9	8670	11.54	-0.41
740754.9	992787.2	8660	11.96	-0.35
740757.1	992777.4	8650	12.48	-0.39
740759.4	992767.7	8640	12.33	-0.38
740761.6	992757.9	8630	11.69	-0.37
740763.9	992748.3	8620	12.15	-0.34
740766.1	992738.5	8610	12.54	-0.42
740768.4	992728.8	8600	11.60	-0.32
LINE 1400				
740789.6	992830.6	8700	11.35	-0.34
740787.4	992840.4	8710	11.69	-0.32
740785.1	992850.1	8720	11.90	-0.24
740782.9	992859.9	8730	11.72	-0.22
740780.6	992869.6	8740	12.27	-0.16
740778.4	992879.3	8750	13.67	-0.30
740776.1	992889.1	8760	15.87	-0.26
740773.9	992898.8	8770	13.06	-0.28
740771.6	992908.6	8780	13.31	-0.28
740769.4	992918.3	8790	12.88	-0.24
740767.1	992928.1	8800	11.84	-0.20
740764.9	992937.8	8810	22.03	-0.47
740762.6	992947.6	8820	23.90	-0.41
740760.4	992957.3	8830	13.43	-0.21
740758.1	992967.1	8840	12.76	-0.26
740755.9	992976.8	8850	12.42	-0.24

Easting	Northing	Station	Conduct.	In-Phase
740753.6	992986.5	8860	12.63	-0.30
740751.4	992996.3	8870	12.18	-0.22
740749.1	993006	8880	12.05	-0.13
740746.9	993015.8	8890	12.08	-0.13
740744.6	993025.5	8900	14.13	-0.46
740742.4	993035.3	8910	13.28	-0.28
740740.1	993045	8920	12.24	-0.17
740737.9	993054.8	8930	11.75	-0.44
740735.6	993064.5	8940	16.39	-0.47
740733.4	993074.2	8950	15.96	-0.37
740731.1	993083.9	8960	12.39	-0.21
740728.9	993093.7	8970	7.63	-0.41
740726.6	993103.4	8980	13.46	-0.16
740724.4	993113.2	8990	14.25	-0.18
740722.1	993122.9	9000	13.40	-0.49
740719.9	993132.7	9010	6.81	-0.31
740717.6	993142.4	9020	11.23	-0.37
740715.4	993152.2	9030	12.57	-0.25
740713.1	993161.9	9040	11.66	-0.23
740710.9	993171.6	9050	11.72	-0.12
740708.6	993181.4	9060	11.54	-0.18
740706.4	993191.1	9070	12.12	-0.21
740704.1	993200.9	9080	12.05	-0.20
740701.9	993210.6	9090	11.66	-0.19
740699.6	993220.4	9100	11.87	-0.21
740697.4	993230.1	9110	12.24	-0.14
740695.1	993239.9	9120	12.30	-0.13
740692.9	993249.6	9130	12.05	-0.46
740690.6	993259.3	9140	11.90	-0.11
740688.4	993269.1	9150	11.99	-0.16
740686.1	993278.8	9160	12.02	-0.12
740683.9	993288.6	9170	12.15	-0.49
740681.6	993298.3	9180	11.96	-0.47
740679.4	993308.1	9190	11.84	-0.18
740677.1	993317.8	9200	12.42	-0.14
740674.9	993327.6	9210	13.95	-0.18
740672.6	993337.3	9220	12.02	-0.15
740670.4	993347.1	9230	11.60	-0.15
740668.1	993356.8	9240	11.47	-0.11
740665.9	993366.5	9250	11.75	-0.13
740663.6	993376.3	9260	11.26	-0.16
740661.4	993386	9270	11.96	-0.18
740659.1	993395.8	9280	11.99	-0.44
740656.9	993405.5	9290	12.36	-0.46
740654.6	993415.3	9300	12.36	-0.31
740652.4	993425	9310	12.36	-0.19
740650.1	993434.8	9320	12.54	-0.19
740647.9	993444.5	9330	12.88	-0.25
740645.6	993454.2	9340	13.89	-0.18
740643.4	993463.9	9350	14.40	-0.14
740641.1	993473.7	9360	14.65	-0.43

Easting	Northing	Station	Conduct.	In-Phase
740638.9	993483.4	9370	14.74	-0.14
740636.6	993493.2	9380	17.09	-0.41
740634.4	993502.9	9390	19.32	-0.47
740632.1	993512.7	9400	21.24	-0.26
740629.9	993522.4	9410	19.71	-0.05
740627.6	993532.2	9420	15.56	-0.44
740625.4	993541.9	9430	11.84	-0.24
740623.1	993551.6	9440	7.78	-0.43
740620.9	993561.4	9450	10.19	-0.17
740618.6	993571.1	9460	13.89	-0.18
740616.4	993580.9	9470	17.24	-0.30
740614.1	993590.6	9480	24.29	-0.50
740611.9	993600.4	9490	21.76	-0.38
740609.6	993610.1	9500	12.57	-0.20
740607.4	993619.9	9510	8.09	-0.12
740605.1	993629.6	9520	31.13	-0.57
740602.9	993639.4	9530	31.95	-0.44
740600.6	993649.1	9540	24.44	-0.21
740598.4	993658.8	9550	17.30	-0.28
740596.1	993668.6	9560	7.75	-0.11
740593.9	993678.3	9570	17.27	-0.20
740591.6	993688.1	9580	21.76	-0.37
740589.4	993697.8	9590	24.87	-0.30
740587.1	993707.6	9600	21.76	-0.30
740584.9	993717.3	9610	17.94	-0.36
740582.6	993727.1	9620	15.96	-0.15
740580.4	993736.8	9630	14.59	-0.28
740578.1	993746.5	9640	13.24	-0.12
740575.9	993756.3	9650	12.48	-0.31
740573.6	993766	9660	12.60	-0.18
740571.4	993775.8	9670	13.15	-0.10
740569.1	993785.5	9680	14.47	-0.29
740566.9	993795.3	9690	17.00	-0.34
740564.6	993805	9700	12.76	-0.15
740562.4	993814.8	9710	12.60	-0.16
740560.1	993824.5	9720	12.60	-0.15
740557.9	993834.3	9730	11.96	-0.49
740555.6	993843.9	9740	12.39	-0.41
740553.4	993853.7	9750	12.88	-0.48
740551.1	993863.4	9760	13.28	-0.40
740548.9	993873.2	9770	13.85	-0.28
740546.6	993882.9	9780	13.18	-0.21
740544.4	993892.7	9790	9.52	-0.46
740542.1	993902.4	9800	35.55	-0.02
740539.9	993912.2	9810	4.88	-0.15
740537.7	993921.9	9820	6.47	-0.39
740535.4	993931.7	9830	17.06	-0.26
740533.2	993941.4	9840	10.71	-0.46
740530.9	993951.1	9850	11.08	-0.21
740528.7	993960.9	9860	10.99	-0.35
740526.4	993970.6	9870	10.47	-0.45

Easting	Northing	Station	Conduct.	In-Phase
740524.2	993980.4	9880	10.65	-0.42
740521.9	993990.1	9890	10.99	-0.46
740519.7	993999.9	9900	11.14	-0.22
740517.4	994009.6	9910	12.15	-0.21
740515.2	994019.4	9920	11.87	-0.25
740512.9	994029.1	9930	11.81	-0.45
740510.7	994038.8	9940	12.45	-0.20
740508.4	994048.6	9950	11.90	-0.11
740506.2	994058.3	9960	11.60	-0.46
740503.9	994068.1	9970	11.23	-0.14
740501.7	994077.8	9980	11.60	-0.15
740499.4	994087.6	9990	11.90	-0.41
740497.2	994097.3	10000	12.08	-0.41
LINE 1420				
740475.3	994095	10000	13.03	-0.28
740477.6	994085.3	9990	12.85	-0.18
740479.8	994075.6	9980	12.33	-0.18
740482.1	994065.8	9970	11.93	-0.22
740484.3	994056.1	9960	12.33	-0.35
740486.6	994046.3	9950	11.57	-0.40
740488.8	994036.6	9940	12.30	-0.15
740491.1	994026.8	9930	11.93	-0.19
740493.3	994017.1	9920	12.02	-0.46
740495.6	994007.3	9910	12.21	-0.31
740497.8	993997.6	9900	11.78	-0.29
740500.1	993987.9	9890	11.17	-0.19
740502.3	993978.1	9880	10.93	-0.13
740504.6	993968.4	9870	10.62	-0.47
740506.8	993958.6	9860	11.14	-0.11
740509.1	993948.9	9850	10.68	-0.49
740511.3	993939.1	9840	10.80	-0.46
740513.6	993929.4	9830	11.20	-0.15
740515.8	993919.6	9820	11.96	-0.11
740518.1	993909.9	9810	13.21	-0.24
740520.3	993900.1	9800	15.93	-0.27
740522.6	993890.4	9790	19.26	-0.24
740524.8	993880.7	9780	32.32	-0.42
740527.1	993870.9	9770	46.87	-0.54
740529.3	993861.2	9760	-25.15	-0.66
740531.6	993851.4	9750	-4.18	-0.23
740533.8	993841.7	9740	-19.10	-0.64
740536.1	993831.9	9730	6.56	-0.40
740538.3	993822.2	9720	12.85	-0.28
740540.6	993812.4	9710	11.08	-0.19
740542.8	993802.7	9700	13.70	-0.38
740545.1	993793	9690	11.69	-0.34
740547.3	993783.3	9680	0.18	-0.62
740549.6	993773.5	9670	9.74	-0.44
740551.8	993763.8	9660	19.10	-0.27
740554.1	993754	9650	23.53	-0.49
740556.3	993744.3	9640	18.25	-0.41
740558.6	993734.5	9630	16.57	-0.21
740560.8	993724.8	9620	16.30	-0.28
740563.1	993715	9610	15.84	-0.21
740565.3	993705.3	9600	14.68	-0.48
740567.6	993695.6	9590	13.34	-0.46
740569.8	993685.8	9580	13.03	-0.46
740572.1	993676.1	9570	13.28	-0.12
740574.3	993666.3	9560	12.88	-0.46
740576.6	993656.6	9550	12.57	-0.31
740578.8	993646.8	9540	12.51	-0.46
740581.1	993637.1	9530	12.36	-0.38
740583.3	993627.3	9520	12.51	-0.44
740585.6	993617.6	9510	14.25	-0.46
740587.8	993607.9	9500	14.71	-0.31
740590.1	993598.1	9490	13.95	-0.10
740592.3	993588.4	9480	13.64	-0.16
740594.6	993578.6	9470	13.92	-0.10
740596.8	993568.9	9460	14.04	-0.49
740599.1	993559.1	9450	13.46	-0.15
740601.3	993549.4	9440	12.94	-0.26
740603.6	993539.6	9430	13.55	-0.49
740605.8	993529.9	9420	14.47	-0.18
740608.1	993520.1	9410	16.17	-0.22
740610.3	993510.4	9400	6.20	-0.45
740612.6	993500.7	9390	27.59	-0.08
740614.8	993490.9	9380	33.45	-0.05
740617.1	993481.2	9370	30.61	-0.10
740619.3	993471.4	9360	40.86	-0.18
740621.6	993461.7	9350	2.93	-0.18
740623.8	993451.9	9340	5.95	-0.13
740626.1	993442.2	9330	24.93	-0.39
740628.3	993432.4	9320	20.36	-0.33
740630.6	993422.7	9310	15.47	-0.21
740632.8	993413	9300	12.76	-0.14
740635.1	993403.3	9290	12.36	-0.14
740637.3	993393.5	9280	12.18	-0.17
740639.5	993383.8	9270	12.21	-0.18
740641.8	993374	9260	11.26	-0.46
740644	993364.3	9250	11.17	-0.17
740646.3	993354.5	9240	11.60	-0.23
740648.5	993344.8	9230	11.75	-0.32
740650.8	993335	9220	11.93	-0.26
740653	993325.3	9210	11.66	-0.19
740655.3	993315.6	9200	11.93	-0.15
740657.5	993305.8	9190	11.66	-0.22
740659.8	993296.1	9180	11.66	-0.23
740662	993286.3	9170	11.66	-0.22
740664.3	993276.6	9160	11.96	-0.13
740666.5	993266.8	9150	11.99	-0.21
740668.8	993257.1	9140	11.99	-0.18
740671	993247.3	9130	11.99	-0.41

Easting	Northing	Station	Conduct.	In-Phase
740673.3	993237.6	9120	12.15	-0.24
740675.5	993227.8	9110	12.39	-0.44
740677.8	993218.1	9100	11.87	-0.46
740680	993208.4	9090	11.38	-0.29
740682.3	993198.6	9080	11.81	-0.17
740684.5	993188.9	9070	11.35	-0.15
740686.8	993179.1	9060	11.84	-0.41
740689	993169.4	9050	11.99	-0.47
740691.3	993159.6	9040	12.02	-0.25
740693.5	993149.9	9030	12.05	-0.30
740695.8	993140.1	9020	12.30	-0.12
740698	993130.4	9010	11.96	-0.28
740700.3	993120.7	9000	12.30	-0.20
740702.5	993110.9	8990	12.54	-0.26
740704.8	993101.2	8980	12.57	-0.24
740707	993091.4	8970	13.34	-0.21
740709.3	993081.7	8960	13.03	-0.21
740711.5	993071.9	8950	13.34	-0.23
740713.8	993062.2	8940	12.79	-0.24
740716	993052.4	8930	12.54	-0.36
740718.3	993042.7	8920	13.64	-0.14
740720.5	993032.9	8910	13.61	-0.49
740722.8	993023.3	8900	12.63	-0.11
740725	993013.5	8890	13.24	-0.20
740727.3	993003.8	8880	13.00	-0.26
740729.5	992994	8870	12.33	-0.43
740731.8	992984.3	8860	11.78	-0.27
740734	992974.5	8850	12.51	-0.16
740736.3	992964.8	8840	12.30	-0.24
740738.5	992955	8830	12.73	-0.41
740740.8	992945.3	8820	13.03	-0.32
740743	992935.5	8810	13.03	-0.43
740745.3	992925.8	8800	13.28	-0.30
740747.5	992916.1	8790	12.63	-0.36
740749.8	992906.3	8780	12.79	-0.26
740752	992896.6	8770	12.39	-0.18
740754.3	992886.8	8760	12.33	-0.43
740756.5	992877.1	8750	11.75	-0.13
740758.8	992867.3	8740	12.05	-0.14
740761	992857.6	8730	12.12	-0.19
740763.3	992847.8	8720	11.78	-0.23
740765.5	992838.1	8710	12.08	-0.18
740767.8	992828.4	8700	11.84	-0.15
740770	992818.6	8690	11.26	-0.15
740772.3	992808.9	8680	11.57	-0.28
740774.5	992799.1	8670	11.78	-0.26
740776.8	992789.4	8660	11.72	-0.30
740779	992779.6	8650	11.47	-0.19
740781.3	992769.9	8640	11.26	-0.13
740783.5	992760.1	8630	11.81	-0.19
740785.8	992750.4	8620	11.47	-0.13
740788	992740.6	8610	11.54	-0.25
740790.3	992730.9	8600	11.54	-0.49
740792.5	992721.2	8590	11.38	-0.28
740794.8	992711.4	8580	11.41	-0.33
740797	992701.7	8570	11.20	-0.32
740799.3	992691.9	8560	11.26	-0.21
740801.5	992682.2	8550	11.41	-0.37
740803.8	992672.4	8540	11.57	-0.51
740806	992662.7	8530	10.93	-0.31
740808.3	992652.9	8520	11.32	-0.15
LINE 1440				
740851.9	992657.5	8520	11.96	-0.14
740849.7	992667.3	8530	11.57	-0.39
740847.4	992677	8540	11.51	-0.40
740845.2	992686.8	8550	10.99	-0.32
740842.9	992696.5	8560	11.17	-0.56
740840.7	992706.3	8570	11.44	-0.16
740838.4	992716	8580	11.32	-0.22
740836.2	992725.7	8590	11.41	-0.42
740833.9	992735.4	8600	11.47	-0.42
740831.7	992745.2	8610	11.72	-0.28
740829.4	992754.9	8620	11.93	-0.20
740827.2	992764.7	8630	11.87	-0.53
740824.9	992774.4	8640	11.87	-0.45
740822.7	992784.2	8650	11.69	-0.38
740820.4	992793.9	8660	11.75	-0.37
740818.2	992803.7	8670	11.81	-0.27
740815.9	992813.4	8680	11.72	-0.31
740813.7	992823.1	8690	11.54	-0.31
740811.4	992832.9	8700	11.47	-0.28
740809.2	992842.6	8710	9.58	-0.24
740806.9	992852.4	8720	11.78	-0.22
740804.7	992862.1	8730	11.93	-0.26
740802.4	992871.9	8740	11.66	-0.35
740800.2	992881.6	8750	11.38	-0.21
740797.9	992891.4	8760	11.99	-0.29
740795.7	992901.1	8770	[illegible]	-0.42
740793.4	992910.8	8780	[illegible]	-0.30
740791.2	992920.6	8790	15.20	-0.40
740788.9	992930.3	8800	18.77	-0.53
740786.7	992940.1	8810	15.72	-0.51
740784.4	992949.8	8820	16.78	-0.36
740782.2	992959.6	8830	14.07	-0.36
740779.9	992969.3	8840	12.94	-0.28
740777.7	992979.1	8850	12.70	-0.33
740775.4	992988.8	8860	12.36	-0.37
740773.2	992998.6	8870	12.08	-0.46
740770.9	993008.3	8880	14.95	-0.34
740768.7	993018	8890	23.16	-0.55
740766.4	993027.8	8900	22.19	-0.08
740764.2	993037.5	8910	17.82	-0.52

Easting	Northing	Station	Conduct.	In-Phase
740761.9	993047.3	8920	16.91	-0.39
740759.7	993057	8930	14.89	-0.45
740757.4	993066.8	8940	12.85	-0.24
740755.2	993076.5	8950	12.76	-0.27
740752.9	993086.3	8960	13.15	-0.28
740750.7	993096	8970	13.40	-0.39
740748.4	993105.7	8980	12.54	-0.36
740746.2	993115.4	8990	12.79	-0.47
740743.9	993125.2	9000	13.40	-0.23
740741.7	993134.9	9010	12.36	-0.28
740739.4	993144.7	9020	12.12	-0.18
740737.2	993154.4	9030	12.57	-0.39
740734.9	993164.2	9040	12.33	-0.43
740732.7	993173.9	9050	11.72	-0.34
740730.4	993183.7	9060	11.20	-0.26
740728.2	993193.4	9070	11.26	-0.30
740726	993203.1	9080	11.81	-0.22
740723.8	993212.9	9090	11.75	-0.39
740721.5	993222.6	9100	11.63	-0.26
740719.3	993232.4	9110	10.65	-0.20
740717	993242.1	9120	11.51	-0.33
740714.8	993251.9	9130	11.69	-0.14
740712.5	993261.6	9140	12.15	-0.31
740710.3	993271.4	9150	12.12	-0.20
740708	993281.1	9160	11.54	-0.19
740705.8	993290.9	9170	11.96	-0.40
740703.5	993300.6	9180	12.18	-0.43
740701.3	993310.3	9190	12.12	-0.50
740699	993320.1	9200	11.78	-0.29
740696.8	993329.8	9210	11.84	-0.29
740694.5	993339.6	9220	12.27	-0.32
740692.3	993349.3	9230	12.02	-0.32
740690	993359.1	9240	12.18	-0.36
740687.8	993368.8	9250	12.02	-0.32
740685.5	993378.6	9260	11.41	-0.31
740683.3	993388.3	9270	12.08	-0.19
740681	993398	9280	12.02	-0.25
740678.8	993407.8	9290	11.87	-0.27
740676.5	993417.5	9300	11.72	-0.29
740674.3	993427.3	9310	11.96	-0.18
740672	993437	9320	12.45	-0.35
740669.8	993446.8	9330	12.70	-0.33
740667.5	993456.5	9340	12.36	-0.33
740665.3	993466.3	9350	12.45	-0.19
740663	993476	9360	12.63	-0.24
740660.8	993485.8	9370	12.66	-0.29
740658.5	993495.4	9380	12.94	-0.21
740656.3	993505.2	9390	14.07	-0.24
740654	993514.9	9400	18.13	-0.49
740651.8	993524.7	9410	17.70	-0.54
740649.5	993534.4	9420	14.34	-0.31

Easting	Northing	Station	Conduct.	In-Phase
740647.3	993544.2	9430	12.60	-0.29
740645	993553.9	9440	12.48	-0.22
740642.8	993563.7	9450	12.79	-0.17
740640.5	993573.4	9460	13.31	-0.21
740638.3	993583.2	9470	14.56	-0.33
740636	993592.9	9480	14.01	-0.13
740633.8	993602.6	9490	10.19	-0.38
740631.5	993612.4	9500	16.48	-0.45
740629.3	993622.1	9510	12.94	-0.42
740627	993631.9	9520	14.89	-0.39
740624.8	993641.6	9530	17.06	-0.50
740622.5	993651.4	9540	18.71	-0.33
740620.3	993661.1	9550	20.69	-0.44
740618	993670.9	9560	23.16	-0.42
740615.8	993680.6	9570	28.72	-0.37
740613.5	993690.3	9580	18.74	-0.35
740611.3	993700.1	9590	15.26	-0.19
740609	993709.8	9600	15.81	-0.35
740606.8	993719.6	9610	16.85	-0.30
740604.5	993729.3	9620	41.84	-0.83
740602.3	993739.1	9630	40.65	-0.50
740600	993748.8	9640	29.05	-0.11
740597.8	993758.6	9650	13.43	-0.41
740595.5	993768.3	9660	10.74	-0.46
740593.3	993778.1	9670	0.82	-0.19
740591	993787.8	9680	9.92	-0.29
740588.8	993797.5	9690	35.71	-0.27
740586.5	993807.3	9700	39.09	-0.03
740584.3	993817	9710	30.55	-0.56
740582	993826.8	9720	21.85	-0.38
740579.8	993836.5	9730	17.46	-0.10
740577.5	993846.3	9740	14.86	-0.11
740575.3	993856	9750	13.21	-0.22
740573	993865.8	9760	12.60	-0.14
740570.8	993875.5	9770	12.57	-0.47
740568.5	993885.2	9780	12.24	-0.15
740566.3	993894.9	9790	12.08	-0.40
740564	993904.7	9800	11.84	-0.26
740561.8	993914.4	9810	11.90	-0.26
740559.5	993924.2	9820	12.05	-0.24
740557.3	993933.9	9830	11.38	-0.18
740555	993943.7	9840	11.54	-0.22
740552.8	993953.4	9850	12.12	-0.14
740550.5	993963.2	9860	10.62	-0.12
740548.3	993972.9	9870	10.22	-0.34
740546	993982.6	9880	10.77	-0.24
740543.8	993992.4	9890	10.93	-0.18
740541.5	994002.1	9900	10.74	-0.15
740539.3	994011.9	9910	11.11	-0.26
740537	994021.6	9920	11.90	-0.18
740534.8	994031.4	9930	13.24	-0.42

Easting	Northing	Station	Conduct.	In-Phase
740532.5	994041.1	9940	12.30	-0.46
740530.3	994050.9	9950	11.57	-0.32
740528	994060.6	9960	11.44	-0.18
740525.8	994070.4	9970	11.08	-0.35
740523.5	994080.1	9980	12.15	-0.31
740521.3	994089.8	9990	10.86	-0.23
740519	994099.6	10000	11.14	-0.31
LINE 1460				
740540.9	994101.8	10000	11.11	-0.40
740543.1	994092	9990	11.11	-0.35
740545.4	994082.3	9980	10.86	-0.31
740547.6	994072.5	9970	11.35	-0.25
740549.9	994062.8	9960	10.83	-0.53
740552.1	994053.1	9950	10.80	-0.50
740554.4	994043.3	9940	10.96	-0.24
740556.6	994033.6	9930	11.29	-0.38
740558.9	994023.8	9920	11.47	-0.38
740561.1	994014.1	9910	11.08	-0.43
740563.4	994004.3	9900	11.44	-0.47
740565.6	993994.6	9890	11.11	-0.32
740567.9	993984.8	9880	11.41	-0.32
740570.1	993975.1	9870	10.56	-0.20
740572.4	993965.3	9860	10.22	-0.36
740574.6	993955.6	9850	10.99	-0.40
740576.9	993945.9	9840	10.68	-0.44
740579.1	993936.1	9830	11.29	-0.47
740581.4	993926.4	9820	12.21	-0.49
740583.6	993916.6	9810	13.95	-0.24
740585.9	993906.9	9800	17.91	-0.21
740588.1	993897.1	9790	20.29	-0.50
740590.4	993887.4	9780	22.37	-0.51
740592.6	993877.6	9770	23.10	-0.41
740594.9	993867.9	9760	21.21	-0.37
740597.1	993858.2	9750	21.06	-0.41
740599.4	993848.4	9740	27.16	-0.56
740601.6	993838.7	9730	50.17	-0.63
740603.9	993828.9	9720	29.85	-0.06
740606.1	993819.2	9710	107.36	-0.92
740608.4	993809.4	9700	55.24	-0.49
740610.6	993799.7	9690	40.53	-0.66
740612.9	993789.9	9680	43.06	-0.40
740615.1	993780.2	9670	29.79	-0.44
740617.4	993770.4	9660	12.05	-0.40
740619.6	993760.8	9650	12.48	-0.42
740621.9	993751	9640	12.66	-0.52
740624.1	993741.3	9630	13.64	-0.56
740626.4	993731.5	9620	14.31	-0.50
740628.6	993721.8	9610	13.43	-0.48
740630.9	993712	9600	13.09	-0.49
740633.1	993702.3	9590	12.39	-0.48
740635.4	993692.5	9580	12.27	-0.19

Easting	Northing	Station	Conduct.	In-Phase
740637.6	993682.8	9570	13.03	0.00
740639.9	993673	9560	12.97	-0.50
740642.1	993663.3	9550	12.60	-0.46
740644.4	993653.6	9540	12.91	-0.51
740646.6	993643.8	9530	12.88	-0.42
740648.9	993634.1	9520	12.51	-0.21
740651.1	993624.3	9510	12.70	-0.26
740653.4	993614.6	9500	14.13	-0.53
740655.6	993604.8	9490	16.33	-0.46
740657.9	993595.1	9480	13.03	-0.14
740660.1	993585.3	9470	12.60	-0.15
740662.4	993575.6	9460	13.12	-0.43
740664.6	993565.9	9450	12.30	-0.19
740666.9	993556.1	9440	12.54	-0.33
740669.1	993546.4	9430	12.73	-0.40
740671.4	993536.6	9420	13.03	-0.31
740673.6	993526.9	9410	13.49	-0.41
740675.9	993517.1	9400	12.79	-0.34
740678.1	993507.4	9390	12.79	-0.56
740680.4	993497.6	9380	13.52	-0.52
740682.6	993487.9	9370	13.37	-0.48
740684.9	993478.1	9360	12.48	-0.34
740687.1	993468.4	9350	11.87	-0.32
740689.4	993458.7	9340	12.08	-0.12
740691.6	993448.9	9330	12.33	0.00
740693.9	993439.2	9320	12.66	-0.54
740696.1	993429.4	9310	12.60	-0.47
740698.4	993419.7	9300	12.82	-0.45
740700.6	993409.9	9290	13.49	-0.47
740702.9	993400.2	9280	12.45	-0.13
740705.1	993390.4	9270	11.84	-0.53
740707.4	993380.7	9260	10.83	-0.01
740709.6	993371	9250	11.69	-0.16
740711.9	993361.3	9240	11.87	-0.50
740714.1	993351.5	9230	13.95	-0.40
740716.4	993341.8	9220	11.44	-0.05
740718.6	993332	9210	11.63	-0.07
740720.9	993322.3	9200	11.75	-0.11
740723.1	993312.5	9190	11.60	-0.12
740725.4	993302.8	9180	11.99	-0.06
740727.6	993293	9170	11.08	-0.59
740729.9	993283.3	9160	11.51	-0.15
740732.1	993273.6	9150	11.54	-0.54
740734.3	993263.8	9140	11.38	-0.34
740736.6	993254.1	9130	11.23	-0.05
740738.8	993244.3	9120	11.14	-0.45
740741.1	993234.6	9110	11.51	0.00
740743.3	993224.8	9100	11.54	-0.03
740745.6	993215.1	9090	11.14	-0.56
740747.8	993205.3	9080	11.35	-0.19
740750.1	993195.6	9070	11.32	-0.06

Easting	Northing	Station	Conduct.	In-Phase
740752.3	993185.8	9060	12.21	-0.54
740754.6	993176.1	9050	12.36	-0.03
740756.8	993166.4	9040	12.21	-0.08
740759.1	993156.6	9030	13.76	-0.20
740761.3	993146.9	9020	13.40	-0.15
740763.6	993137.1	9010	13.82	-0.13
740765.8	993127.4	9000	16.02	-0.31
740768.1	993117.6	8990	18.34	-0.57
740770.3	993107.9	8980	21.61	-0.58
740772.6	993098.1	8970	25.33	-0.50
740774.8	993088.4	8960	28.66	-0.06
740777.1	993078.7	8950	34.58	-0.06
740779.3	993068.9	8940	51.33	-0.29
740781.6	993059.2	8930	56.12	-0.43
740783.8	993049.4	8920	-1.19	-0.41
740786.1	993039.7	8910	17.30	-0.08
740788.3	993029.9	8900	39.46	-0.61
740790.6	993020.2	8890	40.19	-0.91
740792.8	993010.4	8880	15.84	-0.07
740795.1	993000.7	8870	14.59	-0.14
740797.3	992991	8860	13.37	-0.22
740799.6	992981.3	8850	12.27	-0.04
740801.8	992971.5	8840	12.42	-0.57
740804.1	992961.8	8830	13.21	-0.51
740806.3	992952	8820	14.31	-0.01
740808.6	992942.3	8810	29.85	-0.55
740810.8	992932.5	8800	12.15	-0.56
740813.1	992922.8	8790	16.60	-0.11
740815.3	992913	8780	18.59	-0.20
740817.6	992903.3	8770	16.54	-0.15
740819.8	992893.6	8760	15.47	-0.58
740822.1	992883.8	8750	14.68	-0.11
740824.3	992874.1	8740	12.79	-0.54
740826.6	992864.3	8730	11.63	-0.45
740828.8	992854.6	8720	11.47	-0.40
740831.1	992844.8	8710	11.26	-0.48
740833.3	992835.1	8700	11.84	-0.58
740835.6	992825.3	8690	11.69	-0.34
740837.8	992815.6	8680	11.78	-0.42
740840.1	992805.8	8670	11.57	-0.11
740842.3	992796.1	8660	11.51	-0.37
740844.6	992786.4	8650	11.63	-0.59
740846.8	992776.6	8640	11.78	-0.49
740849.1	992766.9	8630	11.41	-0.45
740851.3	992757.1	8620	11.99	-0.46
740853.6	992747.4	8610	11.81	-0.43
740855.8	992737.6	8600	11.69	-0.55
740858.1	992727.9	8590	11.57	-0.53
740860.3	992718.1	8580	11.38	-0.24
740862.6	992708.4	8570	11.44	-0.47
740864.8	992698.7	8560	11.17	-0.01

Easting	Northing	Station	Conduct.	In-Phase
740867.1	992688.9	8550	11.08	-0.06
LINE 1480				
740910.8	992693.4	8550	11.32	-0.09
740908.5	992703.2	8560	10.80	-0.02
740906.3	992712.9	8570	11.14	-0.43
740904	992722.7	8580	11.63	-0.06
740901.8	992732.4	8590	11.84	-0.24
740899.5	992742.2	8600	11.57	-0.35
740897.3	992751.9	8610	12.24	-0.34
740895	992761.7	8620	12.15	-0.38
740892.8	992771.4	8630	12.42	-0.43
740890.5	992781.1	8640	11.84	0.00
740888.3	992790.9	8650	12.51	-0.31
740886	992800.6	8660	13.40	-0.23
740883.8	992810.4	8670	11.99	-0.54
740881.5	992820.1	8680	11.51	-0.48
740879.3	992829.9	8690	11.78	-0.46
740877	992839.6	8700	12.02	-0.05
740874.8	992849.4	8710	12.45	-0.35
740872.5	992859.1	8720	11.78	-0.56
740870.3	992868.9	8730	11.96	-0.59
740868	992878.6	8740	12.15	0.00
740865.8	992888.3	8750	11.93	-0.52
740863.5	992898.1	8760	12.15	-0.22
740861.3	992907.8	8770	12.79	-0.48
740859	992917.6	8780	12.60	-0.44
740856.8	992927.3	8790	12.94	-0.60
740854.5	992937.1	8800	13.34	-0.46
740852.3	992946.8	8810	13.82	-0.09
740850	992956.6	8820	13.15	-0.47
740847.8	992966.3	8830	14.07	-0.55
740845.5	992976	8840	13.76	-0.51
740843.3	992985.8	8850	13.09	-0.36
740841	992995.5	8860	12.76	-0.04
740838.8	993005.3	8870	12.57	-0.56
740836.5	993015	8880	13.79	-0.25
740834.3	993024.8	8890	18[illegible]	-0.52
740832	993034.5	8900	42.[illegible]	-0.21
740829.8	993044.3	8910	59.30	-0.42
740827.5	993054	8920	59.33	-0.17
740825.3	993063.8	8930	-33.63	-0.56
740823	993073.4	8940	91.95	-0.03
740820.8	993083.2	8950	64.30	-0.61
740818.6	993092.9	8960	49.16	-0.17
740816.3	993102.7	8970	36.83	-0.43
740814.1	993112.4	8980	29.85	-0.13
740811.8	993122.2	8990	24.75	-0.45
740809.6	993131.9	9000	22.74	-0.46
740807.3	993141.7	9010	21.12	-0.43
740805.1	993151.4	9020	20.81	-0.50
740802.8	993161.2	9030	21.70	-0.53

Easting	Northing	Station	Conduct.	In-Phase
740800.6	993170.9	9040	21.88	-0.51
740798.3	993180.6	9050	21.61	-0.59
740796.1	993190.4	9060	24.08	-0.57
740793.8	993200.1	9070	26.03	-0.58
740791.6	993209.9	9080	15.20	-0.04
740789.3	993219.6	9090	11.84	-0.06
740787.1	993229.4	9100	13.31	-0.26
740784.8	993239.1	9110	18.49	-0.42
740782.6	993248.9	9120	13.64	-0.21
740780.3	993258.6	9130	11.32	-0.05
740778.1	993268.3	9140	11.72	-0.34
740775.8	993278.1	9150	11.51	-0.01
740773.6	993287.8	9160	11.84	-0.49
740771.3	993297.6	9170	11.29	-0.10
740769.1	993307.3	9180	11.54	-0.53
740766.8	993317.1	9190	11.96	-0.56
740764.6	993326.8	9200	12.51	-0.59
740762.3	993336.6	9210	12.27	-0.41
740760.1	993346.3	9220	12.08	-0.24
740757.8	993356.1	9230	11.17	-0.43
740755.6	993365.8	9240	11.47	0.00
740753.3	993375.5	9250	11.63	-0.58
740751.1	993385.3	9260	11.57	-0.54
740748.8	993395	9270	11.66	-0.13
740746.6	993404.8	9280	12.42	-0.45
740744.3	993414.5	9290	16.05	-0.59
740742.1	993424.3	9300	24.90	-0.24
740739.8	993434	9310	20.14	-0.08
740737.6	993443.8	9320	14.62	-0.35
740735.3	993453.5	9330	12.82	-0.03
740733.1	993463.2	9340	12.36	-0.09
740730.8	993472.9	9350	12.05	-0.57
740728.6	993482.7	9360	13.12	-0.27
740726.3	993492.4	9370	13.40	-0.04
740724.1	993502.2	9380	12.73	-0.21
740721.8	993511.9	9390	12.73	-0.08
740719.6	993521.7	9400	12.94	-0.48
740717.3	993531.4	9410	12.79	-0.03
740715.1	993541.2	9420	12.73	-0.53
740712.8	993550.9	9430	13.03	-0.30
740710.6	993560.6	9440	13.89	-0.44
740708.3	993570.4	9450	12.48	-0.44
740706.1	993580.1	9460	12.70	-0.49
740703.8	993589.9	9470	16.36	-0.28
740701.6	993599.6	9480	16.54	-0.17
740699.3	993609.4	9490	13.76	-0.44
740697.1	993619.1	9500	13.21	-0.12
740694.8	993628.9	9510	12.42	-0.05
740692.6	993638.6	9520	12.63	-0.45
740690.3	993648.3	9530	12.76	-0.02
740688.1	993658.1	9540	12.63	-0.34

Easting	Northing	Station	Conduct.	In-Phase
740685.8	993667.8	9550	12.57	-0.51
740683.6	993677.6	9560	13.37	-0.25
740681.3	993687.3	9570	12.85	-0.32
740679.1	993697.1	9580	12.88	-0.49
740676.8	993706.8	9590	12.94	-0.05
740674.6	993716.6	9600	12.76	-0.11
740672.3	993726.3	9610	12.82	-0.51
740670.1	993736.1	9620	12.66	-0.55
740667.8	993745.8	9630	13.24	-0.49
740665.6	993755.5	9640	12.66	-0.56
740663.3	993765.3	9650	12.57	-0.20
740661.1	993775	9660	12.39	-0.41
740658.8	993784.8	9670	14.13	-0.46
740656.6	993794.5	9680	21.76	-0.45
740654.3	993804.3	9690	26.86	-0.66
740652.1	993814	9700	9.22	-0.51
740649.8	993823.8	9710	14.31	-0.58
740647.6	993833.5	9720	13.40	-0.54
740645.3	993843.2	9730	13.89	-0.10
740643.1	993852.9	9740	15.01	-0.47
740640.8	993862.7	9750	15.11	-0.02
740638.6	993872.4	9760	13.79	-0.52
740636.3	993882.2	9770	23.65	-0.25
740634.1	993891.9	9780	17.73	-0.39
740631.8	993901.7	9790	18.07	-0.51
740629.6	993911.4	9800	0.67	-0.44
740627.3	993921.2	9810	22.28	-0.25
740625.1	993930.9	9820	18.62	-0.04
740622.8	993940.6	9830	19.13	-0.56
740620.6	993950.4	9840	19.13	-0.06
740618.3	993960.1	9850	9.98	-0.41
740616.1	993969.9	9860	10.83	-0.47
740613.8	993979.6	9870	10.93	-0.59
740611.6	993989.4	9880	11.29	-0.07
740609.3	993999.1	9890	11.11	-0.07
740607.1	994008.9	9900	11.63	-0.42
740604.8	994018.6	9910	11.75	-0.51
740602.6	994028.4	9920	12.48	-0.53
740600.3	994038.1	9930	10.96	-0.44
740598.1	994047.8	9940	11.57	-0.03
740595.8	994057.6	9950	12.51	-0.40
740593.6	994067.3	9960	11.57	-0.46
740591.3	994077.1	9970	10.47	-0.23
740589.1	994086.8	9980	10.59	-0.48
740586.8	994096.6	9990	10.80	-0.55
740584.6	994106.3	10000	10.25	-0.45
LINE 1500				
740562.8	994104	10000	10.41	-0.04
740565	994094.3	9990	10.80	-0.15
740567.3	994084.6	9980	10.89	-0.58
740569.5	994074.8	9970	10.47	0.00

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740571.8	994065.1	9960	10.65	-0.03	740686.4	993568.1	9450	12.79	-0.55
740574	994055.3	9950	10.71	-0.25	740688.7	993558.4	9440	12.45	-0.08
740576.3	994045.6	9940	11.99	-0.38	740690.9	993548.6	9430	12.48	-0.44
740578.5	994035.8	9930	11.08	-0.52	740693.2	993538.9	9420	12.45	-0.38
740580.8	994026.1	9920	10.83	-0.47	740695.4	993529.1	9410	12.66	0.00
740583	994016.3	9910	11.87	-0.54	740697.7	993519.4	9400	12.36	-0.40
740585.3	994006.6	9900	12.48	-0.07	740699.9	993509.7	9390	12.73	-0.49
740587.5	993996.8	9890	11.69	-0.06	740702.2	993499.9	9380	12.85	-0.08
740589.8	993987.1	9880	11.63	-0.54	740704.4	993490.2	9370	12.54	-0.59
740592	993977.4	9870	11.47	-0.40	740706.7	993480.4	9360	12.39	-0.47
740594.3	993967.6	9860	10.59	-0.32	740708.9	993470.7	9350	12.12	-0.48
740596.5	993957.9	9850	10.41	-0.54	740711.2	993460.9	9340	12.45	-0.37
740598.8	993948.1	9840	11.51	-0.10	740713.4	993451.2	9330	12.54	-0.39
740601	993938.4	9830	10.47	-0.41	740715.7	993441.4	9320	11.90	-0.41
740603.3	993928.6	9820	16.66	-0.27	740717.9	993431.7	9310	12.60	-0.43
740605.5	993918.9	9810	26.92	-0.39	740720.2	993421.9	9300	13.03	-0.49
740607.8	993909.1	9800	60.24	-0.53	740722.4	993412.3	9290	11.96	-0.38
740610	993899.4	9790	85.27	-0.57	740724.7	993402.5	9280	11.81	-0.59
740612.3	993889.7	9780	37.35	-0.13	740726.9	993392.8	9270	12.12	-0.03
740614.5	993879.9	9770	43.46	-0.28	740729.2	993383	9260	11.57	-0.05
740616.8	993870.2	9760	51.76	-0.27	740731.4	993373.3	9250	11.44	-0.05
740619	993860.4	9750	67.93	-0.55	740733.7	993363.5	9240	11.66	-0.48
740621.3	993850.7	9740	54.44	-0.68	740735.9	993353.8	9230	12.21	-0.52
740623.5	993840.9	9730	21.76	-0.19	740738.2	993344	9220	13.34	-0.12
740625.8	993831.2	9720	24.75	-0.52	740740.4	993334.3	9210	12.60	-0.14
740628	993821.4	9710	22.61	-0.03	740742.7	993324.5	9200	11.99	-0.10
740630.3	993811.7	9700	19.56	-0.54	740744.9	993314.8	9190	11.32	-0.02
740632.4	993802	9690	21.70	-0.15	740747.2	993305.1	9180	12.51	-0.10
740634.7	993792.3	9680	21.45	-0.26	740749.4	993295.3	9170	11.66	-0.43
740636.9	993782.5	9670	14.65	-0.01	740751.7	993285.6	9160	11.78	-0.45
740639.2	993772.8	9660	12.66	-0.15	740753.9	993275.8	9150	11.60	-0.06
740641.4	993763	9650	12.57	-0.46	740756.2	993266.1	9140	11.66	-0.38
740643.7	993753.3	9640	12.88	-0.59	740758.4	993256.3	9130	11.93	-0.24
740645.9	993743.5	9630	12.48	-0.31	740760.7	993246.6	9120	11.72	-0.49
740648.2	993733.8	9620	12.51	-0.58	740762.9	993236.8	9110	12.24	-0.04
740650.4	993724	9610	12.57	-0.19	740765.2	993227.1	9100	12.85	-0.07
740652.7	993714.3	9600	12.82	0.00	740767.4	993217.4	9090	12.91	-0.59
740654.9	993704.6	9590	12.36	-0.09	740769.7	993207.6	9080	12.73	-0.06
740657.2	993694.8	9580	12.18	-0.59	740771.9	993197.9	9070	14.74	-0.20
740659.4	993685.1	9570	12.76	-0.10	740774.2	993188.1	9060	17.85	-0.11
740661.7	993675.3	9560	13.15	-0.04	740776.4	993178.4	9050	22.06	-0.23
740663.9	993665.6	9550	13.28	-0.52	740778.7	993168.6	9040	22.52	-0.11
740666.2	993655.8	9540	12.57	-0.12	740780.9	993158.9	9030	28.69	-0.04
740668.4	993646.1	9530	12.82	-0.44	740783.2	993149.1	9020	31.19	-0.31
740670.7	993636.3	9520	12.54	-0.43	740785.4	993139.4	9010	74.43	-0.70
740672.9	993626.6	9510	12.82	-0.47	740787.7	993129.6	9000	72.14	-0.45
740675.2	993616.8	9500	12.91	-0.36	740789.9	993119.9	8990	10.01	-0.13
740677.4	993607.1	9490	12.12	-0.06	740792.2	993110.2	8980	29.54	-0.56
740679.7	993597.4	9480	12.33	-0.49	740794.4	993100.4	8970	32.23	-0.21
740681.9	993587.6	9470	12.33	-0.56	740796.7	993090.7	8960	32.35	-0.36
740684.2	993577.9	9460	13.18	-0.01	740798.9	993080.9	8950	21.58	-0.01

Easting	Northing	Station	Conduct.	In-Phase
740801.2	993071.2	8940	18.89	-0.04
740803.4	993061.4	8930	18.13	-0.04
740805.7	993051.7	8920	20.87	-0.19
740807.9	993041.9	8910	19.32	-0.04
740810.2	993032.2	8900	17.03	-0.07
740812.4	993022.5	8890	14.98	0.00
740814.7	993012.8	8880	13.73	-0.06
740816.9	993003	8870	12.88	-0.11
740819.2	992993.3	8860	12.94	-0.18
740821.4	992983.5	8850	12.60	-0.53
740823.7	992973.8	8840	13.61	-0.37
740825.9	992964	8830	22.00	-0.55
740828.2	992954.3	8820	-2.90	-0.17
740830.4	992944.5	8810	-22.55	-0.14
740832.7	992934.8	8800	-10.16	-0.37
740834.9	992925.1	8790	45.96	-0.70
740837.2	992915.3	8780	37.11	-0.49
740839.4	992905.6	8770	24.57	-0.17
740841.7	992895.8	8760	17.12	-0.58
740843.9	992886.1	8750	13.64	-0.56
740846.2	992876.3	8740	12.63	-0.02
740848.4	992866.6	8730	12.12	-0.49
740850.7	992856.8	8720	11.63	-0.48
740852.9	992847.1	8710	11.87	-0.39
740855.2	992837.3	8700	11.54	-0.33
740857.4	992827.6	8690	11.69	-0.36
740859.7	992817.9	8680	11.96	-0.08
740861.9	992808.1	8670	11.81	-0.52
740864.2	992798.4	8660	11.87	-0.56
740866.4	992788.6	8650	11.75	-0.40
740868.7	992778.9	8640	12.02	-0.54
740870.9	992769.1	8630	12.18	-0.37
740873.2	992759.4	8620	11.78	-0.09
740875.4	992749.6	8610	11.93	-0.59
740877.7	992739.9	8600	11.84	-0.08
740879.9	992730.2	8590	12.05	-0.13
740882.2	992720.4	8580	11.60	-0.58
740884.4	992710.7	8570	11.35	-0.56
740886.7	992700.9	8560	11.14	-0.46
740888.9	992691.2	8550	11.32	-0.48
740891.2	992681.4	8540	11.08	-0.59
740893.4	992671.7	8530	10.77	-0.39
740895.7	992661.9	8520	10.59	-0.40
LINE 1520				
740939.4	992666.5	8520	11.35	-0.59
740937.1	992676.3	8530	11.26	-0.15
740934.9	992686	8540	11.99	-0.03
740932.6	992695.8	8550	11.41	-0.53
740930.4	992705.5	8560	11.66	-0.01
740928.1	992715.3	8570	11.87	-0.04
740925.9	992724.9	8580	11.72	-0.53
740923.6	992734.7	8590	12.21	-0.41
740921.4	992744.4	8600	11.96	-0.15
740919.1	992754.2	8610	12.51	-0.19
740916.9	992763.9	8620	12.18	-0.60
740914.6	992773.7	8630	12.18	-0.05
740912.4	992783.4	8640	12.08	-0.03
740910.1	992793.2	8650	11.81	-0.10
740907.9	992802.9	8660	11.54	-0.15
740905.6	992812.7	8670	11.60	-0.58
740903.4	992822.4	8680	11.93	-0.07
740901.1	992832.1	8690	11.90	-0.51
740898.9	992841.9	8700	11.84	-0.52
740896.6	992851.6	8710	12.05	-0.49
740894.4	992861.4	8720	11.99	-0.44
740892.1	992871.1	8730	12.24	-0.51
740889.9	992880.9	8740	12.70	-0.15
740887.6	992890.6	8750	12.30	-0.03
740885.4	992900.4	8760	11.96	-0.11
740883.1	992910.1	8770	12.42	-0.58
740880.9	992919.8	8780	12.05	-0.09
740878.6	992929.6	8790	12.39	-0.19
740876.4	992939.3	8800	12.60	-0.29
740874.1	992949.1	8810	15.29	-0.32
740871.9	992958.8	8820	13.98	-0.27
740869.6	992968.6	8830	13.67	-0.12
740867.4	992978.3	8840	13.58	-0.10
740865.1	992988.1	8850	12.85	-0.23
740862.9	992997.8	8860	12.85	-0.07
740860.6	993007.6	8870	12.88	-0.01
740858.4	993017.3	8880	13.31	-0.10
740856.1	993027	8890	14.68	-0.07
740853.9	993036.8	8900	24.60	-0.48
740851.6	993046.5	8910	6.90	-0.02
740849.4	993056.3	8920	21.39	-0.25
740847.1	993066	8930	15.47	-0.23
740844.9	993075.8	8940	15.41	-0.11
740842.6	993085.5	8950	16.69	-0.52
740840.4	993095.3	8960	18.01	-0.44
740838.1	993105	8970	19.41	-0.04
740835.9	993114.7	8980	22.22	-0.49
740833.6	993124.4	8990	25.15	-0.26
740831.4	993134.2	9000	30.73	-0.34
740829.1	993143.9	9010	42.97	-0.41
740826.9	993153.7	9020	57.65	-0.07
740824.6	993163.4	9030	56.49	-0.15
740822.4	993173.2	9040	39.00	-0.09
740820.1	993182.9	9050	-14.34	-0.42
740817.9	993192.7	9060	17.70	-0.15
740815.6	993202.4	9070	12.82	-0.08
740813.4	993212.1	9080	12.54	-0.06
740811.1	993221.9	9090	12.05	-0.13

Easting	Northing	Station	Conduct.	In-Phase
740808.9	993231.6	9100	12.21	-0.01
740806.6	993241.4	9110	11.90	-0.08
740804.4	993251.1	9120	11.72	-0.17
740802.1	993260.9	9130	11.60	-0.17
740799.9	993270.6	9140	11.66	-0.46
740797.6	993280.4	9150	11.66	-0.07
740795.4	993290.1	9160	11.35	-0.13
740793.1	993299.8	9170	11.38	-0.20
740790.9	993309.6	9180	11.78	-0.31
740788.6	993319.3	9190	11.93	-0.25
740786.4	993329.1	9200	11.54	-0.21
740784.1	993338.8	9210	11.75	-0.16
740781.9	993348.6	9220	12.02	-0.25
740779.6	993358.3	9230	12.30	-0.11
740777.4	993368.1	9240	12.24	-0.21
740775.1	993377.8	9250	11.81	-0.11
740772.9	993387.6	9260	12.02	-0.02
740770.6	993397.3	9270	11.96	-0.20
740768.4	993407	9280	13.12	-0.12
740766.1	993416.8	9290	14.50	-0.16
740763.9	993426.5	9300	16.08	-0.19
740761.6	993436.3	9310	18.80	-0.24
740759.4	993446	9320	19.20	-0.29
740757.1	993455.8	9330	14.86	-0.12
740754.9	993465.5	9340	13.49	-0.03
740752.6	993475.3	9350	11.84	-0.06
740750.4	993485	9360	12.91	-0.58
740748.1	993494.7	9370	18.49	-0.16
740745.9	993504.4	9380	31.13	-0.41
740743.6	993514.2	9390	-3.88	-0.33
740741.4	993523.9	9400	24.32	-0.25
740739.1	993533.7	9410	17.18	0.00
740736.9	993543.4	9420	13.52	-0.23
740734.6	993553.2	9430	15.08	-0.07
740732.4	993562.9	9440	15.50	-0.08
740730.1	993572.7	9450	15.08	-0.45
740727.9	993582.4	9460	15.35	-0.47
740725.6	993592.1	9470	15.32	-0.10
740723.4	993601.9	9480	16.20	-0.17
740721.1	993611.6	9490	14.77	-0.28
740718.9	993621.4	9500	13.70	-0.12
740716.7	993631.1	9510	13.58	-0.27
740714.4	993640.9	9520	11.84	-0.14
740712.2	993650.6	9530	12.33	-0.10
740709.9	993660.4	9540	12.51	-0.10
740707.7	993670.1	9550	13.64	-0.24
740705.4	993679.9	9560	12.66	-0.17
740703.2	993689.6	9570	12.48	-0.34
740700.9	993699.3	9580	12.66	-0.24
740698.7	993709.1	9590	12.48	-0.33
740696.4	993718.8	9600	12.88	-0.28

Easting	Northing	Station	Conduct.	In-Phase
740694.2	993728.6	9610	12.42	-0.15
740691.9	993738.3	9620	12.73	-0.39
740689.7	993748.1	9630	12.60	-0.35
740687.4	993757.8	9640	12.63	-0.27
740685.2	993767.6	9650	12.48	-0.27
740682.9	993777.3	9660	12.76	-0.08
740680.7	993787	9670	12.36	-0.43
740678.4	993796.8	9680	12.94	-0.41
740676.2	993806.5	9690	13.21	-0.15
740673.9	993816.3	9700	12.79	-0.39
740671.7	993826	9710	12.82	-0.27
740669.4	993835.8	9720	12.73	-0.30
740667.2	993845.5	9730	13.21	-0.23
740664.9	993855.3	9740	13.70	-0.27
740662.7	993865	9750	14.34	-0.40
740660.4	993874.8	9760	13.73	-0.33
740658.2	993884.4	9770	13.00	-0.33
740655.9	993894.2	9780	13.18	-0.28
740653.7	993903.9	9790	14.83	-0.33
740651.4	993913.7	9800	13.55	-0.23
740649.2	993923.4	9810	13.40	-0.17
740646.9	993933.2	9820	12.79	-0.17
740644.7	993942.9	9830	12.76	-0.30
740642.4	993952.7	9840	12.63	-0.25
740640.2	993962.4	9850	12.48	-0.29
740637.9	993972.2	9860	11.51	-0.20
740635.7	993981.9	9870	11.72	-0.25
740633.4	993991.6	9880	12.33	-0.41
740631.2	994001.4	9890	10.89	-0.35
740628.9	994011.1	9900	15.05	-0.36
740626.7	994020.9	9910	13.21	-0.29
740624.4	994030.6	9920	7.02	0.00
740622.2	994040.4	9930	11.29	-0.23
740619.9	994050.1	9940	13.03	-0.23
740617.7	994059.9	9950	18.43	-0.58
740615.4	994069.6	9960	12.97	-0.22
740613.2	994079.3	9970	12.21	-0.13
740610.9	994089.1	9980	11.87	-0.31
740608.7	994098.8	9990	11.08	-0.28
740606.4	994108.6	10000	10.68	-0.26
LINE 1520				
740628.3	994110.8	10000	10.71	-0.28
740630.6	994101	9990	10.89	-0.02
740632.8	994091.3	9980	12.02	-0.41
740635.1	994081.5	9970	11.51	-0.51
740637.3	994071.8	9960	10.93	-0.52
740639.6	994062	9950	15.26	-0.12
740641.8	994052.3	9940	13.24	-0.05
740644.1	994042.6	9930	11.87	-0.58
740646.3	994032.8	9920	11.81	-0.46
740648.6	994023.1	9910	11.96	-0.09

Easting	Northing	Station	Conduct.	In-Phase
740650.8	994013.3	9900	12.36	-0.05
740653.1	994003.6	9890	12.94	-0.19
740655.3	993993.8	9880	12.54	-0.13
740657.6	993984.1	9870	12.42	-0.51
740659.8	993974.3	9860	12.36	-0.01
740662.1	993964.6	9850	12.02	-0.08
740664.3	993954.9	9840	10.93	-0.09
740666.6	993945.1	9830	11.11	-0.01
740668.8	993935.4	9820	9.98	-0.05
740671.1	993925.6	9810	13.89	-0.21
740673.3	993915.9	9800	12.82	-0.21
740675.6	993906.1	9790	12.66	-0.25
740677.8	993896.4	9780	13.21	-0.20
740680.1	993886.6	9770	14.80	-0.38
740682.3	993876.9	9760	13.43	-0.17
740684.6	993867.1	9750	12.94	-0.04
740686.8	993857.4	9740	13.21	-0.16
740689.1	993847.7	9730	12.73	-0.27
740691.3	993837.9	9720	12.45	-0.19
740693.6	993828.2	9710	12.33	-0.18
740695.8	993818.4	9700	12.36	-0.22
740698.1	993808.7	9690	12.27	-0.20
740700.3	993798.9	9680	11.93	-0.21
740702.6	993789.2	9670	11.93	-0.18
740704.8	993779.4	9660	11.90	-0.11
740707.1	993769.7	9650	11.93	-0.06
740709.3	993760	9640	11.99	-0.23
740711.6	993750.3	9630	11.47	-0.34
740713.8	993740.5	9620	12.08	-0.34
740716.1	993730.8	9610	12.27	-0.22
740718.3	993721	9600	10.59	-0.18
740720.6	993711.3	9590	12.76	-0.19
740722.8	993701.5	9580	12.54	-0.13
740725	993691.8	9570	12.54	-0.37
740727.3	993682	9560	12.42	-0.28
740729.5	993672.3	9550	12.36	-0.26
740731.8	993662.6	9540	12.48	-0.18
740734	993652.8	9530	12.66	-0.01
740736.3	993643.1	9520	14.40	-0.17
740738.5	993633.3	9510	14.47	-0.44
740740.8	993623.6	9500	12.33	-0.03
740743	993613.8	9490	12.70	-0.13
740745.3	993604.1	9480	18.34	-0.46
740747.5	993594.3	9470	39.46	-0.71
740749.8	993584.6	9460	14.77	-0.17
740752	993574.8	9450	0.58	-0.42
740754.3	993565.1	9440	31.25	-0.97
740756.5	993555.4	9430	25.12	-0.80
740758.8	993545.6	9420	12.60	-0.12
740761	993535.9	9410	12.48	-0.15
740763.3	993526.1	9400	31.86	-0.94
740765.5	993516.4	9390	55.57	-0.56
740767.8	993506.6	9380	11.11	-0.27
740770	993496.9	9370	-8.85	-0.43
740772.3	993487.1	9360	7.63	-0.15
740774.5	993477.4	9350	14.71	-0.13
740776.8	993467.7	9340	14.98	-0.14
740779	993457.9	9330	19.53	-0.37
740781.3	993448.2	9320	24.66	-0.59
740783.5	993438.4	9310	23.32	-0.51
740785.8	993428.7	9300	16.72	-0.34
740788	993418.9	9290	21.58	-0.50
740790.3	993409.2	9280	18.46	-0.47
740792.5	993399.4	9270	13.73	-0.33
740794.8	993389.7	9260	13.31	-0.29
740797	993379.9	9250	11.81	-0.24
740799.3	993370.3	9240	12.63	-0.30
740801.5	993360.5	9230	11.54	-0.16
740803.8	993350.8	9220	11.96	-0.32
740806	993341	9210	11.99	-0.19
740808.3	993331.3	9200	11.66	-0.17
740810.5	993321.5	9190	11.32	-0.32
740812.8	993311.8	9180	10.86	-0.26
740815	993302	9170	11.96	-0.27
740817.3	993292.3	9160	11.38	-0.39
740819.5	993282.6	9150	11.17	-0.19
740821.8	993272.8	9140	11.51	-0.30
740824	993263.1	9130	11.66	-0.22
740826.3	993253.3	9120	11.81	-0.35
740828.5	993243.6	9110	11.51	-0.30
740830.8	993233.8	9100	11.75	-0.36
740833	993224.1	9090	11.44	-0.29
740835.3	993214.3	9080	13.46	-0.30
740837.5	993204.6	9070	14.16	-0.31
740839.8	993194.8	9060	12.21	-0.40
740842	993185.1	9050	12.94	-0.20
740844.3	993175.4	9040	13.37	-0.26
740846.5	993165.6	9030	13.70	-0.26
740848.8	993155.9	9020	13.92	-0.23
740851	993146.1	9010	13.43	-0.22
740853.3	993136.4	9000	13.61	-0.21
740855.5	993126.6	8990	13.12	-0.59
740857.8	993116.9	8980	13.92	-0.31
740860	993107.1	8970	13.82	-0.03
740862.3	993097.4	8960	14.19	-0.21
740864.5	993087.7	8950	13.82	-0.19
740866.8	993077.9	8940	12.97	-0.40
740869	993068.2	8930	12.82	-0.35
740871.3	993058.4	8920	13.34	-0.44
740873.5	993048.7	8910	13.79	-0.36
740875.8	993038.9	8900	13.55	-0.36
740878	993029.2	8890	14.40	-0.37

Easting	Northing	Station	Conduct.	In-Phase
740880.3	993019.4	8880	14.01	-0.36
740882.5	993009.7	8870	13.15	-0.39
740884.8	992999.9	8860	13.15	-0.31
740887	992990.3	8850	13.00	-0.39
740889.3	992980.5	8840	13.24	-0.40
740891.5	992970.8	8830	16.57	-0.51
740893.8	992961	8820	23.77	-0.60
740896	992951.3	8810	12.02	-0.19
740898.3	992941.5	8800	16.88	-0.41
740900.5	992931.8	8790	12.85	-0.33
740902.8	992922	8780	13.18	-0.35
740905	992912.3	8770	13.52	-0.33
740907.3	992902.5	8760	12.63	-0.33
740909.5	992892.8	8750	12.30	-0.23
740911.8	992883.1	8740	12.30	-0.16
740914	992873.3	8730	12.05	-0.24
740916.3	992863.6	8720	12.15	-0.29
740918.5	992853.8	8710	13.46	-0.34
740920.8	992844.1	8700	15.05	-0.36
740923	992834.3	8690	14.34	-0.25
740925.3	992824.6	8680	13.52	-0.36
740927.5	992814.8	8670	12.73	-0.27
740929.8	992805.1	8660	12.66	-0.17
740932	992795.4	8650	12.18	-0.15
740934.3	992785.6	8640	11.51	-0.25
740936.5	992775.9	8630	11.44	-0.22
740938.8	992766.1	8620	12.05	-0.35
740941	992756.4	8610	11.90	-0.16
740943.3	992746.6	8600	12.48	-0.24
740945.5	992736.9	8590	11.66	-0.09
740947.8	992727.1	8580	12.08	-0.09
740950	992717.4	8570	11.75	-0.18
740952.3	992707.6	8560	11.72	-0.15
740954.5	992697.9	8550	11.87	-0.39
LINE 1540				
740998.2	992702.4	8550	11.93	-0.59
740995.9	992712.2	8560	11.57	-0.24
740993.7	992721.9	8570	11.57	-0.39
740991.4	992731.7	8580	12.36	-0.28
740989.2	992741.4	8590	11.51	-0.21
740986.9	992751.2	8600	11.44	-0.29
740984.7	992760.9	8610	11.60	-0.29
740982.4	992770.7	8620	11.23	-0.38
740980.2	992780.4	8630	11.41	-0.33
740977.9	992790.1	8640	11.11	-0.18
740975.7	992799.9	8650	11.23	-0.27
740973.4	992809.6	8660	10.89	-0.30
740971.2	992819.4	8670	11.20	-0.20
740968.9	992829.1	8680	11.35	-0.36
740966.7	992838.9	8690	11.44	-0.24
740964.4	992848.6	8700	11.17	-0.34

Easting	Northing	Station	Conduct.	In-Phase
740962.2	992858.4	8710	11.60	-0.19
740959.9	992868.1	8720	11.54	-0.26
740957.7	992877.8	8730	11.84	-0.35
740955.4	992887.6	8740	11.35	-0.20
740953.2	992897.3	8750	11.35	-0.31
740950.9	992907.1	8760	11.51	-0.21
740948.7	992916.8	8770	11.69	-0.36
740946.4	992926.6	8780	11.23	-0.37
740944.2	992936.3	8790	11.66	-0.30
740941.9	992946.1	8800	11.11	-0.29
740939.7	992955.8	8810	11.78	-0.29
740937.4	992965.6	8820	11.66	-0.29
740935.2	992975.3	8830	11.81	-0.40
740932.9	992985	8840	12.24	-0.38
740930.7	992994.8	8850	12.82	-0.40
740928.4	993004.5	8860	11.99	-0.34
740926.2	993014.3	8870	12.18	-0.39
740923.9	993024	8880	12.45	-0.25
740921.7	993033.8	8890	12.24	-0.31
740919.4	993043.5	8900	12.73	-0.36
740917.2	993053.3	8910	11.63	-0.21
740914.9	993063	8920	11.99	-0.26
740912.7	993072.7	8930	12.91	-0.38
740910.4	993082.4	8940	11.81	-0.21
740908.2	993092.2	8950	11.93	-0.09
740905.9	993101.9	8960	11.93	-0.24
740903.7	993111.7	8970	12.21	-0.44
740901.4	993121.4	8980	12.08	-0.38
740899.2	993131.2	8990	11.99	-0.37
740896.9	993140.9	9000	11.78	-0.31
740894.7	993150.7	9010	11.93	-0.43
740892.4	993160.4	9020	12.39	-0.42
740890.2	993170.1	9030	12.24	-0.34
740887.9	993179.9	9040	12.05	-0.34
740885.7	993189.6	9050	12.15	-0.30
740883.4	993199.4	9060	12.02	-0.45
740881.2	993209.1	9070	11.51	-0.46
740878.9	993218.9	9080	11.47	-0.25
740876.7	993228.6	9090	11.60	-0.24
740874.4	993238.4	9100	11.96	-0.40
740872.2	993248.1	9110	11.41	-0.39
740869.9	993257.9	9120	11.57	-0.22
740867.7	993267.6	9130	11.66	-0.31
740865.4	993277.3	9140	11.84	-0.39
740863.2	993287.1	9150	11.57	-0.41
740860.9	993296.8	9160	11.75	-0.24
740858.7	993306.6	9170	12.08	-0.38
740856.4	993316.3	9180	12.30	-0.50
740854.2	993326.1	9190	12.48	-0.42
740851.9	993335.8	9200	12.24	-0.31
740849.7	993345.6	9210	12.45	-0.35

Easting	Northing	Station	Conduct.	In-Phase
740847.4	993355.3	9220	13.55	-0.48
740845.2	993365	9230	12.51	-0.34
740842.9	993374.8	9240	11.63	-0.46
740840.7	993384.5	9250	12.18	-0.30
740838.4	993394.3	9260	11.90	-0.37
740836.2	993404	9270	12.88	-0.34
740833.9	993413.8	9280	13.09	-0.39
740831.7	993423.5	9290	12.66	-0.39
740829.4	993433.3	9300	13.06	-0.30
740827.2	993443	9310	13.31	-0.32
740824.9	993452.8	9320	13.89	-0.11
740822.7	993462.4	9330	14.74	-0.48
740820.4	993472.2	9340	14.10	-0.42
740818.2	993481.9	9350	17.24	-0.52
740815.9	993491.7	9360	36.22	-0.43
740813.7	993501.4	9370	-8.12	-0.35
740811.5	993511.2	9380	10.65	-0.32
740809.3	993520.9	9390	14.10	-0.25
740807	993530.7	9400	16.05	-0.39
740804.8	993540.4	9410	13.21	-0.35
740802.5	993550.2	9420	14.59	-0.46
740800.3	993559.9	9430	17.49	-0.49
740798	993569.6	9440	16.17	-0.39
740795.8	993579.4	9450	22.61	-0.46
740793.5	993589.1	9460	27.01	-0.57
740791.3	993598.9	9470	21.97	-0.48
740789	993608.6	9480	13.76	-0.30
740786.8	993618.4	9490	15.20	-0.34
740784.5	993628.1	9500	17.27	-0.53
740782.3	993637.9	9510	11.87	-0.37
740780	993647.6	9520	12.18	-0.45
740777.8	993657.3	9530	11.99	-0.27
740775.5	993667.1	9540	11.96	-0.31
740773.3	993676.8	9550	11.54	-0.30
740771	993686.6	9560	13.70	-0.44
740768.8	993696.3	9570	13.49	-0.40
740766.5	993706.1	9580	14.80	-0.49
740764.3	993715.8	9590	13.12	-0.48
740762	993725.6	9600	10.62	-0.38
740759.8	993735.3	9610	15.14	-0.47
740757.5	993745.1	9620	13.24	-0.26
740755.3	993754.8	9630	10.89	-0.33
740753	993764.5	9640	11.17	-0.29
740750.8	993774.3	9650	11.14	-0.43
740748.5	993784	9660	11.44	-0.44
740746.3	993793.8	9670	11.20	-0.41
740744	993803.5	9680	11.35	-0.34
740741.8	993813.3	9690	11.14	-0.34
740739.5	993823	9700	12.02	-0.50
740737.3	993832.8	9710	12.73	-0.34
740735	993842.4	9720	10.74	-0.37

Easting	Northing	Station	Conduct.	In-Phase
740732.8	993852.2	9730	10.77	-0.54
740730.5	993861.9	9740	9.77	-0.37
740728.3	993871.7	9750	35.16	-0.54
740726	993881.4	9760	52.58	-1.00
740723.8	993891.2	9770	45.29	-0.75
740721.5	993900.9	9780	23.50	-0.62
740719.3	993910.7	9790	13.61	-0.24
740717	993920.4	9800	12.36	-0.33
740714.8	993930.2	9810	13.15	-0.32
740712.5	993939.9	9820	11.47	-0.26
740710.3	993949.6	9830	13.03	-0.24
740708	993959.4	9840	13.18	-0.41
740705.8	993969.1	9850	11.38	-0.29
740703.5	993978.9	9860	10.96	-0.26
740701.3	993988.6	9870	11.26	-0.25
740699	993998.4	9880	11.99	-0.34
740696.8	994008.1	9890	11.63	-0.26
740694.5	994017.9	9900	11.87	-0.38
740692.3	994027.6	9910	11.14	-0.13
740690	994037.3	9920	12.42	-0.37
740687.8	994047.1	9930	12.21	-0.39
740685.5	994056.8	9940	12.15	-0.29
740683.3	994066.6	9950	12.18	-0.28
740681	994076.3	9960	12.51	-0.36
740678.8	994086.1	9970	12.36	-0.25
740676.5	994095.8	9980	12.15	-0.34
740674.3	994105.6	9990	12.08	-0.33
740672	994115.3	10000	11.96	-0.23
LINE 1540				
740650.1	994113	10000	11.57	-0.26
740652.4	994103.3	9990	11.96	-0.33
740654.6	994093.6	9980	12.76	-0.18
740656.9	994083.8	9970	19.53	-0.39
740659.1	994074.1	9960	4.49	-0.52
740661.4	994064.3	9950	7.87	-0.17
740663.6	994054.6	9940	16.63	-0.46
740665.9	994044.8	9930	11.35	-0.30
740668.1	994035.1	9920	10.68	-0.25
740670.4	994025.3	9910	11.99	-0.24
740672.6	994015.6	9900	12.36	-0.22
740674.9	994005.8	9890	12.05	-0.28
740677.1	993996.1	9880	11.57	-0.43
740679.4	993986.4	9870	12.33	-0.30
740681.6	993976.6	9860	11.84	-0.38
740683.9	993966.9	9850	11.60	-0.36
740686.1	993957.1	9840	11.54	-0.42
740688.4	993947.4	9830	14.71	-0.52
740690.6	993937.6	9820	11.11	-0.27
740692.9	993927.9	9810	9.74	-0.24
740695.1	993918.1	9800	12.21	-0.29
740697.4	993908.4	9790	12.24	-0.38

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740699.6	993898.7	9780	12.85	-0.41	740814.4	993401.8	9270	12.79	-0.40
740701.9	993888.9	9770	13.12	-0.44	740816.6	993392	9260	13.06	-0.14
740704.1	993879.2	9760	12.54	-0.38	740818.9	993382.3	9250	11.32	-0.32
740706.4	993869.4	9750	12.15	-0.46	740821.1	993372.5	9240	12.60	-0.35
740708.6	993859.7	9740	12.12	-0.34	740823.4	993362.8	9230	11.63	-0.42
740710.9	993849.9	9730	12.08	-0.43	740825.6	993353	9220	11.90	-0.32
740713.1	993840.2	9720	11.63	-0.45	740827.9	993343.3	9210	11.96	-0.30
740715.4	993830.4	9710	12.12	-0.46	740830.1	993333.5	9200	12.57	-0.33
740717.6	993820.7	9700	11.90	-0.46	740832.4	993323.8	9190	11.87	-0.39
740719.9	993810.9	9690	11.69	-0.42	740834.6	993314.1	9180	11.87	-0.32
740722.1	993801.3	9680	11.26	-0.40	740836.9	993304.3	9170	11.72	-0.32
740724.4	993791.5	9670	11.72	-0.26	740839.1	993294.6	9160	12.15	-0.29
740726.6	993781.8	9660	11.41	-0.44	740841.4	993284.8	9150	12.30	-0.34
740728.9	993772	9650	11.35	-0.49	740843.6	993275.1	9140	11.84	-0.18
740731.1	993762.3	9640	11.66	-0.37	740845.9	993265.3	9130	11.63	-0.27
740733.4	993752.5	9630	12.88	-0.43	740848.1	993255.6	9120	11.63	-0.29
740735.6	993742.8	9620	12.08	-0.32	740850.4	993245.8	9110	11.81	-0.45
740737.9	993733	9610	12.85	-0.36	740852.6	993236.1	9100	11.57	-0.45
740740.1	993723.3	9600	11.96	-0.41	740854.9	993226.3	9090	12.05	-0.33
740742.4	993713.5	9590	12.54	-0.24	740857.1	993216.6	9080	12.15	-0.27
740744.6	993703.8	9580	12.57	-0.44	740859.4	993206.9	9070	12.21	-0.49
740746.9	993694.1	9570	13.40	-0.32	740861.6	993197.1	9060	14.34	-0.46
740749.1	993684.3	9560	11.87	-0.03	740863.9	993187.4	9050	11.90	-0.22
740751.4	993674.6	9550	8.39	-0.31	740866.1	993177.6	9040	11.66	-0.47
740753.6	993664.8	9540	12.45	-0.33	740868.4	993167.9	9030	12.08	-0.24
740755.9	993655.1	9530	12.05	-0.36	740870.6	993158.1	9020	13.12	-0.36
740758.1	993645.3	9520	12.63	-0.50	740872.9	993148.4	9010	12.94	-0.40
740760.4	993635.6	9510	12.54	-0.31	740875.1	993138.6	9000	12.27	-0.31
740762.6	993625.8	9500	12.60	-0.37	740877.4	993128.9	8990	12.02	-0.33
740764.9	993616.1	9490	12.63	-0.29	740879.6	993119.2	8980	12.36	-0.43
740767.1	993606.4	9480	14.80	-0.31	740881.9	993109.4	8970	15.44	-0.43
740769.4	993596.6	9470	14.80	-0.49	740884.1	993099.7	8960	14.68	-0.46
740771.6	993586.9	9460	15.29	-0.47	740886.4	993089.9	8950	12.54	-0.25
740773.9	993577.1	9450	17.06	-0.51	740888.6	993080.2	8940	12.48	-0.39
740776.1	993567.4	9440	16.45	-0.33	740890.9	993070.4	8930	12.94	-0.40
740778.4	993557.6	9430	13.46	-0.34	740893.1	993060.7	8920	13.12	-0.27
740780.6	993547.9	9420	13.40	-0.33	740895.4	993050.9	8910	13.49	-0.44
740782.9	993538.1	9410	41.44	-0.70	740897.6	993041.2	8900	14.37	-0.51
740785.1	993528.4	9400	26.46	-0.64	740899.9	993031.4	8890	13.89	-0.48
740787.4	993518.6	9390	29.85	-0.85	740902.1	993021.8	8880	13.37	-0.24
740789.6	993508.9	9380	27.25	-0.72	740904.4	993012	8870	12.21	-0.38
740791.9	993499.2	9370	25.45	-0.49	740906.6	993002.3	8860	12.60	-0.31
740794.1	993489.4	9360	29.57	-0.45	740908.9	992992.5	8850	12.33	-0.34
740796.4	993479.7	9350	49.80	-0.41	740911.1	992982.8	8840	15.23	-0.31
740798.6	993469.9	9340	6.26	-0.07	740913.3	992973	8830	15.20	-0.22
740800.9	993460.2	9330	10.04	-0.47	740915.6	992963.3	8820	11.93	-0.27
740803.1	993450.4	9320	10.89	-0.43	740917.8	992953.5	8810	12.30	-0.38
740805.4	993440.7	9310	22.58	-0.49	740920.1	992943.8	8800	11.72	-0.05
740807.6	993430.9	9300	15.72	-0.31	740922.3	992934	8790	11.96	-0.28
740809.9	993421.2	9290	18.31	-0.29	740924.6	992924.3	8780	12.12	-0.35
740812.1	993411.5	9280	14.10	-0.23	740926.8	992914.6	8770	11.66	-0.34

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740929.1	992904.8	8760	12.05	-0.31	740968.3	992928.8	8780	12.15	-0.22
740931.3	992895.1	8750	11.87	-0.26	740966.1	992938.5	8790	11.29	-0.28
740933.6	992885.3	8740	11.41	-0.33	740963.8	992948.3	8800	11.05	-0.38
740935.8	992875.6	8730	12.45	-0.23	740961.6	992957.9	8810	11.75	-0.45
740938.1	992865.8	8720	13.28	-0.41	740959.3	992967.7	8820	11.26	-0.32
740940.3	992856.1	8710	17.24	-0.60	740957.1	992977.4	8830	11.72	-0.40
740942.6	992846.3	8700	20.78	-0.61	740954.8	992987.2	8840	11.51	-0.50
740944.8	992836.6	8690	24.02	-0.68	740952.6	992996.9	8850	12.18	-0.65
740947.1	992826.9	8680	23.38	-0.68	740950.3	993006.7	8860	12.08	-0.52
740949.3	992817.1	8670	26.03	-0.66	740948.1	993016.4	8870	11.99	-0.45
740951.6	992807.4	8660	22.92	-0.57	740945.8	993026.2	8880	12.42	-0.57
740953.8	992797.6	8650	14.34	-0.40	740943.6	993035.9	8890	12.15	-0.50
740956.1	992787.9	8640	13.24	-0.37	740941.3	993045.7	8900	12.08	-0.47
740958.3	992778.1	8630	13.00	-0.26	740939.1	993055.4	8910	12.05	-0.36
740960.6	992768.4	8620	11.87	-0.22	740936.8	993065.1	8920	11.81	-0.41
740962.8	992758.6	8610	11.54	-0.16	740934.6	993074.9	8930	11.75	-0.28
740965.1	992748.9	8600	13.03	-0.19	740932.3	993084.6	8940	12.15	-0.48
740967.3	992739.2	8590	12.15	-0.59	740930.1	993094.4	8950	11.75	-0.60
740969.6	992729.4	8580	12.12	-0.23	740927.8	993104.1	8960	11.84	-0.45
740971.8	992719.7	8570	12.39	-0.29	740925.6	993113.9	8970	11.81	-0.34
740974.1	992709.9	8560	12.21	-0.05	740923.3	993123.6	8980	12.05	-0.46
740976.3	992700.2	8550	12.05	-0.37	740921.1	993133.4	8990	11.57	-0.35
740978.6	992690.4	8540	11.57	-0.33	740918.8	993143.1	9000	11.47	-0.43
740980.8	992680.7	8530	11.84	-0.31	740916.6	993152.8	9010	12.02	-0.42
740983.1	992670.9	8520	11.78	-0.29	740914.3	993162.6	9020	12.54	-0.37
741026.8	992675.4	8520	10.93	-0.16	740912.1	993172.3	9030	11.93	-0.35
741024.6	992685.1	8530	11.26	-0.29	740909.8	993182.1	9040	11.84	-0.40
741022.3	992694.9	8540	11.05	-0.11	740907.6	993191.8	9050	11.99	-0.41
741020.1	992704.6	8550	10.44	-0.46	740905.3	993201.6	9060	11.96	-0.45
741017.8	992714.4	8560	10.93	-0.47	740903.1	993211.3	9070	11.20	-0.22
741015.6	992724.1	8570	11.63	-0.43	740900.8	993221.1	9080	11.54	-0.50
741013.3	992733.9	8580	11.38	-0.18	740898.6	993230.8	9090	11.81	-0.51
741011.1	992743.6	8590	11.14	-0.32	740896.3	993240.6	9100	11.81	-0.38
741008.8	992753.4	8600	11.20	-0.35	740894.1	993250.3	9110	11.75	-0.39
741006.6	992763.1	8610	10.77	-0.47	740891.8	993260	9120	11.38	-0.51
741004.3	992772.8	8620	11.29	-0.45	740889.6	993269.8	9130	11.05	-0.50
741002.1	992782.6	8630	10.25	-0.28	740887.3	993279.5	9140	11.60	-0.42
740999.8	992792.3	8640	10.62	-0.46	740885.1	993289.3	9150	11.51	-0.46
740997.6	992802.1	8650	10.53	-0.44	740882.8	993299	9160	11.47	-0.42
740995.3	992811.8	8660	10.99	-0.47	740880.6	993308.8	9170	11.11	-0.32
740993.1	992821.6	8670	10.86	-0.41	740878.3	993318.5	9180	8.85	-0.38
740990.8	992831.3	8680	11.02	-0.38	740876.1	993328.3	9190	14.83	-0.67
740988.6	992841.1	8690	10.74	-0.27	740873.8	993338	9200	12.21	-0.43
740986.3	992850.8	8700	11.11	-0.37	740871.6	993347.7	9210	11.87	-0.37
740984.1	992860.5	8710	11.08	-0.23	740869.3	993357.4	9220	12.15	-0.35
740981.8	992870.3	8720	10.71	-0.16	740867.1	993367.2	9230	12.21	-0.28
740979.6	992880	8730	11.29	-0.32	740864.8	993376.9	9240	11.81	-0.40
740977.3	992889.8	8740	11.29	-0.25	740862.6	993386.7	9250	11.93	-0.15
740975.1	992899.5	8750	11.05	-0.49	740860.3	993396.4	9260	12.02	-0.46
740972.8	992909.3	8760	10.74	-0.31	740858.1	993406.2	9270	15.78	-0.49
740970.6	992919	8770	11.78	-0.27	740855.8	993415.9	9280	3.88	-0.11

Easting	Northing	Station	Conduct.	In-Phase
740853.6	993425.7	9290	15.38	-0.50
740851.3	993435.4	9300	12.63	-0.32
740849.1	993445.1	9310	13.18	-0.33
740846.8	993454.9	9320	12.18	-0.35
740844.6	993464.6	9330	12.82	-0.31
740842.3	993474.4	9340	12.42	-0.37
740840.1	993484.1	9350	13.64	-0.43
740837.8	993493.9	9360	13.67	-0.54
740835.6	993503.6	9370	13.64	-0.47
740833.3	993513.4	9380	13.03	-0.39
740831.1	993523.1	9390	12.70	-0.32
740828.8	993532.9	9400	12.54	-0.52
740826.6	993542.6	9410	13.37	-0.38
740824.3	993552.3	9420	13.00	-0.42
740822.1	993562.1	9430	13.58	-0.52
740819.8	993571.8	9440	13.52	-0.33
740817.6	993581.6	9450	16.94	-0.38
740815.4	993591.3	9460	15.08	-0.47
740813.1	993601.1	9470	12.91	-0.36
740810.9	993610.8	9480	11.69	-0.30
740808.6	993620.6	9490	12.63	-0.44
740806.4	993630.3	9500	12.15	-0.35
740804.1	993640	9510	11.63	-0.43
740801.9	993649.8	9520	11.69	-0.39
740799.6	993659.5	9530	12.05	-0.33
740797.4	993669.3	9540	11.54	-0.55
740795.1	993679	9550	11.75	-0.57
740792.9	993688.8	9560	11.90	-0.40
740790.6	993698.5	9570	11.38	-0.31
740788.4	993708.3	9580	11.41	-0.19
740786.1	993718	9590	11.78	-0.36
740783.9	993727.8	9600	11.38	-0.45
740781.6	993737.4	9610	11.63	-0.32
740779.4	993747.2	9620	10.07	-0.60
740777.1	993756.9	9630	10.53	-0.46
740774.9	993766.7	9640	10.68	-0.52
740772.6	993776.4	9650	10.74	-0.37
740770.4	993786.2	9660	10.47	-0.46
740768.1	993795.9	9670	11.11	-0.48
740765.9	993805.7	9680	10.80	-0.56
740763.6	993815.4	9690	10.86	-0.55
740761.4	993825.2	9700	10.59	-0.20
740759.1	993834.9	9710	10.44	-0.50
740756.9	993844.6	9720	10.35	-0.46
740754.6	993854.4	9730	10.71	-0.41
740752.4	993864.1	9740	11.75	-0.41
740750.1	993873.9	9750	14.04	-0.43
740747.9	993883.6	9760	11.05	-0.58
740745.6	993893.4	9770	6.44	-0.53
740743.4	993903.1	9780	24.48	-0.74
740741.1	993912.9	9790	40.04	-0.48

Easting	Northing	Station	Conduct.	In-Phase
740738.9	993922.6	9800	4.18	-0.43
740736.6	993932.3	9810	16.11	-0.76
740734.4	993942.1	9820	14.01	-0.63
740732.1	993951.8	9830	13.64	-0.62
740729.9	993961.6	9840	14.37	-0.37
740727.6	993971.3	9850	11.57	-0.34
740725.4	993981.1	9860	10.80	-0.26
740723.1	993990.8	9870	11.44	-0.41
740720.9	994000.6	9880	11.75	-0.35
740718.6	994010.3	9890	11.60	-0.35
740716.4	994020	9900	11.75	-0.44
740714.1	994029.8	9910	12.30	-0.51
740711.9	994039.5	9920	13.28	-0.42
740709.6	994049.3	9930	12.36	-0.21
740707.4	994059	9940	12.48	-0.39
740705.1	994068.8	9950	12.05	-0.29
740702.9	994078.5	9960	15.08	-0.54
740700.6	994088.3	9970	11.44	-0.37
740698.4	994098	9980	11.96	-0.45
740696.1	994107.8	9990	11.87	-0.38
740693.9	994117.4	10000	12.02	-0.39
LINE 1580				
740715.8	994119.8	10000	11.96	-0.27
740718	994110	9990	11.75	-0.47
740720.2	994100.3	9980	11.66	-0.22
740722.4	994090.5	9970	12.02	-0.12
740724.7	994080.8	9960	12.60	-0.43
740726.9	994071	9950	9.40	-0.17
740729.2	994061.3	9940	9.46	-0.32
740731.4	994051.6	9930	13.06	-0.34
740733.7	994041.8	9920	11.38	-0.05
740735.9	994032.1	9910	10.80	-0.53
740738.2	994022.3	9900	11.96	-0.30
740740.4	994012.6	9890	11.29	-0.50
740742.7	994002.8	9880	13.73	-0.29
740744.9	993993.1	9870	13.64	-0.53
740747.2	993983.3	9860	11.78	0.00
740749.4	993973.6	9850	10.93	-0.49
740751.7	993963.8	9840	10.86	-0.48
740753.9	993954.1	9830	11.54	-0.41
740756.2	993944.4	9820	11.66	-0.64
740758.4	993934.6	9810	11.84	-0.54
740760.7	993924.9	9800	11.38	-0.94
740762.9	993915.1	9790	11.51	-0.82
740765.2	993905.4	9780	12.27	-0.49
740767.4	993895.6	9770	11.90	-0.50
740769.7	993885.9	9760	11.26	-0.29
740771.9	993876.1	9750	10.83	-0.42
740774.2	993866.4	9740	10.65	-0.40
740776.4	993856.7	9730	10.16	-0.61
740778.7	993846.9	9720	10.25	-0.67

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740780.9	993837.2	9710	10.16	-0.49	740895.7	993340.3	9200	13.28	-0.55
740783.2	993827.4	9700	10.10	-0.30	740897.9	993330.5	9190	12.66	-0.53
740785.4	993817.7	9690	9.95	-0.37	740900.2	993320.8	9180	11.72	-0.57
740787.7	993807.9	9680	9.77	-0.47	740902.4	993311	9170	12.05	-0.53
740789.9	993798.2	9670	9.95	-0.13	740904.7	993301.3	9160	11.72	-0.52
740792.2	993788.4	9660	9.89	-0.56	740906.9	993291.5	9150	10.89	-0.55
740794.4	993778.7	9650	9.83	-0.51	740909.2	993281.8	9140	11.17	-0.39
740796.7	993768.9	9640	9.46	-0.53	740911.4	993272.1	9130	11.05	-0.02
740798.9	993759.3	9630	9.95	-0.45	740913.7	993262.3	9120	11.35	-0.22
740801.2	993749.5	9620	9.80	-0.40	740915.9	993252.6	9110	10.93	-0.26
740803.4	993739.8	9610	9.98	-0.10	740918.2	993242.8	9100	11.23	-0.47
740805.7	993730	9600	9.98	-0.54	740920.4	993233.1	9090	11.41	-0.38
740807.9	993720.3	9590	10.74	-0.47	740922.7	993223.3	9080	11.57	-0.08
740810.2	993710.5	9580	10.74	-0.50	740924.9	993213.6	9070	11.26	-0.57
740812.4	993700.8	9570	10.93	-0.56	740927.2	993203.8	9060	11.38	-0.63
740814.7	993691	9560	10.96	-0.26	740929.4	993194.1	9050	11.81	-0.42
740816.9	993681.3	9550	11.14	-0.37	740931.7	993184.4	9040	12.15	-0.47
740819.2	993671.5	9540	11.11	-0.34	740933.9	993174.6	9030	13.00	-0.42
740821.4	993661.8	9530	10.22	-0.35	740936.2	993164.9	9020	12.08	-0.66
740823.7	993652.1	9520	11.02	-0.56	740938.4	993155.1	9010	11.35	-0.51
740825.9	993642.3	9510	11.11	-0.32	740940.7	993145.4	9000	11.14	-0.55
740828.2	993632.6	9500	11.29	-0.42	740942.9	993135.6	8990	11.93	-0.61
740830.4	993622.8	9490	11.29	-0.47	740945.2	993125.9	8980	11.81	-0.61
740832.7	993613.1	9480	11.05	-0.28	740947.4	993116.1	8970	11.26	-0.48
740834.9	993603.3	9470	11.11	-0.44	740949.7	993106.4	8960	11.93	-0.62
740837.2	993593.6	9460	11.35	-0.47	740951.9	993096.6	8950	12.54	-0.78
740839.4	993583.8	9450	11.38	-0.39	740954.2	993086.9	8940	11.63	-0.67
740841.7	993574.1	9440	12.27	-0.35	740956.4	993077.2	8930	11.02	-0.58
740843.9	993564.4	9430	14.40	-0.70	740958.7	993067.4	8920	11.29	-0.49
740846.2	993554.6	9420	20.94	-0.63	740960.9	993057.7	8910	11.66	-0.63
740848.4	993544.9	9410	26.43	-0.74	740963.2	993047.9	8900	11.44	-0.11
740850.7	993535.1	9400	10.86	-0.40	740965.4	993038.2	8890	11.96	-0.44
740852.9	993525.4	9390	24.78	-0.92	740967.7	993028.4	8880	11.84	-0.47
740855.2	993515.6	9380	20.72	-0.30	740969.9	993018.7	8870	11.84	-0.46
740857.4	993505.9	9370	11.54	-0.35	740972.2	993008.9	8860	11.90	-0.63
740859.7	993496.1	9360	11.81	-0.34	740974.4	992999.2	8850	12.12	-0.36
740861.9	993486.4	9350	12.79	-0.38	740976.7	992989.5	8840	11.90	-0.19
740864.2	993476.7	9340	12.48	-0.26	740978.9	992979.8	8830	11.38	-0.52
740866.4	993466.9	9330	12.54	-0.40	740981.2	992970	8820	11.75	-0.45
740868.7	993457.2	9320	12.05	-0.37	740983.4	992960.3	8810	11.44	-0.46
740870.9	993447.4	9310	11.96	-0.65	740985.7	992950.5	8800	11.29	-0.40
740873.2	993437.7	9300	11.87	-0.51	740987.9	992940.8	8790	11.47	-0.43
740875.4	993427.9	9290	12.36	-0.41	740990.2	992931	8780	11.32	-0.46
740877.7	993418.2	9280	12.15	-0.39	740992.4	992921.3	8770	11.20	-0.50
740879.9	993408.4	9270	11.51	-0.29	740994.7	992911.5	8760	10.71	-0.36
740882.2	993398.7	9260	12.15	-0.42	740996.9	992901.8	8750	11.05	-0.43
740884.4	993388.9	9250	11.26	-0.62	740999.2	992892.1	8740	10.89	-0.48
740886.7	993379.3	9240	11.93	-0.43	741001.4	992882.3	8730	10.74	-0.49
740888.9	993369.5	9230	11.29	-0.54	741003.7	992872.6	8720	10.89	-0.56
740891.2	993359.8	9220	12.42	-0.12	741005.9	992862.8	8710	11.14	-0.40
740893.4	993350	9210	12.18	-0.39	741008.1	992853.1	8700	10.86	-0.42

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
741010.4	992843.3	8690	10.80	-0.34	741006.9	993052.4	8900	11.47	-0.46
741012.6	992833.6	8680	10.62	-0.40	741004.6	993062.1	8910	11.14	-0.43
741014.9	992823.8	8670	10.19	-0.37	741002.4	993071.9	8920	10.62	-0.41
741017.1	992814.1	8660	11.20	-0.40	741000.1	993081.6	8930	10.13	-0.36
741019.4	992804.3	8650	10.31	-0.46	740997.9	993091.4	8940	10.50	-0.42
741021.6	992794.6	8640	10.35	-0.41	740995.6	993101.1	8950	10.25	-0.42
741023.9	992784.9	8630	11.32	-0.41	740993.4	993110.9	8960	10.35	-0.38
741026.1	992775.1	8620	10.44	-0.32	740991.1	993120.6	8970	10.19	-0.37
741028.4	992765.4	8610	10.62	-0.11	740988.9	993130.3	8980	10.96	-0.49
741030.6	992755.6	8600	10.93	-0.66	740986.6	993140.1	8990	11.02	-0.47
741032.9	992745.9	8590	11.26	-0.62	740984.4	993149.8	9000	11.14	-0.49
741035.1	992736.1	8580	11.20	-0.50	740982.1	993159.6	9010	10.96	-0.47
741037.4	992726.4	8570	10.77	-0.60	740979.9	993169.3	9020	10.68	-0.55
741039.6	992716.6	8560	10.80	-0.55	740977.6	993179.1	9030	10.59	-0.29
741041.9	992706.9	8550	10.68	-0.46	740975.4	993188.8	9040	10.10	-0.26
741041.9	992706.9	8550	10.68	-0.46	740973.1	993198.6	9050	9.83	-0.48
741085.6	992711.4	8550	9.89	-0.55	740970.9	993208.3	9060	9.83	-0.40
741083.4	992721.1	8560	9.74	-0.63	740968.6	993218	9070	9.55	-0.42
741081.1	992730.8	8570	10.28	-0.53	740966.4	993227.8	9080	9.19	-0.27
741078.9	992740.6	8580	10.56	-0.65	740964.1	993237.5	9090	9.43	-0.44
741076.6	992750.3	8590	10.96	-0.51	740961.9	993247.3	9100	9.74	-0.39
741074.4	992760.1	8600	10.47	-0.58	740959.6	993257	9110	9.74	-0.59
741072.1	992769.8	8610	10.47	-0.47	740957.4	993266.8	9120	9.80	-0.41
741069.9	992779.6	8620	10.65	-0.09	740955.1	993276.5	9130	9.67	-0.43
741067.6	992789.3	8630	10.96	-0.46	740952.9	993286.3	9140	9.80	-0.46
741065.4	992799.1	8640	10.71	-0.43	740950.6	993296	9150	9.95	-0.61
741063.1	992808.8	8650	10.77	-0.45	740948.4	993305.8	9160	9.92	-0.54
741060.9	992818.6	8660	10.86	-0.50	740946.1	993315.4	9170	10.28	-0.41
741058.6	992828.3	8670	11.26	-0.11	740943.9	993325.2	9180	10.38	-0.51
741056.4	992838	8680	10.47	-0.40	740941.6	993334.9	9190	10.53	-0.55
741054.1	992847.8	8690	10.50	-0.47	740939.4	993344.7	9200	10.71	-0.47
741051.9	992857.5	8700	10.89	-0.48	740937.1	993354.4	9210	11.23	-0.59
741049.6	992867.3	8710	11.14	-0.46	740934.9	993364.2	9220	10.80	-0.68
741047.4	992877	8720	10.89	-0.26	740932.6	993373.9	9230	10.93	-0.41
741045.1	992886.8	8730	10.86	-0.40	740930.4	993383.7	9240	11.08	-0.57
741042.9	992896.5	8740	10.96	-0.36	740928.1	993393.4	9250	10.62	-0.37
741040.6	992906.3	8750	11.47	-0.27	740925.9	993403.1	9260	11.20	-0.40
741038.4	992916	8760	11.41	-0.48	740923.6	993412.9	9270	11.51	-0.42
741036.1	992925.7	8770	10.89	-0.57	740921.4	993422.6	9280	11.26	-0.40
741033.9	992935.4	8780	11.17	-0.65	740919.1	993432.4	9290	11.78	-0.50
741031.6	992945.2	8790	11.20	-0.70	740916.9	993442.1	9300	11.38	-0.16
741029.4	992954.9	8800	11.32	-0.12	740914.6	993451.9	9310	11.35	-0.43
741027.1	992964.7	8810	10.99	-0.04	740912.4	993461.6	9320	11.17	-0.50
741024.9	992974.4	8820	11.38	-0.63	740910.2	993471.4	9330	11.35	-0.17
741022.6	992984.2	8830	11.78	-0.54	740907.9	993481.1	9340	11.41	-0.46
741020.4	992993.9	8840	11.63	-0.62	740905.7	993490.9	9350	11.44	-0.43
741018.1	993003.7	8850	11.38	-0.56	740903.4	993500.6	9360	11.47	-0.47
741015.9	993013.4	8860	11.44	-0.58	740901.2	993510.3	9370	11.69	-0.57
741013.6	993023.1	8870	11.69	-0.48	740898.9	993520.1	9380	11.69	-0.14
741011.4	993032.9	8880	11.47	-0.45	740896.7	993529.8	9390	11.75	-0.47
741009.1	993042.6	8890	11.38	-0.51	740894.4	993539.6	9400	11.66	-0.37

Easting	Northing	Station	Conduct.	In-Phase
740892.2	993549.3	9410	10.89	-0.49
740889.9	993559.1	9420	11.26	-0.43
740887.7	993568.8	9430	11.63	-0.38
740885.4	993578.6	9440	11.08	-0.40
740883.2	993588.3	9450	10.74	-0.55
740880.9	993598	9460	10.31	-0.32
740878.7	993607.8	9470	10.59	-0.47
740876.4	993617.5	9480	10.74	-0.40
740874.2	993627.3	9490	9.95	-0.43
740871.9	993637	9500	9.95	-0.44
740869.7	993646.8	9510	10.50	-0.41
740867.4	993656.5	9520	10.22	-0.48
740865.2	993666.3	9530	10.16	-0.38
740862.9	993676	9540	10.01	-0.43
740860.7	993685.8	9550	10.44	-0.49
740858.4	993695.4	9560	10.83	-0.20
740856.2	993705.2	9570	19.01	-0.78
740853.9	993714.9	9580	36.44	-0.57
740851.7	993724.7	9590	25.76	-0.72
740849.4	993734.4	9600	-8.03	-0.13
740847.2	993744.2	9610	5.65	-0.34
740844.9	993753.9	9620	20.51	-0.88
740842.7	993763.7	9630	16.91	-0.63
740840.4	993773.4	9640	10.93	-0.66
740838.2	993783.2	9650	10.10	-0.07
740835.9	993792.9	9660	9.64	-0.46
740833.7	993802.6	9670	9.43	-0.63
740831.4	993812.4	9680	9.28	-0.55
740829.2	993822.1	9690	9.19	-0.46
740826.9	993831.9	9700	9.34	-0.51
740824.7	993841.6	9710	8.76	-0.55
740822.4	993851.4	9720	8.97	-0.53
740820.2	993861.1	9730	9.46	-0.52
740817.9	993870.9	9740	9.19	-0.46
740815.7	993880.6	9750	9.22	-0.64
740813.4	993890.3	9760	9.37	-0.32
740811.2	993900.1	9770	10.13	-0.07
740808.9	993909.8	9780	10.07	-0.36
740806.7	993919.6	9790	9.83	-0.62
740804.4	993929.3	9800	9.64	-0.58
740802.2	993939.1	9810	9.46	-0.67
740799.9	993948.8	9820	10.28	-0.63
740797.7	993958.6	9830	11.14	-0.47
740795.4	993968.3	9840	10.80	-0.61
740793.2	993978.1	9850	10.68	-0.62
740790.9	993987.8	9860	10.47	-0.49
740788.7	993997.5	9870	11.14	-0.56
740786.4	994007.3	9880	11.44	-0.21
740784.2	994017	9890	11.38	-0.27
740781.9	994026.8	9900	11.57	-0.29
740779.7	994036.5	9910	11.44	-0.17
740777.4	994046.3	9920	11.60	-0.36
740775.2	994056	9930	11.87	-0.36
740772.9	994065.8	9940	11.99	-0.52
740770.7	994075.5	9950	12.24	-0.22
740768.4	994085.2	9960	12.05	-0.51
740766.2	994094.9	9970	12.21	-0.44
740763.9	994104.7	9980	11.93	-0.35
740761.7	994114.4	9990	12.08	-0.55
740759.4	994124.2	10000	11.29	-0.54
LINE 1620				
740737.6	994122	10000	11.84	-0.76
740739.8	994112.3	9990	11.60	-0.37
740742.1	994102.5	9980	12.48	-0.43
740744.3	994092.8	9970	11.54	-0.22
740746.6	994083.1	9960	11.84	-0.51
740748.8	994073.3	9950	12.08	-0.62
740751.1	994063.6	9940	12.45	-0.41
740753.3	994053.8	9930	12.24	-0.57
740755.6	994044.1	9920	12.21	-0.59
740757.8	994034.3	9910	12.54	-0.55
740760.1	994024.6	9900	12.60	-0.53
740762.3	994014.8	9890	12.15	-0.47
740764.6	994005.1	9880	11.69	-0.33
740766.8	993995.4	9870	11.17	-0.53
740769.1	993985.6	9860	11.54	-0.46
740771.3	993975.9	9850	11.17	-0.41
740773.6	993966.1	9840	10.59	-0.36
740775.8	993956.4	9830	11.08	-0.36
740778.1	993946.6	9820	11.14	-0.67
740780.3	993936.9	9810	13.34	-0.64
740782.6	993927.1	9800	11.11	-0.79
740784.8	993917.4	9790	10.50	-0.71
740787.1	993907.6	9780	10.65	-0.72
740789.3	993897.9	9770	10.65	-0.52
740791.6	993888.2	9760	10.19	-0.41
740793.8	993878.4	9750	10.01	-0.59
740796.1	993868.7	9740	9.61	-0.50
740798.3	993858.9	9730	9.77	-0.60
740800.6	993849.2	9720	9.67	-0.50
740802.8	993839.4	9710	9.92	-0.63
740805.1	993829.7	9700	9.55	-0.51
740807.3	993819.9	9690	10.19	-0.32
740809.6	993810.2	9680	9.80	-0.48
740811.8	993800.5	9670	9.52	-0.48
740814.1	993790.8	9660	9.46	-0.67
740816.3	993781	9650	9.80	-0.33
740818.6	993771.3	9640	9.67	-0.43
740820.8	993761.5	9630	9.49	-0.44
740823.1	993751.8	9620	9.55	-0.44
740825.3	993742	9610	9.80	-0.61
740827.6	993732.3	9600	10.35	-0.65

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740829.8	993722.5	9590	10.38	-0.47	740944.5	993225.6	9080	11.69	-0.66
740832.1	993712.8	9580	11.23	-0.69	740946.8	993215.9	9070	10.83	-0.57
740834.3	993703.1	9570	11.51	-0.59	740949	993206.1	9060	10.74	-0.75
740836.6	993693.3	9560	11.08	-0.29	740951.3	993196.4	9050	11.35	-0.58
740838.8	993683.6	9550	11.08	-0.65	740953.5	993186.6	9040	11.32	-0.58
740841.1	993673.8	9540	10.80	-0.79	740955.8	993176.9	9030	11.51	-0.24
740843.3	993664.1	9530	10.93	-0.39	740958	993167.1	9020	11.84	-0.21
740845.6	993654.3	9520	10.86	-0.63	740960.3	993157.4	9010	11.87	-0.66
740847.8	993644.6	9510	10.83	-0.70	740962.5	993147.6	9000	12.15	-0.48
740850.1	993634.8	9500	11.32	-0.68	740964.8	993137.9	8990	11.54	-0.72
740852.3	993625.1	9490	11.11	-0.55	740967	993128.2	8980	11.29	-0.82
740854.6	993615.3	9480	11.20	-0.48	740969.3	993118.4	8970	11.54	-0.66
740856.8	993605.6	9470	10.80	-0.30	740971.5	993108.7	8960	11.90	-0.70
740859.1	993595.9	9460	12.51	-0.70	740973.8	993098.9	8950	12.02	-0.73
740861.3	993586.1	9450	12.27	-0.79	740976	993089.2	8940	11.08	-0.70
740863.6	993576.4	9440	13.15	-0.74	740978.3	993079.4	8930	11.20	-0.73
740865.8	993566.6	9430	14.19	-0.49	740980.5	993069.7	8920	10.62	-0.72
740868.1	993556.9	9420	13.24	-0.56	740982.8	993059.9	8910	11.29	-0.63
740870.3	993547.1	9410	12.39	-0.51	740985	993050.2	8900	11.35	-0.76
740872.6	993537.4	9400	13.55	-0.65	740987.3	993040.4	8890	11.78	-0.74
740874.8	993527.6	9390	13.79	-0.75	740989.5	993030.8	8880	11.81	-0.58
740877.1	993517.9	9380	13.03	-0.62	740991.8	993021	8870	11.87	-0.47
740879.3	993508.2	9370	12.27	-0.54	740994	993011.3	8860	12.15	-0.61
740881.6	993498.4	9360	12.45	-0.52	740996.3	993001.5	8850	11.84	-0.70
740883.8	993488.7	9350	13.61	-0.54	740998.5	992991.8	8840	11.63	-0.82
740886.1	993478.9	9340	12.12	-0.63	741000.8	992982	8830	11.78	-0.53
740888.3	993469.2	9330	11.72	-0.85	741003	992972.3	8820	11.96	-0.47
740890.6	993459.4	9320	11.96	-0.57	741005.3	992962.5	8810	11.41	-0.62
740892.8	993449.7	9310	12.30	-0.37	741007.5	992952.8	8800	11.17	-0.64
740895.1	993439.9	9300	12.08	-0.42	741009.8	992943	8790	11.60	-0.31
740897.3	993430.2	9290	11.84	-0.51	741012	992933.3	8780	11.35	-0.49
740899.6	993420.4	9280	11.90	-0.61	741014.3	992923.6	8770	10.86	-0.60
740901.8	993410.8	9270	11.96	-0.65	741016.5	992913.8	8760	11.35	-0.58
740904.1	993401	9260	12.02	-0.58	741018.8	992904.1	8750	11.17	-0.42
740906.3	993391.3	9250	11.72	-0.57	741021	992894.3	8740	10.77	-0.61
740908.5	993381.5	9240	11.08	-0.54	741023.3	992884.6	8730	11.38	-0.54
740910.8	993371.8	9230	11.63	-0.70	741025.5	992874.8	8720	11.23	-0.59
740913	993362	9220	10.99	-0.68	741027.8	992865.1	8710	11.05	-0.37
740915.3	993352.3	9210	11.90	-0.43	741030	992855.3	8700	10.80	-0.63
740917.5	993342.5	9200	11.78	-0.70	741032.3	992845.6	8690	10.71	-0.67
740919.8	993332.8	9190	11.23	-0.59	741034.5	992835.9	8680	10.65	-0.49
740922	993323	9180	11.29	-0.59	741036.8	992826.1	8670	10.68	-0.54
740924.3	993313.3	9170	11.54	-0.60	741039	992816.4	8660	10.96	-0.60
740926.5	993303.6	9160	11.17	-0.49	741041.3	992806.6	8650	11.08	-0.64
740928.8	993293.8	9150	10.53	-0.56	741043.5	992796.9	8640	10.83	-0.58
740931	993284.1	9140	11.08	-0.64	741045.8	992787.1	8630	10.65	-0.25
740933.3	993274.3	9130	10.96	-0.64	741048	992777.4	8620	10.28	-0.79
740935.5	993264.6	9120	11.20	-0.45	741050.3	992767.6	8610	11.20	-0.36
740937.8	993254.8	9110	10.35	-0.50	741052.5	992757.9	8600	10.62	-0.53
740940	993245.1	9100	10.01	-0.61	741054.8	992748.1	8590	11.26	-0.55
740942.3	993235.3	9090	11.72	-0.65	741057	992738.4	8580	10.86	-0.72

Easting	Northing	Station	Conduct.	In-Phase
741059.3	992728.7	8570	10.74	-0.61
741061.5	992718.9	8560	10.62	-0.61
741063.8	992709.2	8550	10.44	-0.52
741066	992699.4	8540	10.07	-0.55
741068.3	992689.7	8530	10.16	-0.64
741070.5	992679.9	8520	10.80	-0.69
741107.4	992713.6	8550	4.70	-3.21
741105.2	992723.4	8560	11.51	-0.30
741102.9	992733.1	8570	10.31	-0.65
741100.7	992742.9	8580	10.16	-0.13
741098.4	992752.6	8590	10.80	-0.65
741096.3	992762.4	8600	10.86	-0.58
741094	992772.1	8610	10.68	-0.78
741091.8	992781.8	8620	10.31	-0.65
741089.5	992791.6	8630	11.35	-0.39
741087.3	992801.3	8640	10.31	-0.63
741085	992811.1	8650	10.83	-0.50
741082.8	992820.8	8660	11.51	-0.81
741080.5	992830.6	8670	10.28	-0.53
741078.3	992840.3	8680	10.80	-0.69
741076	992850.1	8690	10.86	-0.40
741073.8	992859.8	8700	10.77	-0.39
741071.5	992869.5	8710	10.83	-0.66
741069.3	992879.3	8720	10.80	-0.59
741067	992889	8730	10.65	-0.81
741064.8	992898.8	8740	11.20	-0.77
741062.5	992908.5	8750	10.89	-0.84
741060.3	992918.3	8760	11.38	-0.81
741058	992928	8770	10.96	-0.72
741055.8	992937.8	8780	10.93	-0.75
741053.5	992947.5	8790	10.62	-0.79
741051.3	992957.3	8800	11.05	-0.78
741049	992966.9	8810	10.77	-0.41
741046.8	992976.7	8820	10.93	-0.39
741044.5	992986.4	8830	11.44	-0.66
741042.3	992996.2	8840	11.41	-0.74
741040	993005.9	8850	10.65	-0.67
741037.8	993015.7	8860	10.74	-0.86
741035.5	993025.4	8870	10.71	-0.66
741033.3	993035.2	8880	11.14	-0.19
741031	993044.9	8890	11.20	-0.24
741028.8	993054.6	8900	11.47	-0.53
741026.5	993064.4	8910	11.11	-0.69
741024.3	993074.1	8920	10.59	-0.30
741022	993083.9	8930	11.32	-0.45
741019.8	993093.6	8940	10.74	-0.69
741017.5	993103.4	8950	10.38	-0.71
741015.3	993113.1	8960	10.31	-0.69
741013	993122.9	8970	11.38	-0.81
741010.8	993132.6	8980	10.35	-0.66
741008.5	993142.4	8990	9.95	-0.73
741006.3	993152.1	9000	10.89	-0.63
741004	993161.8	9010	10.74	-0.88
741001.8	993171.6	9020	10.80	-0.70
740999.5	993181.3	9030	9.55	-0.75
740997.3	993191.1	9040	9.43	-0.64
740995	993200.8	9050	9.46	-0.75
740992.8	993210.6	9060	9.46	-0.65
740990.5	993220.3	9070	8.85	-0.90
740988.3	993230.1	9080	9.12	-0.68
740986	993239.8	9090	9.06	-0.80
740983.8	993249.5	9100	11.38	-0.72
740981.5	993259.3	9110	10.07	-0.77
740979.3	993269	9120	9.37	-0.75
740977	993278.8	9130	9.31	-0.69
740974.8	993288.5	9140	9.64	-0.62
740972.5	993298.3	9150	9.58	-0.53
740970.3	993308	9160	9.61	-0.81
740968	993317.8	9170	9.67	-0.63
740965.8	993327.5	9180	9.83	-0.88
740963.5	993337.3	9190	10.07	-0.85
740961.3	993346.9	9200	9.86	-0.94
740959	993356.7	9210	10.13	-0.69
740956.8	993366.4	9220	10.31	-0.18
740954.5	993376.2	9230	10.38	-0.68
740952.3	993385.9	9240	10.71	-0.53
740950	993395.7	9250	10.31	-0.59
740947.8	993405.4	9260	11.23	-0.44
740945.5	993415.2	9270	10.83	-0.48
740943.3	993424.9	9280	10.93	-0.63
740941	993434.7	9290	10.96	-0.56
740938.8	993444.4	9300	11.02	-0.66
740936.5	993454.1	9310	11.38	-0.74
740934.3	993463.9	9320	11.14	-0.69
740932	993473.6	9330	11.08	-0.64
740929.8	993483.4	9340	11.20	-0.71
740927.5	993493.1	9350	11.05	-0.28
740925.3	993502.9	9360	[illegible]	-0.78
740923	993512.6	9370	11.47	-0.62
740920.8	993522.4	9380	10.96	-0.77
740918.5	993532.1	9390	10.68	-0.76
740916.3	993541.8	9400	10.83	-0.72
740914	993551.6	9410	10.86	-0.83
740911.8	993561.3	9420	10.50	-0.72
740909.5	993571.1	9430	10.28	-0.88
740907.3	993580.8	9440	10.59	-0.40
740905	993590.6	9450	10.38	-0.40
740902.8	993600.3	9460	9.98	-0.57
740900.5	993610.1	9470	10.16	-0.24
740898.3	993619.8	9480	9.34	-0.58
740896	993629.6	9490	9.43	-0.59
740893.8	993639.3	9500	9.80	-0.63

Easting	Northing	Station	Conduct.	In-Phase
740891.5	993649	9510	9.74	-0.48
740889.3	993658.8	9520	9.74	-0.54
740887	993668.5	9530	9.74	-0.43
740884.8	993678.3	9540	9.31	-0.51
740882.5	993688	9550	9.92	-0.12
740880.3	993697.8	9560	11.51	-0.37
740878	993707.5	9570	10.71	-0.68
740875.8	993717.3	9580	11.63	-0.48
740873.5	993727	9590	11.26	-0.12
740871.3	993736.7	9600	11.11	-0.29
740869	993746.4	9610	10.47	-0.57
740866.8	993756.2	9620	11.35	-0.40
740864.5	993765.9	9630	11.47	-0.18
740862.3	993775.7	9640	10.68	-0.54
740860	993785.4	9650	8.97	-0.07
740857.8	993795.2	9660	9.86	-0.29
740855.5	993804.9	9670	10.77	-0.43
740853.3	993814.7	9680	8.24	-0.29
740851	993824.4	9690	8.97	-0.38
740848.8	993834.1	9700	9.09	-0.37
740846.5	993843.9	9710	8.48	-0.45
740844.3	993853.6	9720	8.36	-0.19
740842	993863.4	9730	9.61	-0.48
740839.8	993873.1	9740	9.61	-0.61
740837.5	993882.9	9750	9.40	-0.51
740835.3	993892.6	9760	9.67	-0.49
740833	993902.4	9770	9.49	0.00
740830.8	993912.1	9780	9.43	-0.33
740828.5	993921.9	9790	9.86	-0.61
740826.3	993931.6	9800	10.04	-0.67
740824	993941.3	9810	10.50	-0.86
740821.8	993951.1	9820	10.35	-0.67
740819.5	993960.8	9830	10.65	-0.83
740817.3	993970.6	9840	10.86	-0.35
740815	993980.3	9850	10.80	-0.24
740812.8	993990.1	9860	11.02	-0.18
740810.6	993999.8	9870	11.38	-0.10
740808.3	994009.6	9880	11.20	-0.20
740806.1	994019.3	9890	11.75	-0.24
740803.8	994029	9900	11.51	-0.20
740801.6	994038.8	9910	11.41	-0.09
740799.3	994048.5	9920	11.66	-0.31
740797.1	994058.3	9930	11.81	-0.19
740794.8	994068	9940	11.99	-0.32
740792.6	994077.8	9950	11.99	-0.57
740790.3	994087.5	9960	11.87	-0.60
740788.1	994097.3	9970	12.02	-0.29
740785.8	994107	9980	12.08	-0.37
740783.6	994116.8	9990	11.81	-0.38
740781.3	994126.4	10000	11.93	-0.32

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Easting	Northing	Station	Conduct.	In-Phase
740803.1	994128.8	10000	11.81	-0.62
740805.4	994119	9990	11.60	-0.63
740807.6	994109.3	9980	11.20	-0.73
740809.9	994099.5	9970	11.93	-0.67
740812.1	994089.8	9960	12.15	-0.60
740814.4	994080	9950	11.84	-0.54
740816.6	994070.3	9940	11.14	-0.63
740818.9	994060.5	9930	11.23	-0.52
740821.1	994050.8	9920	11.54	-0.63
740823.4	994041.1	9910	11.14	-0.65
740825.6	994031.3	9900	10.62	-0.54
740827.9	994021.6	9890	11.41	-0.85
740830.1	994011.8	9880	11.38	-0.43
740832.4	994002.1	9870	11.11	-0.52
740834.6	993992.3	9860	11.11	-0.62
740836.9	993982.6	9850	11.14	-0.43
740839.1	993972.8	9840	10.22	-0.43
740841.4	993963.1	9830	10.22	-0.54
740843.6	993953.4	9820	10.56	-0.50
740845.9	993943.6	9810	12.08	-0.66
740848.1	993933.9	9800	13.49	-0.56
740850.4	993924.1	9790	10.16	-0.63
740852.6	993914.4	9780	8.48	-0.43
740854.9	993904.6	9770	11.20	-0.60
740857.1	993894.9	9760	14.47	-0.70
740859.4	993885.1	9750	2.32	-0.95
740861.6	993875.4	9740	9.52	-0.49
740863.9	993865.6	9730	8.39	-0.49
740866.1	993855.9	9720	8.03	-0.61
740868.4	993846.2	9710	8.54	-0.73
740870.6	993836.4	9700	9.49	-0.55
740872.9	993826.7	9690	8.64	-0.56
740875.1	993816.9	9680	8.79	-0.55
740877.4	993807.2	9670	8.45	-0.50
740879.6	993797.4	9660	8.66	-0.46
740881.9	993787.7	9650	8.66	-0.64
740884.1	993777.9	9640	8.73	-0.66
740886.4	993768.3	9630	7.60	-0.49
740888.6	993758.5	9620	10.86	-0.53
740890.9	993748.8	9610	9.77	-0.45
740893.1	993739	9600	9.09	-0.60
740895.4	993729.3	9590	9.03	-0.64
740897.6	993719.5	9580	8.21	-0.51
740899.9	993709.8	9570	9.67	-0.66
740902.1	993700	9560	9.16	-0.58
740904.4	993690.3	9550	8.97	-0.53
740906.6	993680.5	9540	9.40	-0.81
740908.9	993670.8	9530	8.79	-0.74
740911.1	993661.1	9520	9.37	-0.66
740913.4	993651.3	9510	9.61	-0.54
740915.6	993641.6	9500	9.52	-0.63

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740917.9	993631.8	9490	9.70	-0.61	741032.6	993134.9	8980	11.20	-0.41
740920.1	993622.1	9480	9.67	-0.57	741034.8	993125.1	8970	13.43	-0.75
740922.4	993612.3	9470	10.04	-0.73	741037.1	993115.4	8960	18.10	-0.53
740924.6	993602.6	9460	10.22	-0.75	741039.3	993105.6	8950	24.29	-0.79
740926.9	993592.8	9450	10.25	-0.75	741041.6	993095.9	8940	37.35	-0.97
740929.1	993583.1	9440	10.41	-0.72	741043.8	993086.2	8930	39.67	-0.84
740931.4	993573.4	9430	10.38	-0.51	741046.1	993076.4	8920	49.68	-0.80
740933.6	993563.6	9420	10.19	-0.68	741048.3	993066.7	8910	-22.64	-0.65
740935.9	993553.9	9410	10.04	-0.80	741050.6	993056.9	8900	6.38	-0.47
740938.1	993544.1	9400	10.74	-0.56	741052.8	993047.2	8890	15.20	-0.71
740940.4	993534.4	9390	10.50	-0.46	741055.1	993037.4	8880	12.18	-0.54
740942.6	993524.6	9380	10.56	-0.54	741057.3	993027.7	8870	9.95	-0.99
740944.9	993514.9	9370	11.02	-0.79	741059.6	993017.9	8860	9.74	-0.59
740947.1	993505.1	9360	10.99	-0.57	741061.8	993008.2	8850	9.95	-0.51
740949.4	993495.4	9350	10.99	-0.55	741064.1	992998.4	8840	10.38	-0.60
740951.6	993485.6	9340	10.89	-0.61	741066.3	992988.8	8830	10.13	-0.70
740953.9	993475.9	9330	10.68	-0.75	741068.6	992979	8820	10.28	-0.52
740956.1	993466.2	9320	10.80	-0.60	741070.8	992969.3	8810	10.56	-0.70
740958.4	993456.4	9310	10.68	-0.64	741073.1	992959.5	8800	10.01	-0.71
740960.6	993446.7	9300	10.35	-0.49	741075.3	992949.8	8790	10.68	-0.65
740962.9	993436.9	9290	10.41	-0.52	741077.6	992940	8780	10.96	-0.69
740965.1	993427.2	9280	10.10	-0.61	741079.8	992930.3	8770	10.31	-0.55
740967.4	993417.4	9270	10.96	-0.72	741082.1	992920.5	8760	10.01	-0.68
740969.6	993407.7	9260	10.50	-0.56	741084.3	992910.8	8750	10.53	-0.94
740971.9	993397.9	9250	10.83	-0.65	741086.6	992901	8740	11.14	-0.44
740974.1	993388.2	9240	9.19	-0.45	741088.8	992891.3	8730	10.59	-0.75
740976.4	993378.5	9230	9.49	-0.47	741091.1	992881.6	8720	10.59	-0.69
740978.6	993368.8	9220	9.64	-0.56	741093.3	992871.8	8710	10.59	-0.79
740980.9	993359	9210	9.74	-0.66	741095.6	992862.1	8700	11.02	-0.73
740983.1	993349.3	9200	9.03	-0.43	741097.8	992852.3	8690	10.93	-0.61
740985.4	993339.5	9190	8.94	-0.58	741100.1	992842.6	8680	10.68	-0.74
740987.6	993329.8	9180	9.12	-0.59	741102.3	992832.8	8670	10.83	-0.72
740989.9	993320	9170	9.28	-0.40	741104.6	992823.1	8660	10.93	-0.57
740992.1	993310.3	9160	9.03	-0.43	741106.8	992813.3	8650	12.42	-0.63
740994.4	993300.5	9150	9.25	-0.56	741109.1	992803.6	8640	12.21	-0.67
740996.6	993290.8	9140	8.66	-0.76	741111.3	992793.9	8630	11.11	-0.71
740998.8	993281.1	9130	8.76	-0.50	741113.6	992784.1	8620	11.02	-0.63
741001.1	993271.3	9120	8.88	-0.50	741115.8	992774.4	8610	10.89	-0.56
741003.3	993261.6	9110	8.94	-0.47	741118.1	992764.6	8600	10.53	-0.63
741005.6	993251.8	9100	8.42	-0.43	741120.3	992754.9	8590	10.86	-0.63
741007.8	993242.1	9090	8.36	-0.58	741122.6	992745.1	8580	10.89	-0.55
741010.1	993232.3	9080	8.76	-0.52	741124.8	992735.4	8570	10.13	-0.45
741012.3	993222.6	9070	9.06	-0.41	741127.1	992725.6	8560	9.74	-0.90
741014.6	993212.8	9060	9.22	-0.54	741129.3	992715.9	8550	14.65	-1.38
741016.8	993203.1	9050	9.00	-0.49	741129.3	992715.9	8550	14.65	-1.38
741019.1	993193.3	9040	9.25	-0.50	741157.9	992688.9	8520	9.49	-0.59
741021.3	993183.6	9030	9.55	-0.45	741155.7	992698.7	8530	9.55	-0.76
741023.6	993173.9	9020	9.19	-0.59	741153.4	992708.4	8540	10.22	-0.45
741025.8	993164.1	9010	9.37	-0.45	741151.2	992718.2	8550	10.28	-0.67
741028.1	993154.4	9000	9.70	-0.85	741148.9	992727.9	8560	10.16	-0.68
741030.3	993144.6	8990	10.16	-0.68	741146.7	992737.7	8570	10.19	-0.70

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
741144.4	992747.4	8580	10.19	-0.69	741029.7	993244.3	9090	8.82	-0.59
741142.2	992757.1	8590	10.25	-0.63	741027.4	993254.1	9100	8.79	-0.56
741139.9	992766.9	8600	10.31	-0.63	741025.2	993263.8	9110	8.73	-0.44
741137.7	992776.6	8610	10.28	-0.59	741022.9	993273.6	9120	8.54	-0.43
741135.4	992786.4	8620	10.59	-0.61	741020.7	993283.3	9130	8.61	-0.53
741133.2	992796.1	8630	10.53	-0.68	741018.4	993293.1	9140	8.82	-0.42
741130.9	992805.9	8640	11.44	-0.47	741016.2	993302.8	9150	9.16	-0.60
741128.7	992815.6	8650	11.44	-0.57	741013.9	993312.6	9160	8.61	-0.94
741126.4	992825.4	8660	11.54	-0.66	741011.7	993322.3	9170	8.79	-0.42
741124.2	992835.1	8670	11.38	-0.53	741009.4	993332	9180	8.85	-0.39
741121.9	992844.8	8680	10.44	-0.64	741007.2	993341.8	9190	8.94	-0.42
741119.7	992854.6	8690	10.68	-0.76	741004.9	993351.5	9200	8.79	-0.91
741117.4	992864.3	8700	10.41	-0.53	741002.7	993361.3	9210	9.12	-0.41
741115.2	992874.1	8710	10.50	-0.49	741000.4	993371	9220	9.16	-0.49
741112.9	992883.8	8720	10.19	-0.57	740998.2	993380.8	9230	8.82	-0.53
741110.7	992893.6	8730	9.77	-0.69	740995.9	993390.5	9240	9.28	-0.57
741108.4	992903.3	8740	10.71	-0.68	740993.7	993400.3	9250	9.03	-0.51
741106.2	992913.1	8750	10.68	-0.48	740991.4	993410	9260	9.31	-0.90
741103.9	992922.8	8760	10.71	-0.58	740989.2	993419.8	9270	8.33	-0.65
741101.7	992932.6	8770	9.95	-0.97	740986.9	993429.4	9280	13.92	-0.55
741099.4	992942.3	8780	10.13	-0.75	740984.7	993439.2	9290	14.28	-0.57
741097.2	992952	8790	10.19	-0.57	740982.4	993448.9	9300	8.58	-0.91
741094.9	992961.8	8800	9.70	-0.41	740980.2	993458.7	9310	-6.56	-0.52
741092.7	992971.5	8810	9.34	-0.96	740977.9	993468.4	9320	-1.89	-0.65
741090.4	992981.3	8820	9.46	-0.46	740975.7	993478.2	9330	12.45	-0.59
741088.2	992991	8830	9.28	-0.58	740973.4	993487.9	9340	20.39	-1.05
741085.9	993000.8	8840	9.67	-0.83	740971.2	993497.7	9350	0.52	-0.82
741083.7	993010.5	8850	9.19	-0.91	740968.9	993507.4	9360	-17.94	-0.70
741081.4	993020.3	8860	9.55	-0.48	740966.7	993517.1	9370	-2.35	-0.64
741079.2	993030	8870	9.61	-0.49	740964.4	993526.9	9380	27.83	-0.85
741076.9	993039.7	8880	9.83	-0.99	740962.2	993536.6	9390	24.35	-0.62
741074.7	993049.4	8890	10.13	-0.41	740959.9	993546.4	9400	22.86	-0.71
741072.4	993059.2	8900	10.50	-0.92	740957.7	993556.1	9410	16.27	-0.64
741070.2	993068.9	8910	10.56	-0.54	740955.4	993565.9	9420	13.37	-0.52
741067.9	993078.7	8920	11.99	-0.59	740953.2	993575.6	9430	11.96	-0.40
741065.7	993088.4	8930	14.50	-0.46	740950.9	993585.4	9440	10.68	-0.47
741063.4	993098.2	8940	17.49	-0.57	740948.7	993595.1	9450	9.[illegible]	-0.45
741061.2	993107.9	8950	18.89	-0.42	740946.4	993604.9	9460	9.[illegible]	-0.45
741058.9	993117.7	8960	23.80	-0.49	740944.2	993614.6	9470	9.67	-0.43
741056.7	993127.4	8970	41.60	-0.61	740941.9	993624.3	9480	8.88	-0.46
741054.4	993137.1	8980	22.71	-0.62	740939.7	993634.1	9490	8.39	-0.41
741052.2	993146.9	8990	-13.76	-0.46	740937.4	993643.8	9500	8.79	-0.41
741049.9	993156.6	9000	16.75	-0.46	740935.2	993653.6	9510	8.76	-0.50
741047.7	993166.4	9010	10.59	-0.61	740932.9	993663.3	9520	8.39	-0.45
741045.4	993176.1	9020	9.31	-0.99	740930.7	993673.1	9530	8.36	-0.92
741043.2	993185.9	9030	9.09	-0.78	740928.4	993682.8	9540	8.64	-0.96
741040.9	993195.6	9040	10.13	-0.40	740926.2	993692.6	9550	8.76	-0.59
741038.7	993205.4	9050	11.69	-0.60	740923.9	993702.3	9560	8.64	-0.51
741036.4	993215.1	9060	8.06	-0.86	740921.7	993712	9570	8.82	-0.46
741034.2	993224.9	9070	9.12	-0.47	740919.4	993721.8	9580	8.88	-0.58
741031.9	993234.6	9080	9.28	-0.43	740917.2	993731.5	9590	8.61	-0.56

Easting	Northing	Station	Conduct.	In-Phase
740914.9	993741.3	9600	8.66	-0.63
740912.7	993751	9610	8.12	-0.55
740910.4	993760.8	9620	8.48	-0.90
740908.2	993770.5	9630	8.54	-0.57
740905.9	993780.3	9640	7.66	-0.49
740903.7	993790	9650	8.27	-0.69
740901.4	993799.8	9660	8.33	-0.99
740899.3	993809.4	9670	8.30	-0.62
740897	993819.2	9680	7.90	-0.50
740894.8	993828.9	9690	8.06	-0.57
740892.5	993838.7	9700	8.12	-0.55
740890.3	993848.4	9710	8.21	-0.54
740888	993858.2	9720	8.15	-0.47
740885.8	993867.9	9730	8.61	-0.99
740883.5	993877.7	9740	8.85	-0.53
740881.3	993887.4	9750	9.19	-0.94
740879	993897.2	9760	10.41	-0.46
740876.8	993906.9	9770	11.60	-0.52
740874.5	993916.6	9780	10.50	-0.47
740872.3	993926.4	9790	10.44	-0.90
740870	993936.1	9800	8.97	-0.95
740867.8	993945.9	9810	3.88	-0.98
740865.5	993955.6	9820	9.00	-0.59
740863.3	993965.4	9830	10.22	-0.87
740861	993975.1	9840	9.95	-0.98
740858.8	993984.9	9850	9.98	-0.40
740856.5	993994.6	9860	10.16	-0.44
740854.3	994004.3	9870	10.68	-0.83
740852	994014.1	9880	10.22	-0.53
740849.8	994023.8	9890	10.31	-0.89
740847.5	994033.6	9900	11.26	-0.67
740845.3	994043.3	9910	10.74	-0.80
740843	994053.1	9920	11.26	-0.48
740840.8	994062.8	9930	10.71	-0.96
740838.5	994072.6	9940	10.80	-0.50
740836.3	994082.3	9950	11.32	-0.68
740834	994092.1	9960	11.32	-0.48
740831.8	994101.8	9970	11.17	-0.66
740829.5	994111.5	9980	11.57	-0.61
740827.3	994121.3	9990	11.81	-0.75
740825	994131	10000	11.44	-0.84
LINE 1700				
740846.9	994133.2	10000	11.90	-0.56
740849.1	994123.4	9990	12.02	-0.81
740851.4	994113.7	9980	11.17	-0.50
740853.6	994103.9	9970	11.38	-0.52
740855.9	994094.2	9960	11.20	-0.54
740858.1	994084.4	9950	10.99	-0.45
740860.4	994074.8	9940	10.59	-0.47
740862.6	994065	9930	10.93	-0.64
740864.9	994055.3	9920	11.14	-0.50

Easting	Northing	Station	Conduct.	In-Phase
740867.1	994045.5	9910	11.11	-0.50
740869.4	994035.8	9900	10.56	-0.49
740871.6	994026	9890	10.19	-0.51
740873.9	994016.3	9880	10.80	-0.63
740876.1	994006.5	9870	11.54	-0.63
740878.4	993996.8	9860	11.11	-0.42
740880.6	993987	9850	10.59	-0.59
740882.9	993977.3	9840	9.55	-0.61
740885.1	993967.6	9830	10.47	-0.76
740887.4	993957.8	9820	8.54	-0.87
740889.6	993948.1	9810	10.59	-0.48
740891.9	993938.3	9800	11.54	-0.99
740894.1	993928.6	9790	8.85	-0.41
740896.4	993918.8	9780	8.61	-0.97
740898.6	993909.1	9770	9.83	-0.92
740900.9	993899.3	9760	9.80	-0.74
740903.1	993889.6	9750	8.94	-0.90
740905.3	993879.9	9740	8.54	-0.94
740907.6	993870.1	9730	9.61	-0.84
740909.8	993860.4	9720	9.28	-0.47
740912.1	993850.6	9710	9.34	-0.58
740914.3	993840.9	9700	9.03	-0.46
740916.6	993831.1	9690	8.85	-0.58
740918.8	993821.4	9680	9.25	-0.98
740921.1	993811.6	9670	9.25	-0.54
740923.3	993801.9	9660	7.97	-0.59
740925.6	993792.1	9650	7.51	-0.48
740927.8	993782.4	9640	7.75	-0.49
740930.1	993772.7	9630	7.02	-0.42
740932.3	993762.9	9620	7.60	-0.45
740934.6	993753.2	9610	7.72	-0.46
740936.8	993743.4	9600	7.69	-0.55
740939.1	993733.7	9590	5.98	-0.93
740941.3	993723.9	9580	7.72	-0.58
740943.6	993714.2	9570	8.00	-0.50
740945.8	993704.4	9560	8.39	-0.85
740948.1	993694.7	9550	8.36	-0.60
740950.3	993685	9540	8.09	-0.49
740952.6	993675.3	9530	8.03	-0.66
740954.8	993665.5	9520	8.36	-0.53
740957.1	993655.8	9510	8.73	-0.58
740959.3	993646	9500	9.83	-0.62
740961.6	993636.3	9490	9.61	-0.55
740963.8	993626.5	9480	9.64	-0.93
740966.1	993616.8	9470	12.02	-0.93
740968.3	993607	9460	15.78	-0.68
740970.6	993597.3	9450	26.49	-1.06
740972.8	993587.6	9440	25.45	-1.01
740975.1	993577.8	9430	-14.10	-0.61
740977.3	993568.1	9420	10.19	-0.59
740979.6	993558.3	9410	25.54	-0.79

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740981.8	993548.6	9400	15.59	-0.93	741096.6	993051.6	8890	10.38	-0.40
740984.1	993538.8	9390	10.22	-0.89	741098.8	993041.9	8880	10.10	-0.60
740986.3	993529.1	9380	14.34	-0.55	741101.1	993032.1	8870	10.53	-0.70
740988.6	993519.3	9370	13.92	-0.57	741103.3	993022.4	8860	9.49	-0.64
740990.8	993509.6	9360	12.24	-0.71	741105.6	993012.7	8850	9.25	-0.84
740993.1	993499.9	9350	10.35	-0.65	741107.8	993002.9	8840	9.16	-0.98
740995.3	993490.1	9340	9.92	-0.45	741110.1	992993.2	8830	8.76	-0.96
740997.6	993480.4	9330	10.13	-0.49	741112.3	992983.4	8820	8.54	-0.96
740999.8	993470.6	9320	9.40	-0.59	741114.6	992973.7	8810	10.10	-0.73
741002.1	993460.9	9310	9.52	-0.48	741116.8	992963.9	8800	9.37	-0.48
741004.3	993451.1	9300	9.12	-0.40	741119.1	992954.2	8790	9.34	-0.43
741006.6	993441.4	9290	9.06	-0.99	741121.3	992944.4	8780	10.83	-0.41
741008.8	993431.6	9280	9.06	-0.46	741123.6	992934.7	8770	9.98	-0.42
741011.1	993421.9	9270	9.34	-0.65	741125.8	992924.9	8760	9.61	-0.96
741013.3	993412.1	9260	9.25	-0.88	741128.1	992915.3	8750	10.89	-0.53
741015.6	993402.4	9250	8.51	-0.52	741130.3	992905.5	8740	10.89	-0.99
741017.8	993392.7	9240	8.70	-0.45	741132.6	992895.8	8730	10.07	-0.98
741020.1	993382.9	9230	8.66	-0.41	741134.8	992886	8720	9.46	-0.34
741022.3	993373.2	9220	8.85	-0.97	741137.1	992876.3	8710	9.52	-0.20
741024.6	993363.4	9210	9.06	-0.49	741139.3	992866.5	8700	9.61	-0.60
741026.8	993353.7	9200	8.33	-0.96	741141.6	992856.8	8690	9.19	-0.73
741029.1	993343.9	9190	9.12	-0.42	741143.8	992847	8680	9.55	-0.96
741031.3	993334.2	9180	8.61	-0.43	741146.1	992837.3	8670	9.58	-0.59
741033.6	993324.4	9170	8.45	-0.90	741148.3	992827.5	8660	9.86	-0.85
741035.8	993314.7	9160	8.27	-0.97	741150.6	992817.8	8650	10.16	-0.34
741038.1	993305	9150	8.73	-0.54	741152.8	992808.1	8640	10.86	-0.75
741040.3	993295.3	9140	8.64	-0.91	741155.1	992798.3	8630	9.67	-0.88
741042.6	993285.5	9130	8.61	-0.72	741157.3	992788.6	8620	10.65	-0.53
741044.8	993275.8	9120	8.97	-0.81	741159.6	992778.8	8610	9.52	-0.48
741047.1	993266	9110	8.36	-0.73	741161.8	992769.1	8600	9.86	-0.95
741049.3	993256.3	9100	8.91	-0.67	741164.1	992759.3	8590	9.55	-0.62
741051.6	993246.5	9090	8.70	-0.42	741166.3	992749.6	8580	9.22	-0.41
741053.8	993236.8	9080	8.88	-0.53	741168.6	992739.8	8570	8.79	-0.44
741056.1	993227	9070	9.16	-0.52	741170.8	992730.1	8560	9.16	-0.43
741058.3	993217.3	9060	9.06	-0.65	741173.1	992720.4	8550	8.66	-0.90
741060.6	993207.6	9050	9.34	-0.49	741175.3	992710.6	8540	9.61	-0.48
741062.8	993197.8	9040	9.34	-0.52	741177.6	992700.9	8530	9.31	-0.15
741065.1	993188.1	9030	8.97	-0.94	741179.8	992691.1	8520	15.26	-0.10
741067.3	993178.3	9020	9.12	-0.46	741201.6	992693.4	8520	16.05	-0.51
741069.6	993168.6	9010	9.31	-0.53	741199.4	992703.1	8530	71.69	34.07
741071.8	993158.8	9000	9.03	-0.42	741197.1	992712.9	8540	-44.53	-25.13
741074.1	993149.1	8990	9.67	-0.41	741194.9	992722.6	8550	11.17	-0.07
741076.3	993139.3	8980	9.92	-0.96	741192.6	992732.4	8560	6.13	-0.98
741078.6	993129.6	8970	9.49	-0.91	741190.4	992742.1	8570	7.11	-0.51
741080.8	993119.8	8960	10.22	-0.94	741188.1	992751.9	8580	10.01	-0.53
741083.1	993110.1	8950	10.31	-0.42	741185.9	992761.6	8590	9.06	-0.53
741085.3	993100.4	8940	11.69	-0.45	741183.6	992771.3	8600	9.40	-0.53
741087.6	993090.6	8930	9.92	-0.50	741181.4	992781.1	8610	8.79	-0.55
741089.8	993080.9	8920	10.10	-0.51	741179.1	992790.8	8620	8.06	-0.49
741092.1	993071.1	8910	10.53	-0.61	741176.9	992800.6	8630	9.95	-0.68
741094.3	993061.4	8900	10.35	-0.47	741174.6	992810.3	8640	9.12	-0.90

Easting	Northing	Station	Conduct.	In-Phase
741170.1	992829.8	8660	7.45	-0.88
741167.9	992839.6	8670	8.39	-0.97
741165.6	992849.3	8680	8.45	-0.88
741163.4	992859.1	8690	8.58	-0.86
741161.1	992868.8	8700	8.48	-0.40
741158.9	992878.5	8710	8.61	-0.94
741156.6	992888.3	8720	8.76	-0.93
741154.4	992898	8730	8.85	-0.49
741152.1	992907.8	8740	8.36	-0.86
741149.9	992917.5	8750	9.25	-0.53
741147.6	992927.3	8760	9.12	-0.47
741145.4	992937	8770	9.19	-0.93
741143.1	992946.8	8780	8.70	-0.41
741140.9	992956.5	8790	10.83	-0.51
741138.6	992966.2	8800	8.33	-0.46
741136.4	992975.9	8810	8.54	-0.66
741134.1	992985.7	8820	9.06	-0.40
741131.9	992995.4	8830	8.88	-0.48
741129.6	993005.2	8840	8.64	-0.96
741127.4	993014.9	8850	8.58	-0.46
741125.1	993024.7	8860	8.73	-0.94
741122.9	993034.4	8870	9.19	-0.77
741120.6	993044.2	8880	9.58	-0.53
741118.4	993053.9	8890	10.22	-0.58
741116.1	993063.6	8900	14.22	-0.47
741113.9	993073.4	8910	9.92	-0.93
741111.6	993083.1	8920	9.58	-0.46
741109.4	993092.9	8930	9.67	-0.97
741107.1	993102.6	8940	9.98	-0.48
741104.9	993112.4	8950	9.67	-0.94
741102.6	993122.1	8960	9.34	-0.67
741100.4	993131.9	8970	9.19	-0.50
741098.1	993141.6	8980	8.70	-0.44
741095.9	993151.4	8990	9.16	-0.59
741093.6	993161.1	9000	8.88	-0.48
741091.4	993170.8	9010	9.12	-0.45
741089.2	993180.6	9020	8.76	-0.40
741086.9	993190.3	9030	10.04	-0.43
741084.7	993200.1	9040	10.07	-0.94
741082.4	993209.8	9050	8.88	-0.57
741080.2	993219.6	9060	8.64	-0.94
741077.9	993229.3	9070	8.64	-0.68
741075.7	993239.1	9080	8.24	-0.47
741073.4	993248.8	9090	8.85	-0.28
741071.2	993258.5	9100	8.73	-0.90
741068.9	993268.3	9110	8.76	-0.92
741066.7	993278	9120	8.51	-0.50
741064.4	993287.8	9130	8.42	-0.59
741062.2	993297.5	9140	8.79	-0.97
741059.9	993307.3	9150	8.64	-0.86
741057.7	993317	9160	8.76	-0.48

Easting	Northing	Station	Conduct.	In-Phase
741055.4	993326.8	9170	8.61	-0.86
741053.2	993336.5	9180	8.58	-0.75
741050.9	993346.2	9190	8.82	-0.40
741048.7	993355.9	9200	8.66	-0.50
741046.4	993365.7	9210	8.76	-0.41
741044.2	993375.4	9220	8.91	-0.62
741041.9	993385.2	9230	8.48	-0.46
741039.7	993394.9	9240	8.61	-0.91
741037.4	993404.7	9250	8.51	-0.50
741035.2	993414.4	9260	8.88	-0.56
741032.9	993424.2	9270	8.64	-0.47
741030.7	993433.9	9280	10.01	-0.56
741028.4	993443.6	9290	12.36	-0.69
741026.2	993453.4	9300	11.08	-0.59
741023.9	993463.1	9310	9.43	-0.43
741021.7	993472.9	9320	8.64	-0.98
741019.4	993482.6	9330	8.54	-0.56
741017.2	993492.4	9340	8.42	-0.65
741014.9	993502.1	9350	8.09	-0.41
741012.7	993511.9	9360	8.09	-0.62
741010.4	993521.6	9370	8.36	-0.68
741008.2	993531.4	9380	8.42	-0.55
741005.9	993541.1	9390	8.39	-0.45
741003.7	993550.8	9400	7.97	-0.63
741001.4	993560.6	9410	8.30	-0.58
740999.2	993570.3	9420	8.58	-0.67
740996.9	993580.1	9430	8.61	-0.44
740994.7	993589.8	9440	8.94	-0.73
740992.4	993599.6	9450	9.22	-0.87
740990.2	993609.3	9460	11.90	-0.78
740987.9	993619.1	9470	15.17	-0.87
740985.7	993628.8	9480	22.09	-1.07
740983.4	993638.5	9490	26.12	-1.05
740981.2	993648.3	9500	15.35	-0.75
740978.9	993658	9510	-20.20	-0.39
740976.7	993667.8	9520	7.20	-0.49
740974.4	993677.5	9530	21.3[illegible]	-0.97
740972.2	993687.3	9540	21.06	-0.78
740969.9	993697	9550	14.68	-0.59
740967.7	993706.8	9560	13.00	-0.68
740965.4	993716.5	9570	10.68	-0.58
740963.2	993726.3	9580	9.25	-0.51
740960.9	993735.9	9590	8.79	-0.49
740958.7	993745.7	9600	8.15	-0.46
740956.4	993755.4	9610	8.03	-0.96
740954.2	993765.2	9620	8.12	-0.53
740951.9	993774.9	9630	7.57	-0.61
740949.7	993784.7	9640	7.90	-0.64
740947.4	993794.4	9650	7.66	-0.52
740945.2	993804.2	9660	7.60	-0.95
740942.9	993813.9	9670	7.39	-0.91

Easting	Northing	Station	Conduct.	In-Phase
740940.7	993823.7	9680	12.57	-0.68
740938.4	993833.4	9690	21.67	-0.73
740936.2	993843.1	9700	27.95	-0.99
740933.9	993852.9	9710	-25.21	-0.68
740931.7	993862.6	9720	3.91	-0.72
740929.4	993872.4	9730	20.63	-0.80
740927.2	993882.1	9740	27.01	-0.80
740924.9	993891.9	9750	19.44	-0.49
740922.7	993901.6	9760	15.75	-0.65
740920.4	993911.4	9770	15.87	-0.70
740918.2	993921.1	9780	13.92	-0.64
740915.9	993930.8	9790	11.29	-0.91
740913.7	993940.6	9800	11.20	-0.91
740911.4	993950.3	9810	10.77	-0.72
740909.2	993960.1	9820	10.89	-0.46
740906.9	993969.8	9830	10.25	-0.66
740904.7	993979.6	9840	10.16	-0.46
740902.4	993989.3	9850	9.98	-0.66
740900.2	993999.1	9860	10.44	-0.53
740897.9	994008.8	9870	10.35	-0.66
740895.7	994018.6	9880	10.99	-0.73
740893.4	994028.3	9890	11.23	-0.65
740891.2	994038	9900	10.86	-0.78
740888.9	994047.8	9910	10.74	-0.66
740886.7	994057.5	9920	10.77	-0.64
740884.4	994067.3	9930	10.99	-0.58
740882.2	994077	9940	11.02	-0.57
740879.9	994086.8	9950	10.80	-0.57
740877.7	994096.5	9960	10.89	-0.90
740875.4	994106.3	9970	11.35	-0.56
740873.2	994116	9980	10.99	-0.51
740870.9	994125.7	9990	11.51	-0.72
740868.7	994135.4	10000	11.51	-0.89
LINE 1000				
740356.1	992591.6	8510	10.53	-0.58
740358.1	992581.8	8500	10.35	-0.58
740360.3	992572	8490	10.25	-0.43
740362.3	992562.3	8480	10.13	-0.47
740364.5	992552.4	8470	10.04	-0.55
740366.6	992542.7	8460	10.41	-0.57
740368.7	992532.9	8450	10.38	-0.55
740370.8	992523.1	8440	10.35	-0.47
740372.9	992513.4	8430	10.10	-0.45
740374.9	992503.6	8420	10.50	-0.56
740377.1	992493.8	8410	10.74	-0.51
740379.1	992484	8400	10.59	-0.54
740381.3	992474.3	8390	10.31	-0.55
740383.4	992464.4	8380	10.28	-0.47
740385.4	992454.7	8370	10.50	-0.48
740387.6	992444.9	8360	10.56	-0.44
740389.6	992435.1	8350	10.68	-0.52
740391.8	992425.3	8340	10.41	-0.55
740393.8	992415.6	8330	9.64	-0.51
740396	992405.8	8320	10.07	-0.57
740398.1	992396	8310	9.95	-0.50
740400.2	992386.3	8300	9.74	-0.03
740402.3	992376.4	8290	9.77	-0.51
740404.4	992366.7	8280	9.70	-0.43
740406.4	992356.9	8270	9.37	-0.49
740408.6	992347.1	8260	9.12	-0.53
740410.6	992337.3	8250	9.37	-0.57
740412.8	992327.6	8240	9.46	-0.52
740414.9	992317.8	8230	9.52	-0.55
740416.9	992308	8220	10.01	0.00
740419.1	992298.3	8210	9.95	-0.56
740421.1	992288.4	8200	10.74	-0.53
740423.3	992278.7	8190	10.62	-0.55
740425.3	992268.9	8180	10.19	-0.55
740427.5	992259.1	8170	10.41	-0.52
740429.6	992249.3	8160	10.47	-0.51
740431.7	992239.6	8150	10.10	-0.52
740433.8	992229.8	8140	10.25	-0.43
740435.9	992220	8130	9.43	-0.51
740437.9	992210.2	8120	9.37	-0.55
740440.1	992200.4	8110	9.22	-0.54
740442.2	992190.7	8100	9.37	-0.45
740444.2	992180.9	8090	9.46	-0.34
740446.3	992171.2	8080	9.61	-0.44
740448.4	992161.4	8070	9.40	-0.42
740450.6	992151.6	8060	9.52	-0.47
740452.6	992141.9	8050	9.80	-0.31
740454.8	992132.1	8040	9.86	-0.42
740456.8	992122.3	8030	9.74	-0.47
740458.9	992112.6	8020	9.61	-0.45
740461	992102.8	8010	9.55	-0.49
740463.2	992093	8000	9.86	-0.44
740465.3	992083.2	7990	9.16	-0.44
740467.4	992073.4	7980	9.40	-0.37
740469.4	992063.6	7970	9.16	-0.46
740471.6	992053.9	7960	9.58	-0.45
740473.6	992044.1	7950	10.13	-0.43
740475.7	992034.3	7940	9.64	-0.58
740477.8	992024.5	7930	9.64	-0.53
740479.9	992014.8	7920	9.49	-0.48
740482.1	992005	7910	9.52	-0.50
740484.1	991995.2	7900	9.31	-0.45
740486.3	991985.4	7890	9.09	-0.45
740488.3	991975.6	7880	9.00	-0.49
740490.4	991965.9	7870	8.76	-0.43
740492.5	991956.1	7860	9.09	-0.40
740494.7	991946.3	7850	8.76	-0.41
740496.8	991936.5	7840	9.37	-0.38

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740498.9	991926.8	7830	9.09	-0.40	740605.9	991428.1	7320	9.37	-0.53
740500.9	991916.9	7820	9.06	-0.46	740608.1	991418.3	7310	9.00	-0.51
740503	991907.2	7810	8.64	-0.49	740610.1	991408.5	7300	8.94	-0.48
740505.1	991897.4	7800	9.12	-0.57	740612.3	991398.8	7290	9.00	-0.38
740507.2	991887.6	7790	9.09	-0.48	740614.3	991388.9	7280	8.82	-0.52
740509.4	991877.9	7780	8.94	-0.50	740616.5	991379.2	7270	8.85	-0.49
740511.4	991868.1	7770	9.09	-0.45	740618.5	991369.4	7260	8.39	-0.52
740513.6	991858.3	7760	9.12	-0.35	740620.6	991359.6	7250	9.09	-0.58
740515.6	991848.5	7750	8.79	-0.43	740622.8	991349.8	7240	9.31	-0.57
740517.8	991838.8	7740	9.03	-0.46	740624.8	991340.1	7230	8.88	-0.54
740519.8	991828.9	7730	9.28	-0.31	740626.9	991330.4	7220	8.79	-0.46
740521.9	991819.2	7720	8.91	-0.45	740629	991320.6	7210	9.34	-0.57
740524	991809.4	7710	9.19	-0.40	740631.1	991310.8	7200	9.03	-0.06
740526.2	991799.6	7700	9.00	-0.35	740631.1	991310.8	7200	9.03	-0.06
740528.3	991789.9	7690	9.19	-0.37	740692.6	991119.4	7000	7.54	0.00
740530.4	991780.1	7680	9.22	-0.23	740690.6	991129.3	7010	7.66	-0.57
740532.4	991770.3	7670	9.61	-0.36	740688.4	991139	7020	7.66	-0.45
740534.5	991760.5	7660	9.37	-0.40	740686.4	991148.8	7030	7.75	-0.47
740536.6	991750.8	7650	9.55	-0.52	740684.3	991158.6	7040	7.26	-0.46
740538.7	991740.9	7640	9.92	-0.43	740682.2	991168.4	7050	7.23	-0.48
740540.9	991731.2	7630	9.83	-0.43	740680	991178.1	7060	7.81	-0.59
740542.9	991721.4	7620	10.41	-0.47	740678	991187.9	7070	7.93	-0.20
740545.1	991711.6	7610	10.01	-0.39	740675.8	991197.7	7080	7.23	-0.17
740547.1	991701.8	7600	9.98	-0.54	740673.8	991207.4	7090	7.35	-0.29
740549.3	991692.1	7590	10.07	-0.51	740671.6	991217.3	7100	8.88	-0.30
740551.3	991682.3	7580	9.28	-0.37	740669.6	991227	7110	6.41	-0.35
740553.4	991672.5	7570	9.52	-0.34	740667.4	991236.8	7120	6.90	-0.24
740555.5	991662.8	7560	8.76	-0.43	740665.4	991246.6	7130	6.84	-0.33
740557.7	991652.9	7550	8.66	-0.47	740663.3	991256.4	7140	7.93	-0.46
740559.8	991643.2	7540	8.61	-0.52	740661.1	991266.1	7150	6.62	-0.25
740561.8	991633.4	7530	8.09	-0.24	740659.1	991275.9	7160	7.69	-0.33
740563.9	991623.6	7520	8.24	-0.34	740656.9	991285.7	7170	7.97	-0.38
740566	991613.8	7510	8.15	-0.37	740654.9	991295.5	7180	7.45	-0.40
740568.1	991604.1	7500	7.87	-0.51	740652.8	991305.1	7190	7.32	-0.43
740570.2	991594.3	7490	8.66	-0.42	740650.7	991314.9	7200	7.17	-0.47
740572.4	991584.5	7480	7.78	-0.46	740648.6	991324.7	7210	7.23	-0.37
740574.4	991574.8	7470	8.85	-0.44	740646.5	991334.5	7220	6.84	-0.36
740576.6	991564.9	7460	8.42	-0.43	740644.3	991344.3	7230	8.06	-0.19
740578.6	991555.2	7450	8.36	-0.36	740642.3	991354.1	7240	6.53	-0.23
740580.8	991545.4	7440	8.18	-0.36	740640.1	991363.8	7250	7.11	-0.18
740582.8	991535.6	7430	8.51	-0.38	740638.1	991373.6	7260	6.99	-0.26
740584.9	991525.9	7420	8.12	-0.05	740636	991383.4	7270	6.96	-0.33
740587	991516.1	7410	8.21	-0.56	740633.9	991393.1	7280	7.29	-0.41
740589.2	991506.3	7400	8.30	-0.48	740631.8	991402.9	7290	6.96	-0.39
740591.3	991496.5	7390	8.54	-0.52	740629.7	991412.7	7300	7.26	-0.27
740593.3	991486.7	7380	8.82	-0.52	740627.6	991422.5	7310	6.96	-0.48
740595.4	991476.9	7370	8.64	-0.45	740625.4	991432.3	7320	7.26	-0.43
740597.5	991467.2	7360	8.33	-0.50	740623.4	991442.1	7330	7.54	-0.69
740599.6	991457.4	7350	9.09	-0.47	740621.3	991451.8	7340	7.45	-0.47
740601.7	991447.6	7340	8.82	-0.55	740619.2	991461.6	7350	7.51	-0.52
740603.9	991437.8	7330	8.82	-0.46	740617.1	991471.4	7360	7.90	-0.47

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740615	991481.1	7370	8.12	-0.33	740507.9	991979.8	7880	9.55	-0.38
740612.8	991490.9	7380	7.87	-0.55	740505.8	991989.6	7890	10.22	-0.38
740610.8	991500.7	7390	8.18	-0.49	740503.7	991999.4	7900	10.04	-0.37
740608.8	991510.5	7400	7.78	-0.56	740501.6	992009.2	7910	10.10	-0.35
740606.6	991520.3	7410	8.82	-0.53	740499.4	992018.9	7920	9.58	-0.37
740604.5	991530.1	7420	8.30	-0.39	740497.4	992028.8	7930	9.43	-0.26
740602.4	991539.8	7430	8.12	-0.45	740495.3	992038.5	7940	9.61	-0.23
740600.3	991549.6	7440	8.42	-0.28	740493.2	992048.3	7950	9.70	-0.43
740598.2	991559.4	7450	8.33	-0.43	740491.1	992058.1	7960	9.61	-0.32
740596.1	991569.2	7460	8.18	-0.52	740489	992067.9	7970	9.74	-0.35
740593.9	991578.9	7470	8.00	-0.41	740486.9	992077.6	7980	9.83	-0.51
740591.9	991588.7	7480	8.30	-0.42	740484.8	992087.4	7990	9.64	-0.42
740589.8	991598.5	7490	8.66	-0.36	740482.8	992097.2	8000	9.77	-0.38
740587.7	991608.3	7500	8.85	-0.47	740480.6	992106.9	8010	9.67	-0.30
740585.6	991618.1	7510	8.54	-0.53	740478.5	992116.8	8020	9.83	-0.40
740583.5	991627.8	7520	8.64	-0.46	740476.4	992126.5	8030	10.01	-0.41
740581.3	991637.6	7530	8.64	-0.49	740474.3	992136.2	8040	9.92	-0.40
740579.3	991647.4	7540	9.06	-0.44	740472.2	992146	8050	9.89	-0.33
740577.3	991657.2	7550	9.00	-0.39	740470.1	992155.8	8060	10.07	-0.39
740575.1	991666.9	7560	9.00	-0.39	740468	992165.5	8070	9.98	-0.40
740573	991676.8	7570	9.98	-0.40	740465.9	992175.3	8080	9.80	-0.44
740570.9	991686.5	7580	10.28	-0.40	740463.8	992185.1	8090	9.67	-0.40
740568.8	991696.3	7590	10.28	-0.56	740461.7	992194.9	8100	9.74	-0.35
740566.7	991706.1	7600	10.86	-0.53	740459.7	992204.6	8110	9.89	-0.15
740564.6	991715.8	7610	11.44	-0.18	740457.5	992214.4	8120	9.89	-0.31
740562.4	991725.6	7620	10.99	-0.27	740455.4	992224.2	8130	10.25	-0.38
740560.4	991735.4	7630	10.93	-0.46	740453.3	992234	8140	9.37	-0.42
740558.3	991745.2	7640	11.35	-0.43	740451.3	992243.8	8150	9.58	-0.44
740556.2	991754.9	7650	11.11	-0.48	740449.1	992253.6	8160	10.04	-0.33
740554.1	991764.7	7660	10.65	-0.48	740447.1	992263.3	8170	10.41	-0.45
740552	991774.5	7670	10.93	-0.46	740444.9	992273.1	8180	10.65	-0.38
740549.9	991784.3	7680	11.08	-0.47	740442.8	992282.9	8190	11.17	-0.29
740547.8	991794.1	7690	10.65	-0.51	740440.7	992292.6	8200	10.28	-0.52
740545.8	991803.9	7700	10.53	-0.46	740438.6	992302.4	8210	10.01	-0.44
740543.6	991813.6	7710	10.28	-0.25	740436.5	992312.2	8220	10.83	-0.34
740541.5	991823.4	7720	10.25	-0.31	740434.4	992322	8230	10.38	-0.41
740539.4	991833.2	7730	9.98	-0.34	740432.4	992331.8	8240	10.47	-0.47
740537.3	991842.9	7740	10.10	-0.42	740430.2	992341.6	8250	10.31	-0.39
740535.2	991852.8	7750	10.28	-0.41	740428.1	992351.3	8260	10.35	-0.48
740533.1	991862.5	7760	10.74	-0.42	740426	992361.1	8270	10.31	-0.32
740530.9	991872.3	7770	10.22	-0.42	740423.9	992370.9	8280	10.25	-0.30
740528.9	991882.1	7780	10.41	-0.46	740421.8	992380.6	8290	10.19	-0.38
740526.8	991891.8	7790	10.16	-0.36	740419.8	992390.4	8300	10.44	-0.34
740524.7	991901.6	7800	10.22	-0.49	740417.6	992400.2	8310	10.68	-0.37
740522.6	991911.4	7810	10.28	-0.40	740415.6	992410	8320	10.59	-0.36
740520.5	991921.2	7820	10.35	-0.44	740413.4	992419.8	8330	10.71	-0.23
740518.4	991930.9	7830	10.53	-0.45	740411.3	992429.6	8340	10.59	-0.32
740516.3	991940.8	7840	10.44	-0.41	740409.2	992439.3	8350	10.16	-0.41
740514.3	991950.5	7850	9.49	-0.37	740407.1	992449.1	8360	10.74	-0.33
740512.1	991960.3	7860	9.70	-0.39	740405	992458.9	8370	10.65	-0.35
740510	991970.1	7870	9.77	-0.40	740402.9	992468.7	8380	10.71	-0.38

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740400.9	992478.4	8390	10.68	-0.38	740475	992228.4	8130	8.79	-0.45
740398.7	992488.2	8400	10.71	-0.37	740477.1	992218.6	8120	8.76	-0.51
740396.6	992498	8410	10.77	-0.30	740479.2	992208.9	8110	8.73	-0.39
740394.5	992507.8	8420	10.71	-0.33	740481.3	992199.1	8100	9.06	-0.38
740392.4	992517.6	8430	10.83	-0.16	740483.3	992189.3	8090	9.28	-0.48
740390.3	992527.3	8440	10.65	-0.33	740485.5	992179.5	8080	9.28	-0.39
740388.3	992537.1	8450	10.99	-0.32	740487.5	992169.8	8070	8.94	-0.44
740386.1	992546.9	8460	10.56	-0.38	740489.7	992159.9	8060	9.37	-0.38
740384.1	992556.7	8470	10.86	-0.33	740491.8	992150.2	8050	9.22	-0.40
740381.9	992566.4	8480	11.41	-0.30	740493.9	992140.4	8040	9.31	-0.45
740379.8	992576.3	8490	11.35	-0.29	740495.9	992130.6	8030	9.25	-0.40
740377.7	992586	8500	11.35	-0.33	740498.1	992120.9	8020	9.03	-0.25
740375.6	992595.8	8510	11.17	-0.29	740500.1	992111.1	8010	8.97	-0.47
740395.2	992600	8510	10.68	-0.43	740502.3	992101.3	8000	8.79	-0.46
740397.3	992590.2	8500	10.31	-0.13	740504.4	992091.5	7990	8.66	-0.22
740399.4	992580.4	8490	10.62	-0.59	740506.5	992081.8	7980	8.39	-0.29
740401.4	992570.6	8480	10.59	-0.47	740508.6	992071.9	7970	8.91	-0.32
740403.6	992560.9	8470	10.31	-0.52	740510.6	992062.3	7960	9.74	-0.41
740405.6	992551.1	8460	10.38	-0.44	740512.8	992052.5	7950	9.43	-0.48
740407.8	992541.3	8450	10.53	-0.53	740514.8	992042.7	7940	9.34	-0.18
740409.9	992531.5	8440	10.44	-0.52	740516.9	992032.9	7930	9.28	-0.43
740412	992521.8	8430	9.80	-0.44	740519	992023.1	7920	8.66	-0.38
740414.1	992512	8420	9.77	-0.04	740521.2	992013.4	7910	8.70	-0.17
740416.2	992502.2	8410	9.95	-0.56	740523.2	992003.6	7900	8.79	-0.47
740418.3	992492.4	8400	9.89	-0.01	740525.4	991993.8	7890	8.61	-0.33
740420.4	992482.6	8390	9.58	-0.50	740527.4	991984.1	7880	8.70	-0.43
740422.5	992472.9	8380	9.98	-0.53	740529.6	991974.3	7870	8.51	-0.12
740424.5	992463.1	8370	10.07	-0.52	740531.6	991964.5	7860	8.45	-0.27
740426.7	992453.3	8360	10.16	-0.49	740533.8	991954.8	7850	8.66	-0.26
740428.8	992443.5	8350	10.31	-0.28	740535.8	991944.9	7840	8.51	-0.43
740430.9	992433.8	8340	10.59	-0.50	740538	991935.2	7830	8.64	-0.25
740432.9	992423.9	8330	10.44	-0.48	740540.1	991925.4	7820	8.79	-0.34
740435.1	992414.2	8320	10.25	-0.01	740542.1	991915.6	7810	9.12	-0.24
740437.1	992404.4	8310	10.22	-0.58	740544.3	991905.8	7800	9.40	-0.27
740439.3	992394.6	8300	9.98	0.00	740546.3	991896.1	7790	8.36	-0.28
740441.4	992384.9	8290	10.25	-0.55	740548.4	991886.3	7780	8.45	-0.28
740443.5	992375.1	8280	10.19	-0.47	740550.5	991876.5	7770	8.36	-0.48
740445.6	992365.3	8270	10.31	-0.41	740552.7	991866.7	7760	8.91	-0.36
740447.7	992355.6	8260	10.59	-0.50	740554.7	991856.9	7750	9.40	-0.42
740449.8	992345.8	8250	10.93	-0.25	740556.9	991847.2	7740	8.73	-0.40
740451.8	992335.9	8240	10.16	-0.05	740558.9	991837.4	7730	8.82	-0.47
740454	992326.2	8230	10.47	-0.50	740561.1	991827.6	7720	9.77	-0.45
740456	992316.4	8220	9.80	-0.59	740563.1	991817.8	7710	9.40	-0.56
740458.2	992306.6	8210	10.13	-0.56	740565.3	991808.1	7700	9.31	-0.49
740460.3	992296.9	8200	10.38	-0.59	740567.3	991798.3	7690	9.40	-0.02
740462.4	992287.1	8190	10.35	-0.51	740569.4	991788.5	7680	9.64	-0.48
740464.4	992277.3	8180	10.19	-0.49	740571.6	991778.7	7670	9.77	-0.02
740466.6	992267.5	8170	10.22	-0.55	740573.6	991768.9	7660	10.01	-0.52
740468.6	992257.8	8160	9.49	-0.32	740575.8	991759.1	7650	10.01	-0.58
740470.8	992248	8150	9.40	-0.41	740577.8	991749.4	7640	9.34	-0.55
740472.9	992238.2	8140	9.34	-0.46	740579.9	991739.6	7630	10.22	-0.50

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740582	991729.8	7620	9.46	-0.54	740689.1	991231.3	7110	6.04	-0.35
740584.2	991720.1	7610	8.88	-0.36	740691.2	991221.4	7100	6.35	-0.11
740586.2	991710.3	7600	9.03	-0.41	740693.3	991211.7	7090	5.98	0.46
740588.4	991700.5	7590	7.81	-0.26	740695.4	991201.9	7080	8.70	-0.27
740590.4	991690.7	7580	7.72	-0.28	740697.5	991192.1	7070	6.44	-0.16
740592.6	991680.9	7570	7.81	-0.41	740699.6	991182.3	7060	5.34	-0.62
740594.6	991671.1	7560	7.54	-0.31	740701.8	991172.6	7050	6.77	-0.38
740596.8	991661.4	7550	7.17	-0.28	740703.8	991162.8	7040	6.84	-0.39
740598.8	991651.6	7540	7.02	-0.40	740705.9	991153	7030	6.71	-0.35
740600.9	991641.8	7530	6.87	-0.40	740708	991143.2	7020	6.96	-0.44
740603.1	991632.1	7520	6.84	-0.12	740710.1	991133.4	7010	7.29	-0.41
740605.1	991622.3	7510	6.77	-0.47	740712.2	991123.7	7000	7.02	-0.49
740607.3	991612.5	7500	6.81	-0.38	740714.4	991113.9	6990	6.93	-0.53
740609.3	991602.7	7490	6.59	-0.29	740716.4	991104.1	6980	6.90	-0.36
740611.4	991592.9	7480	7.17	-0.41	740718.4	991094.3	6970	8.12	-0.56
740613.5	991583.1	7470	6.56	-0.40	740720.6	991084.6	6960	7.87	-0.55
740615.7	991573.4	7460	6.59	-0.33	740722.7	991074.8	6950	7.35	-0.02
740617.7	991563.6	7450	6.47	-0.38	740724.8	991065	6940	8.24	-0.37
740619.9	991553.8	7440	6.41	-0.27	740726.9	991055.2	6930	7.63	-0.30
740621.9	991544	7430	6.44	-0.41	740729	991045.4	6920	7.17	-0.46
740624.1	991534.3	7420	6.50	-0.25	740731.1	991035.6	6910	8.00	-0.58
740626.1	991524.5	7410	6.44	-0.30	740733.3	991025.9	6900	7.29	-0.43
740628.2	991514.7	7400	6.38	-0.27	740733.3	991025.9	6900	7.29	-0.43
740630.3	991504.9	7390	6.35	-0.43	740740.2	991088.8	6960	7.39	-0.24
740632.4	991495.1	7380	6.29	-0.52	740738	991098.5	6970	7.14	-0.16
740634.6	991485.4	7370	6.53	-0.32	740735.9	991108.3	6980	7.23	-0.17
740636.6	991475.6	7360	6.47	-0.23	740733.8	991118.1	6990	7.14	-0.33
740638.8	991465.8	7350	6.71	-0.30	740731.8	991127.9	7000	6.99	-0.14
740640.8	991456	7340	6.56	-0.39	740729.7	991137.6	7010	6.99	-0.70
740642.9	991446.3	7330	6.71	-0.40	740727.6	991147.4	7020	6.93	-0.47
740645	991436.4	7320	6.41	-0.41	740725.5	991157.2	7030	6.90	-0.42
740647.2	991426.7	7310	6.77	-0.35	740723.3	991167	7040	6.74	-0.42
740649.3	991416.9	7300	6.90	-0.32	740721.3	991176.8	7050	6.50	-0.36
740651.4	991407.1	7290	6.56	-0.37	740719.1	991186.6	7060	6.53	-0.44
740653.4	991397.4	7280	6.41	-0.31	740717.1	991196.3	7070	6.62	-0.42
740655.6	991387.6	7270	6.38	-0.37	740714.9	991206	7080	7.02	-0.29
740657.6	991377.8	7260	6.59	-0.44	740712.9	991215.8	7090	-1.37	-5.56
740659.7	991368	7250	6.16	-0.39	740710.8	991225.6	7100	-1.19	-3.02
740661.8	991358.3	7240	6.32	-0.45	740708.7	991235.3	7110	5.31	-0.59
740663.9	991348.4	7230	6.38	-0.34	740706.6	991245.1	7120	6.62	-0.65
740666.1	991338.7	7220	6.38	-0.21	740704.5	991254.9	7130	5.68	-0.20
740668.1	991328.9	7210	6.41	-0.47	740702.4	991264.7	7140	7.32	-0.28
740670.3	991319.1	7200	6.44	-0.28	740700.3	991274.4	7150	7.48	-0.32
740672.3	991309.4	7190	6.26	-0.31	740698.3	991284.3	7160	6.77	-0.33
740674.4	991299.6	7180	6.13	-0.22	740696.1	991294	7170	6.53	-0.17
740676.5	991289.8	7170	6.44	-0.15	740694	991303.8	7180	6.50	-0.30
740678.7	991280	7160	6.26	-0.16	740691.9	991313.6	7190	6.44	-0.40
740680.8	991270.3	7150	6.44	-0.33	740689.8	991323.3	7200	6.44	-0.06
740682.9	991260.5	7140	7.26	-0.36	740687.7	991333.1	7210	6.35	-0.23
740684.9	991250.7	7130	6.53	-0.48	740685.6	991342.9	7220	6.68	-0.38
740687	991240.9	7120	6.23	-0.26	740683.4	991352.7	7230	6.53	-0.23

Easting	Northing	Station	Conduct.	In-Phase
740681.4	991362.4	7240	6.65	-0.26
740679.3	991372.2	7250	6.38	-0.38
740677.2	991382	7260	6.77	-0.26
740675.1	991391.8	7270	6.68	-0.15
740673	991401.6	7280	6.71	-0.22
740670.9	991411.4	7290	6.62	-0.22
740668.8	991421.1	7300	6.50	0.00
740666.8	991430.9	7310	6.62	-0.09
740664.6	991440.7	7320	6.65	-0.16
740662.5	991450.4	7330	6.68	-0.31
740660.4	991460.3	7340	6.38	-0.31
740658.3	991470	7350	6.44	-0.14
740656.1	991479.8	7360	6.62	-0.22
740654.1	991489.6	7370	6.71	-0.22
740651.9	991499.3	7380	6.35	-0.33
740649.9	991509.1	7390	6.47	-0.31
740647.8	991518.9	7400	6.32	-0.31
740645.7	991528.7	7410	6.47	0.00
740643.6	991538.4	7420	6.41	-0.39
740641.5	991548.3	7430	6.53	-0.19
740639.4	991558	7440	6.29	-0.21
740637.3	991567.8	7450	6.29	-0.31
740635.2	991577.6	7460	6.26	-0.25
740633.1	991587.3	7470	6.35	-0.37
740631	991597.1	7480	6.56	-0.45
740628.9	991606.9	7490	6.20	-0.25
740626.8	991616.7	7500	6.35	-0.32
740624.6	991626.4	7510	6.29	-0.19
740622.6	991636.3	7520	6.38	-0.41
740620.4	991646	7530	6.56	-0.36
740618.4	991655.8	7540	6.71	-0.23
740616.3	991665.6	7550	6.74	-0.39
740614.2	991675.4	7560	6.74	-0.22
740612.1	991685.1	7570	8.21	-0.53
740610	991694.9	7580	6.77	-0.27
740607.9	991704.7	7590	7.32	-0.36
740605.8	991714.4	7600	7.14	-0.04
740603.7	991724.3	7610	7.17	-0.18
740601.6	991734	7620	7.45	-0.34
740599.5	991743.8	7630	7.84	-0.04
740597.4	991753.6	7640	8.66	-0.23
740595.3	991763.4	7650	8.70	-0.39
740593.1	991773.1	7660	8.66	-0.27
740591.1	991782.9	7670	9.31	-0.22
740588.9	991792.7	7680	9.52	-0.30
740586.9	991802.5	7690	9.12	-0.25
740584.8	991812.3	7700	9.28	-0.15
740582.7	991822	7710	10.13	-0.40
740580.6	991831.8	7720	9.64	-0.03
740578.5	991841.6	7730	10.59	-0.32
740576.4	991851.4	7740	10.01	-0.39

Easting	Northing	Station	Conduct.	In-Phase
740574.3	991861.1	7750	10.22	-0.36
740572.2	991870.9	7760	10.77	-0.22
740570.1	991880.7	7770	9.58	-0.30
740568	991890.5	7780	9.12	-0.23
740565.9	991900.3	7790	9.12	-0.74
740563.8	991910.1	7800	9.16	-0.29
740561.6	991919.8	7810	10.25	-0.20
740559.6	991929.6	7820	9.55	-0.23
740557.4	991939.4	7830	9.83	-0.10
740555.4	991949.1	7840	9.40	-0.57
740553.3	991958.9	7850	8.91	-0.34
740551.2	991968.7	7860	9.34	-0.24
740549.1	991978.5	7870	9.12	-0.17
740547	991988.3	7880	9.00	-0.10
740544.9	991998.1	7890	9.22	-0.58
740542.8	992007.7	7900	9.00	-0.32
740540.8	992017.5	7910	9.31	-0.35
740538.6	992027.3	7920	9.37	-0.19
740536.5	992037.1	7930	8.76	-0.13
740534.4	992046.8	7940	8.82	-0.19
740532.3	992056.6	7950	8.85	-0.70
740530.2	992066.4	7960	8.76	-0.02
740528.1	992076.2	7970	9.31	-0.15
740526.1	992085.9	7980	9.12	-0.08
740523.9	992095.7	7990	8.73	-0.06
740521.9	992105.5	8000	8.88	-0.09
740519.7	992115.3	8010	9.06	-0.17
740517.6	992125.1	8020	9.25	-0.23
740515.5	992134.8	8030	8.76	-0.68
740513.4	992144.6	8040	9.12	-0.37
740511.3	992154.4	8050	8.85	-0.39
740509.3	992164.2	8060	8.76	-0.36
740507.1	992173.9	8070	8.27	-0.26
740505	992183.8	8080	9.55	-0.20
740502.9	992193.5	8090	9.95	-0.04
740500.8	992203.3	8100	9.12	-0.10
740498.7	992213.1	8110	9.06	-0.09
740496.6	992222.8	8120	8.79	-0.41
740494.6	992232.6	8130	9.00	-0.38
740492.4	992242.4	8140	9.19	-0.37
740490.4	992252.2	8150	9.34	-0.24
740488.2	992261.9	8160	9.37	-0.23
740486.1	992271.8	8170	9.55	-0.39
740484	992281.5	8180	10.25	-0.12
740481.9	992291.3	8190	10.04	-0.48
740479.8	992301.1	8200	10.28	-0.37
740477.8	992310.9	8210	10.93	-0.09
740475.6	992320.6	8220	11.29	-0.64
740473.5	992330.4	8230	11.38	0.00
740471.4	992340.2	8240	11.11	-0.33
740469.3	992349.9	8250	10.83	-0.25

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740467.3	992359.8	8260	10.86	-0.33	740483.4	992361.8	8260	10.38	-0.27
740465.1	992369.5	8270	10.25	-0.44	740485.4	992351.9	8250	11.11	-0.44
740463.1	992379.3	8280	10.38	-0.36	740487.4	992342.1	8240	11.66	-0.31
740460.9	992389.1	8290	10.35	-0.30	740489.2	992332.3	8230	11.47	-0.05
740458.9	992398.9	8300	10.56	-0.22	740491.2	992322.4	8220	11.60	-0.24
740456.7	992408.6	8310	10.44	-0.33	740493.1	992312.6	8210	11.69	-0.07
740454.6	992418.4	8320	10.16	-0.24	740495.1	992302.8	8200	11.08	-0.40
740452.5	992428.2	8330	10.53	-0.63	740497.1	992293	8190	10.44	-0.34
740450.4	992437.9	8340	10.31	-0.26	740499	992283.3	8180	10.83	-0.08
740448.3	992447.8	8350	9.95	-0.39	740500.9	992273.5	8170	10.22	-0.35
740446.3	992457.5	8360	10.22	-0.24	740502.9	992263.7	8160	10.53	-0.29
740444.1	992467.3	8370	9.67	-0.45	740504.8	992253.9	8150	10.04	-0.32
740442	992477.1	8380	8.91	-0.26	740506.8	992244.1	8140	9.83	-0.26
740440	992486.9	8390	9.43	-0.33	740508.8	992234.3	8130	9.74	-0.28
740437.8	992496.6	8400	9.49	-0.42	740510.7	992224.4	8120	9.86	-0.36
740435.8	992506.4	8410	8.85	-0.07	740512.7	992214.6	8110	9.77	-0.20
740433.6	992516.2	8420	10.56	-0.69	740514.6	992204.8	8100	9.19	-0.25
740431.6	992526	8430	9.95	-0.19	740516.6	992195	8090	9.89	-0.73
740429.4	992535.8	8440	10.25	-0.22	740518.6	992185.2	8080	9.83	-0.13
740427.4	992545.5	8450	10.28	-0.38	740520.5	992175.4	8070	10.01	-0.18
740425.2	992555.3	8460	10.25	-0.40	740522.4	992165.6	8060	8.48	-0.22
740423.1	992565.1	8470	10.71	-0.28	740524.4	992155.8	8050	9.00	-0.29
740421	992574.9	8480	10.44	-0.35	740526.3	992145.9	8040	9.52	-0.11
740418.9	992584.6	8490	10.50	-0.15	740528.3	992136.1	8030	9.89	-0.72
740416.8	992594.4	8500	10.74	-0.71	740530.2	992126.3	8020	10.04	-0.15
740414.8	992604.2	8510	11.02	-0.47	740532.1	992116.5	8010	9.58	-0.10
740434.6	992606.9	8510	11.38	-0.22	740534.1	992106.7	8000	9.70	0.00
740436.6	992597.1	8500	11.54	-0.24	740536.1	992096.9	7990	9.86	-0.06
740438.6	992587.3	8490	11.44	-0.26	740538	992087.1	7980	9.61	-0.01
740440.5	992577.5	8480	11.20	-0.28	740539.9	992077.4	7970	9.37	-0.07
740442.4	992567.7	8470	11.41	-0.28	740541.9	992067.6	7960	9.67	-0.09
740444.4	992557.9	8460	11.47	-0.25	740543.9	992057.8	7950	9.25	-0.10
740446.4	992548.1	8450	11.54	-0.18	740545.8	992047.9	7940	9.06	-0.22
740448.3	992538.3	8440	11.38	-0.26	740547.8	992038.1	7930	9.19	-0.71
740450.3	992528.4	8430	11.23	-0.28	740549.8	992028.3	7920	9.46	-0.57
740452.3	992518.6	8420	11.47	-0.64	740551.7	992018.5	7910	9.52	-0.62
740454.1	992508.8	8410	11.47	-0.28	740553.6	992008.7	7900	9.49	-0.61
740456.1	992499.1	8400	9.58	-0.24	740555.6	991998.9	7890	9.74	-0.65
740458	992489.3	8390	10.89	-0.17	740557.6	991989.1	7880	9.67	-0.66
740459.9	992479.4	8380	9.46	-0.27	740559.5	991979.3	7870	9.77	-0.72
740461.9	992469.6	8370	10.25	-0.14	740561.5	991969.4	7860	9.58	-0.72
740463.9	992459.8	8360	11.29	-0.20	740563.3	991959.6	7850	9.80	-0.03
740465.8	992450	8350	10.53	-0.22	740565.3	991949.8	7840	10.07	-0.04
740467.8	992440.3	8340	10.96	-0.24	740567.3	991940	7830	10.10	-0.68
740469.8	992430.4	8330	10.56	-0.21	740569.2	991930.2	7820	10.28	-0.71
740471.7	992420.6	8320	10.65	-0.15	740571.2	991920.4	7810	10.71	-0.67
740473.6	992410.8	8310	10.86	-0.16	740573.1	991910.6	7800	11.54	-0.02
740475.6	992401	8300	10.96	-0.15	740575.1	991900.8	7790	10.77	-0.14
740477.6	992391.2	8290	10.44	-0.21	740577.1	991890.9	7780	10.38	-0.69
740479.5	992381.4	8280	10.41	-0.19	740579	991881.1	7770	10.80	-0.01
740481.5	992371.6	8270	10.96	-0.27	740580.9	991871.3	7760	10.99	-0.15

Easting	Northing	Station	Conduct.	In-Phase
740582.9	991861.6	7750	11.38	-0.14
740584.9	991851.8	7740	10.44	0.00
740586.8	991841.9	7730	9.67	-0.07
740588.8	991832.1	7720	10.71	-0.10
740590.7	991822.3	7710	8.91	-0.05
740592.7	991812.5	7700	8.61	-0.01
740594.6	991802.7	7690	8.21	-0.06
740596.6	991792.9	7680	8.09	-0.09
740598.4	991783.1	7670	7.93	-0.13
740600.4	991773.3	7660	7.87	-0.05
740602.4	991763.4	7650	7.63	-0.04
740604.3	991753.6	7640	7.45	-0.07
740606.3	991743.8	7630	7.72	-0.08
740608.3	991734	7620	7.54	-0.08
740610.2	991724.2	7610	7.32	-0.04
740612.1	991714.4	7600	7.08	-0.67
740614.1	991704.6	7590	7.23	-0.64
740616.1	991694.8	7580	6.99	-0.65
740618	991684.9	7570	6.65	-0.08
740620	991675.1	7560	8.42	-0.01
740621.9	991665.3	7550	6.90	-0.03
740623.9	991655.6	7540	6.50	-0.05
740625.8	991645.8	7530	6.53	-0.70
740662.3	991667.8	7550	6.29	0.02
740660.3	991677.6	7560	6.71	-0.61
740658.3	991687.4	7570	6.99	-0.08
740656.4	991697.2	7580	6.90	-0.40
740654.4	991707	7590	6.96	-0.38
740652.4	991716.8	7600	6.38	-0.54
740650.5	991726.6	7610	6.59	-0.41
740648.5	991736.4	7620	6.04	-0.39
740646.6	991746.3	7630	6.32	-0.60
740644.6	991756.1	7640	6.81	-0.55
740642.8	991765.9	7650	6.68	-0.53
740640.8	991775.7	7660	6.93	-0.54
740638.8	991785.5	7670	6.84	-0.63
740636.9	991795.3	7680	6.77	-0.51
740634.9	991805.1	7690	6.99	-0.51
740632.9	991814.9	7700	6.71	-0.60
740631	991824.8	7710	7.14	-0.51
740629.1	991834.6	7720	7.23	-0.50
740627.1	991844.3	7730	8.12	-0.65
740625.2	991854.1	7740	7.81	-0.70
740623.2	991863.9	7750	7.81	-0.56
740621.3	991873.8	7760	8.27	-0.29
740619.3	991883.6	7770	8.61	-0.63
740617.3	991893.4	7780	9.00	-0.64
740615.4	991903.2	7790	8.91	-0.53
740613.4	991912.9	7800	9.00	-0.68
740611.4	991922.8	7810	9.00	-0.57
740609.5	991932.6	7820	9.43	-0.32

Easting	Northing	Station	Conduct.	In-Phase
740607.6	991942.4	7830	9.61	-0.37
740605.7	991952.3	7840	9.74	-0.67
740603.8	991962.1	7850	10.19	-0.60
740601.8	991971.9	7860	10.28	-0.53
740599.8	991981.7	7870	10.19	-0.72
740597.9	991991.5	7880	10.19	-0.57
740595.9	992001.3	7890	10.56	-0.56
740593.9	992011.1	7900	10.47	-0.72
740592	992020.9	7910	10.31	-0.71
740590	992030.8	7920	10.47	-0.51
740588.1	992040.6	7930	10.47	-0.52
740586.1	992050.3	7940	10.10	-0.57
740584.2	992060.1	7950	10.19	-0.47
740582.2	992069.9	7960	10.16	-0.47
740580.3	992079.7	7970	10.47	-0.32
740578.3	992089.5	7980	10.41	-0.43
740576.4	992099.3	7990	10.53	-0.44
740574.4	992109.1	8000	10.47	-0.43
740572.4	992118.9	8010	9.80	-0.59
740570.5	992128.8	8020	10.41	-0.46
740568.6	992138.6	8030	10.62	-0.39
740566.7	992148.4	8040	10.01	-0.49
740564.7	992158.2	8050	10.31	-0.52
740562.8	992168	8060	10.01	-0.61
740560.8	992177.8	8070	10.16	-0.51
740558.8	992187.6	8080	10.28	-0.47
740556.9	992197.4	8090	10.22	-0.58
740554.9	992207.3	8100	9.95	-0.55
740552.9	992217.1	8110	10.07	-0.52
740551	992226.9	8120	9.74	-0.58
740549.1	992236.7	8130	9.74	-0.59
740547.1	992246.5	8140	9.89	-0.52
740545.1	992256.2	8150	10.35	-0.51
740543.2	992266	8160	10.68	-0.60
740541.3	992275.8	8170	10.74	-0.59
740539.3	992285.6	8180	10.71	-0.53
740537.3	992295.4	8190	10.44	-0.46
740535.4	992305.3	8200	10.74	-0.04
740533.5	992315.1	8210	10.56	-0.60
740531.6	992324.9	8220	10.41	-0.64
740529.6	992334.8	8230	10.74	-0.61
740527.6	992344.6	8240	10.31	-0.61
740525.7	992354.3	8250	10.47	-0.63
740523.8	992364.1	8260	10.80	-0.60
740521.8	992373.9	8270	10.99	-0.36
740519.8	992383.8	8280	10.80	-0.70
740517.9	992393.6	8290	11.02	-0.60
740515.9	992403.4	8300	10.86	-0.58
740513.9	992413.2	8310	11.05	-0.53
740512	992423	8320	11.08	-0.57
740510	992432.8	8330	11.35	-0.65

Easting	Northing	Station	Conduct.	In-Phase
740508.1	992442.6	8340	11.02	-0.57
740506.1	992452.4	8350	11.23	-0.61
740504.1	992462.3	8360	11.60	-0.59
740502.2	992472	8370	11.66	-0.50
740500.3	992481.8	8380	11.23	-0.35
740498.3	992491.6	8390	11.38	-0.01
740496.4	992501.4	8400	11.63	-0.67
740494.5	992511.3	8410	11.05	-0.58
740492.5	992521.1	8420	10.62	-0.57
740490.6	992530.9	8430	10.59	-0.59
740488.6	992540.7	8440	10.56	-0.55
740486.6	992550.5	8450	10.89	-0.37
740484.7	992560.3	8460	11.02	-0.44
740482.8	992570.1	8470	11.38	-0.70
740480.8	992579.9	8480	11.63	-0.45
740478.8	992589.8	8490	11.63	-0.55
740476.9	992599.6	8500	11.47	-0.59
740474.9	992609.4	8510	11.32	-0.56
740702.5	991670.3	7550	6.20	0.00
740700.5	991680.1	7560	6.53	0.00
740698.6	991689.9	7570	6.90	-0.68
740696.6	991699.7	7580	6.81	-0.15
740694.7	991709.5	7590	6.96	-0.17
740692.7	991719.3	7600	6.62	-0.21
740690.8	991729.1	7610	6.53	0.00
740688.9	991739	7620	6.59	0.02
740686.9	991748.8	7630	6.44	-0.06
740685	991758.6	7640	6.71	0.00
740683	991768.4	7650	6.26	0.01
740681.1	991778.3	7660	6.59	-0.27
740679.1	991788.1	7670	6.44	-0.01
740677.2	991797.8	7680	6.53	-0.65
740675.2	991807.6	7690	6.20	-0.02
740673.3	991817.4	7700	6.41	-0.10
740671.3	991827.2	7710	6.50	-0.69
740669.3	991837	7720	6.71	-0.19
740667.4	991846.8	7730	6.81	-0.06
740665.4	991856.6	7740	7.48	-0.31
740663.4	991866.4	7750	8.09	-0.39
740661.5	991876.3	7760	7.45	-0.13
740659.6	991886.1	7770	7.54	-0.20
740657.6	991895.9	7780	8.18	-0.67
740655.6	991905.7	7790	8.15	-0.13
740653.7	991915.5	7800	7.72	0.00
740651.8	991925.3	7810	7.81	0.02
740649.9	991935.1	7820	7.72	-0.06
740647.9	991944.9	7830	7.54	-0.01
740645.9	991954.8	7840	7.23	-0.38
740644	991964.6	7850	7.78	-0.18
740642.1	991974.4	7860	8.21	0.02
740640.1	991984.2	7870	8.54	-0.15
740638.1	991994	7880	8.88	-0.11
740636.2	992003.8	7890	9.52	-0.08
740634.3	992013.5	7900	9.55	-0.04
740632.3	992023.3	7910	10.41	-0.09
740630.3	992033.1	7920	10.28	-0.52
740628.4	992042.9	7930	11.23	-0.21
740626.4	992052.8	7940	10.96	-0.16
740624.4	992062.6	7950	11.02	-0.51
740622.5	992072.4	7960	11.20	-0.05
740620.5	992082.2	7970	11.20	-0.16
740618.6	992092	7980	11.26	-0.18
740616.7	992101.9	7990	11.35	-0.08
740614.8	992111.7	8000	10.74	-0.04
740612.8	992121.5	8010	11.08	-0.13
740610.8	992131.3	8020	10.71	-0.69
740608.9	992141.1	8030	10.80	-0.13
740606.9	992150.9	8040	10.89	0.02
740604.9	992160.7	8050	11.17	-0.03
740603	992170.5	8060	10.59	-0.21
740601.1	992180.3	8070	9.86	-0.06
740599.1	992190.1	8080	10.13	-0.25
740597.1	992199.9	8090	10.28	-0.12
740595.2	992209.8	8100	9.95	-0.06
740593.3	992219.5	8110	9.80	-0.50
740591.3	992229.3	8120	9.43	-0.19
740589.3	992239.1	8130	10.04	-0.08
740587.4	992248.9	8140	10.35	-0.04
740585.4	992258.8	8150	10.19	-0.07
740583.4	992268.6	8160	10.80	-0.50
740581.5	992278.4	8170	10.19	-0.61
740579.6	992288.2	8180	10.77	-0.60
740577.7	992298	8190	10.99	-0.13
740575.8	992307.8	8200	10.04	-0.11
740573.8	992317.5	8210	10.35	-0.26
740571.8	992327.3	8220	10.47	-0.05
740569.9	992337.1	8230	10.68	-0.67
740567.9	992346.9	8240	10.56	0.03
740565.9	992356.8	8250	10.38	-0.66
740564	992366.6	8260	10.71	-0.66
740562.1	992376.4	8270	10.80	-0.25
740560.1	992386.2	8280	11.08	-0.52
740558.1	992396	8290	10.86	-0.13
740556.2	992405.8	8300	11.32	-0.08
740554.3	992415.6	8310	11.41	-0.10
740552.3	992425.4	8320	11.29	-0.68
740550.3	992435.2	8330	11.41	-0.21
740548.4	992445	8340	11.29	-0.24
740546.4	992454.8	8350	11.11	-0.18
740544.4	992464.6	8360	11.11	-0.28
740542.6	992474.4	8370	11.17	-0.21
740540.6	992484.3	8380	11.44	-0.13

Easting	Northing	Station	Conduct.	In-Phase
740538.7	992494.1	8390	11.57	-0.11
740536.8	992503.9	8400	11.63	-0.20
740534.8	992513.7	8410	11.51	-0.20
740532.8	992523.5	8420	11.14	-0.11
740530.9	992533.3	8430	11.14	-0.10
740528.9	992543.1	8440	10.83	-0.24
740526.9	992552.9	8450	10.62	-0.57
740525	992562.8	8460	10.71	-0.26
740523	992572.6	8470	10.56	-0.14
740521.1	992582.4	8480	10.80	-0.05
740519.1	992592.2	8490	10.96	-0.12
740517.1	992602	8500	10.71	-0.26
740515.2	992611.8	8510	10.80	-0.63
740555.5	992614.2	8510	9.95	0.01
740557.4	992604.4	8500	10.28	-0.33
740559.4	992594.7	8490	10.16	-0.64
740561.3	992584.9	8480	10.07	-0.61
740563.3	992575.1	8470	10.22	0.00
740565.3	992565.3	8460	10.35	0.05
740567.2	992555.4	8450	10.62	0.00
740569.2	992545.6	8440	10.44	-0.63
740571.1	992535.8	8430	10.44	-0.04
740573.1	992526	8420	10.83	-0.03
740575.1	992516.2	8410	11.20	-0.23
740577	992506.4	8400	10.96	-0.61
740578.9	992496.6	8390	11.23	-0.08
740580.9	992486.8	8380	11.02	-0.11
740582.9	992476.9	8370	11.17	-0.06
740584.8	992467.1	8360	10.93	-0.12
740586.8	992457.3	8350	11.57	-0.12
740588.8	992447.5	8340	11.38	-0.34
740590.6	992437.7	8330	11.44	-0.20
740592.6	992427.9	8320	11.20	-0.69
740594.5	992418.1	8310	11.54	0.04
740596.4	992408.3	8300	11.02	-0.07
740598.4	992398.4	8290	11.41	-0.04
740600.4	992388.8	8280	10.77	-0.12
740602.3	992378.9	8270	10.83	-0.65
740604.3	992369.1	8260	10.96	0.02
740606.3	992359.3	8250	10.71	-0.04
740608.2	992349.5	8240	10.89	-0.02
740610.1	992339.7	8230	10.38	-0.65
740612.1	992329.9	8220	10.59	-0.53
740614.1	992320.1	8210	10.71	0.00
740616	992310.3	8200	10.38	0.02
740618	992300.4	8190	10.13	-0.14
740619.9	992290.6	8180	10.56	-0.14
740621.9	992280.8	8170	11.26	-0.02
740623.8	992271	8160	10.99	-0.02
740625.7	992261.2	8150	10.71	-0.11
740627.7	992251.4	8140	11.02	0.04
740629.6	992241.6	8130	10.93	-0.67
740631.6	992231.8	8120	10.62	-0.09
740633.6	992221.9	8110	10.68	-0.08
740635.5	992212.1	8100	10.77	-0.12
740637.4	992202.3	8090	11.38	0.00
740639.4	992192.5	8080	10.68	0.05
740641.4	992182.7	8070	11.20	-0.04
740643.3	992172.9	8060	11.08	-0.09
740645.3	992163.1	8050	11.44	-0.08
740647.2	992153.3	8040	11.54	0.00
740649.2	992143.5	8030	11.14	0.03
740651.1	992133.7	8020	11.66	-0.39
740653.1	992123.9	8010	11.38	-0.59
740655.1	992114.1	8000	11.05	-0.60
740657	992104.3	7990	12.18	-0.58
740658.9	992094.4	7980	12.12	-0.64
740660.9	992084.6	7970	10.96	-0.64
740662.8	992074.8	7960	10.65	-0.68
740664.8	992065	7950	10.16	0.00
740666.7	992055.2	7940	10.13	-0.67
740668.6	992045.4	7930	9.55	-0.64
740670.6	992035.6	7920	8.79	-0.07
740672.6	992025.8	7910	8.30	0.00
740674.5	992015.9	7900	7.87	-0.05
740676.5	992006.1	7890	7.51	-0.67
740678.4	991996.3	7880	7.72	-0.66
740680.4	991986.5	7870	7.60	-0.55
740682.3	991976.7	7860	7.23	-0.62
740684.3	991967	7850	7.39	-0.53
740686.3	991957.2	7840	7.35	-0.57
740688.2	991947.4	7830	7.32	-0.13
740690.1	991937.6	7820	7.69	-0.09
740692.1	991927.8	7810	7.84	-0.68
740694.1	991917.9	7800	7.35	-0.67
740696	991908.1	7790	6.99	-0.69
740698	991898.3	7780	7.17	-0.01
740699.8	991888.5	7770	7.20	0.01
740701.8	991878.7	7760	7.48	0.00
740703.8	991868.9	7750	7.14	-0.01
740705.7	991859.1	7740	7.02	0.00
740707.7	991849.3	7730	6.65	0.00
740709.6	991839.4	7720	6.65	0.04
740711.6	991829.6	7710	6.71	-0.54
740713.6	991819.8	7700	6.53	-0.61
740715.5	991810	7690	7.02	-0.03
740717.4	991800.2	7680	6.71	-0.03
740719.4	991790.4	7670	6.81	-0.04
740721.4	991780.6	7660	7.23	-0.02
740723.3	991770.8	7650	6.96	-0.03
740725.3	991760.9	7640	7.02	0.01
740727.2	991751.3	7630	7.14	0.03

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740729.2	991741.4	7620	7.08	-0.01	740699.3	992096.9	7980	8.12	-0.69
740731.1	991731.6	7610	7.02	-0.67	740697.3	992106.7	7990	8.24	-0.61
740733.1	991721.8	7600	6.68	-0.08	740695.3	992116.5	8000	8.30	-0.16
740734.9	991711.9	7590	7.29	0.03	740693.4	992126.3	8010	8.00	-0.11
740736.9	991702.1	7580	6.99	-0.18	740691.4	992136.1	8020	8.45	-0.02
740738.9	991692.3	7570	7.23	-0.67	740689.5	992145.9	8030	9.16	-0.69
740740.8	991682.5	7560	7.17	-0.02	740687.5	992155.7	8040	8.88	-0.05
740742.8	991672.7	7550	7.42	-0.01	740685.6	992165.5	8050	9.80	-0.46
740783.1	991675.1	7550	7.26	-0.02	740683.6	992175.3	8060	10.16	-0.41
740781.1	991684.9	7560	7.39	-0.07	740681.6	992185.1	8070	10.65	-0.67
740779.3	991694.8	7570	7.66	-0.60	740679.7	992194.9	8080	10.71	-0.65
740777.3	991704.6	7580	7.54	-0.06	740677.8	992204.7	8090	11.26	-0.05
740775.3	991714.4	7590	7.39	-0.23	740675.8	992214.5	8100	10.83	-0.15
740773.4	991724.1	7600	7.14	-0.01	740673.8	992224.3	8110	11.35	0.00
740771.4	991733.9	7610	7.60	-0.14	740671.9	992234.1	8120	11.11	-0.04
740769.5	991743.8	7620	7.17	-0.05	740670	992244	8130	10.99	-0.69
740767.5	991753.6	7630	7.84	-0.06	740668.1	992253.8	8140	11.20	0.05
740765.6	991763.4	7640	7.63	-0.14	740666.1	992263.6	8150	11.05	-0.66
740763.6	991773.2	7650	7.97	0.00	740664.1	992273.4	8160	10.93	0.00
740761.6	991783	7660	7.97	-0.10	740662.2	992283.3	8170	10.41	-0.65
740759.7	991792.8	7670	8.12	-0.02	740660.2	992293.1	8180	10.10	-0.47
740757.8	991802.6	7680	7.93	-0.06	740658.3	992302.9	8190	9.83	-0.56
740755.8	991812.4	7690	7.93	-0.05	740656.3	992312.7	8200	10.28	0.01
740753.8	991822.3	7700	8.27	-0.03	740654.4	992322.5	8210	10.13	-0.65
740751.9	991832.1	7710	8.36	0.01	740652.4	992332.3	8220	10.19	-0.66
740749.9	991841.9	7720	7.93	0.03	740650.4	992342.1	8230	10.22	-0.63
740747.9	991851.7	7730	7.90	-0.01	740648.5	992351.9	8240	10.07	0.04
740746	991861.5	7740	7.51	-0.11	740646.6	992361.6	8250	10.38	0.02
740744.1	991871.3	7750	7.51	-0.04	740644.6	992371.4	8260	10.65	0.00
740742.2	991881.1	7760	7.17	-0.02	740642.6	992381.3	8270	10.56	-0.42
740740.3	991890.9	7770	7.35	-0.08	740640.7	992391.1	8280	10.83	0.00
740738.3	991900.8	7780	7.60	-0.05	740638.7	992400.9	8290	10.80	-0.19
740736.3	991910.6	7790	7.45	-0.66	740636.8	992410.7	8300	10.86	-0.08
740734.4	991920.4	7800	7.32	-0.08	740634.8	992420.5	8310	11.20	-0.01
740732.4	991930.2	7810	7.66	-0.01	740632.9	992430.3	8320	11.26	-0.67
740730.4	991939.9	7820	7.72	-0.01	740631	992440.1	8330	11.29	-0.03
740728.5	991949.7	7830	7.57	-0.66	740629	992449.9	8340	11.75	0.00
740726.6	991959.5	7840	7.39	0.02	740627.1	992459.8	8350	11.44	-0.10
740724.6	991969.3	7850	7.20	-0.49	740625.1	992469.6	8360	11.14	0.00
740722.6	991979.1	7860	7.17	-0.59	740623.1	992479.4	8370	10.89	0.04
740720.7	991988.9	7870	7.11	-0.56	740621.2	992489.2	8380	10.96	-0.01
740718.7	991998.8	7880	6.96	-0.53	740619.3	992499	8390	10.96	-0.69
740716.8	992008.6	7890	7.48	-0.59	740617.3	992508.8	8400	10.74	-0.59
740714.8	992018.4	7900	7.11	-0.44	740615.3	992518.6	8410	10.44	-0.69
740712.8	992028.2	7910	7.45	-0.44	740613.4	992528.4	8420	10.10	0.00
740710.9	992038	7920	7.20	-0.54	740611.4	992538.3	8430	10.44	-0.62
740708.9	992047.8	7930	7.20	-0.58	740609.4	992548.1	8440	10.22	-0.68
740707	992057.6	7940	6.87	-0.43	740607.5	992557.9	8450	10.19	-0.05
740705.1	992067.4	7950	6.13	-0.33	740605.6	992567.6	8460	10.31	0.03
740703.1	992077.3	7960	7.45	0.00	740603.6	992577.4	8470	9.95	0.03
740701.2	992087.1	7970	7.45	-0.69	740601.6	992587.2	8480	9.95	-0.69

Easting	Northing	Station	Conduct.	In-Phase
740599.7	992597	8490	9.95	-0.01
740597.8	992606.9	8500	9.83	-0.69
740595.9	992616.7	8510	9.92	-0.69
740636.1	992619.2	8510	9.80	-0.48
740638.1	992609.4	8500	9.74	-0.56
740640.1	992599.6	8490	9.55	-0.53
740642	992589.8	8480	9.95	-0.62
740643.9	992579.9	8470	9.55	-0.53
740645.8	992570.1	8460	9.98	0.03
740647.8	992560.3	8450	9.98	-0.55
740649.8	992550.5	8440	10.01	-0.57
740651.7	992540.7	8430	10.41	-0.52
740653.6	992530.9	8420	10.59	-0.50
740655.6	992521.1	8410	10.47	0.04
740657.6	992511.3	8400	10.77	-0.64
740659.5	992501.5	8390	10.99	-0.33
740661.4	992491.7	8380	11.23	-0.35
740663.4	992481.9	8370	11.05	-0.36
740665.4	992472.1	8360	11.26	-0.42
740667.3	992462.3	8350	11.38	-0.04
740669.3	992452.4	8340	11.26	-0.47
740671.3	992442.6	8330	11.60	-0.68
740673.2	992432.8	8320	11.11	-0.22
740675.2	992423	8310	11.17	0.00
740677.1	992413.2	8300	11.05	-0.67
740679.1	992403.4	8290	10.62	-0.65
740680.9	992393.6	8280	10.65	-0.02
740682.9	992383.8	8270	10.96	-0.60
740684.9	992373.9	8260	10.28	-0.62
740686.8	992364.1	8250	10.28	-0.62
740688.8	992354.3	8240	10.19	-0.54
740690.7	992344.5	8230	9.55	-0.41
740692.7	992334.7	8220	9.74	-0.48
740694.6	992324.9	8210	9.83	-0.41
740696.6	992315.1	8200	9.67	-0.38
740698.5	992305.4	8190	9.61	-0.46
740700.5	992295.6	8180	9.77	-0.09
740702.4	992285.8	8170	9.80	-0.45
740704.4	992275.9	8160	10.71	-0.48
740706.4	992266.1	8150	10.22	-0.50
740708.3	992256.3	8140	11.32	-0.63
740710.3	992246.5	8130	11.20	-0.07
740712.3	992236.7	8120	11.08	-0.66
740714.2	992226.9	8110	10.74	-0.50
740716.1	992217.1	8100	11.02	-0.54
740718	992207.3	8090	10.68	-0.39
740719.9	992197.4	8080	10.10	-0.66
740721.9	992187.6	8070	9.89	-0.69
740723.9	992177.8	8060	9.25	-0.54
740725.8	992168	8050	8.94	-0.59
740727.8	992158.2	8040	7.97	-0.49

Easting	Northing	Station	Conduct.	In-Phase
740729.8	992148.4	8030	7.72	-0.44
740731.7	992138.6	8020	7.60	-0.22
740733.6	992128.8	8010	7.69	-0.34
740735.6	992118.9	8000	7.42	-0.20
740737.6	992109.1	7990	7.26	-0.29
740739.5	992099.4	7980	7.75	-0.60
740741.4	992089.6	7970	7.02	-0.41
740743.4	992079.8	7960	7.32	-0.69
740745.4	992070	7950	7.54	-0.39
740747.3	992060.2	7940	7.97	-0.36
740749.3	992050.4	7930	7.51	-0.68
740751.3	992040.6	7920	7.69	-0.47
740753.2	992030.8	7910	7.97	-0.65
740755.1	992020.9	7900	8.21	-0.62
740757	992011.1	7890	7.69	-0.34
740759	992001.3	7880	7.90	-0.51
740760.9	991991.4	7870	7.84	-0.59
740762.9	991981.6	7860	7.87	0.00
740764.9	991971.8	7850	8.36	-0.46
740766.8	991962.1	7840	8.00	-0.06
740768.8	991952.3	7830	8.03	-0.60
740770.8	991942.4	7820	8.36	0.00
740772.7	991932.6	7810	8.18	-0.61
740774.6	991922.8	7800	8.66	-0.11
740776.6	991913	7790	8.85	-0.02
740778.6	991903.2	7780	8.66	-0.07
740780.5	991893.4	7770	9.03	-0.05
740782.4	991883.6	7760	9.00	0.04
740784.4	991873.8	7750	9.16	-0.60
740786.4	991864	7740	9.28	-0.54
740788.3	991854.2	7730	8.33	-0.01
740790.2	991844.4	7720	8.88	-0.66
740792.1	991834.6	7710	9.03	0.03
740794.1	991824.8	7700	8.66	-0.05
740796.1	991814.9	7690	8.48	-0.62
740798	991805.1	7680	8.45	-0.66
740799.9	991795.3	7670	8.64	-0.61
740801.9	991785.5	7660	8.42	-0.11
740803.9	991775.7	7650	8.48	-0.63
740805.8	991765.9	7640	8.09	-0.03
740807.8	991756.1	7630	7.81	-0.56
740809.8	991746.3	7620	8.30	-0.59
740811.7	991736.4	7610	7.57	0.00
740813.7	991726.6	7600	7.48	-0.18
740815.6	991716.8	7590	7.14	0.00
740817.6	991707	7580	6.96	-0.04
740819.6	991697.2	7570	7.23	-0.65
740821.5	991687.4	7560	6.53	-0.46
740823.4	991677.7	7550	6.81	-0.02
740867.3	991680.8	7550	7.32	-0.42
740865.3	991690.5	7560	8.09	-0.45

Easting	Northing	Station	Conduct.	In-Phase
740863.4	991700.3	7570	7.72	-0.45
740861.4	991710.1	7580	7.66	-0.37
740859.4	991719.9	7590	7.72	-0.43
740857.5	991729.8	7600	7.63	-0.62
740855.5	991739.6	7610	8.24	-0.44
740853.6	991749.4	7620	8.06	-0.55
740851.6	991759.2	7630	8.30	-0.39
740849.6	991769	7640	8.54	-0.52
740847.7	991778.8	7650	8.48	-0.43
740845.8	991788.6	7660	7.93	-0.47
740843.8	991798.4	7670	8.51	-0.40
740841.8	991808.3	7680	8.27	-0.49
740839.9	991818.1	7690	8.09	-0.45
740837.9	991827.9	7700	8.58	-0.46
740836.1	991837.6	7710	8.70	-0.50
740834.1	991847.4	7720	8.64	-0.40
740832.1	991857.3	7730	8.61	-0.39
740830.2	991867.1	7740	8.91	-0.34
740828.3	991876.9	7750	9.19	-0.49
740826.3	991886.7	7760	8.27	-0.66
740824.3	991896.5	7770	10.25	-0.35
740822.4	991906.3	7780	9.55	-0.57
740820.4	991916.1	7790	9.06	-0.50
740818.4	991925.9	7800	8.66	0.01
740816.5	991935.8	7810	8.70	-0.52
740814.6	991945.6	7820	8.79	-0.63
740812.6	991955.4	7830	9.03	-0.48
740810.6	991965.2	7840	8.54	-0.45
740808.7	991975	7850	8.64	-0.52
740806.7	991984.8	7860	8.73	-0.43
740804.8	991994.6	7870	8.45	-0.42
740802.8	992004.4	7880	8.24	-0.35
740800.9	992014.3	7890	8.30	-0.33
740799	992024.1	7900	8.76	-0.37
740797	992033.9	7910	7.78	-0.39
740795.1	992043.7	7920	8.30	-0.43
740793.1	992053.4	7930	8.21	-0.15
740791.2	992063.2	7940	8.06	-0.49
740789.2	992073	7950	7.97	-0.24
740787.3	992082.8	7960	8.48	-0.17
740785.3	992092.6	7970	7.81	-0.17
740783.4	992102.4	7980	8.12	-0.40
740781.4	992112.3	7990	8.21	-0.12
740779.4	992122.1	8000	8.09	-0.30
740777.5	992131.9	8010	7.97	-0.14
740775.5	992141.7	8020	8.09	-0.10
740773.6	992151.5	8030	7.81	-0.07
740771.6	992161.3	8040	7.57	-0.03
740769.6	992171.1	8050	7.35	-0.18
740767.7	992180.9	8060	7.90	-0.14
740765.8	992190.8	8070	8.36	-0.42

Easting	Northing	Station	Conduct.	In-Phase
740763.9	992200.6	8080	8.79	-0.35
740761.9	992210.4	8090	9.61	-0.38
740759.9	992220.2	8100	10.31	-0.42
740758	992230	8110	10.35	-0.34
740756.1	992239.8	8120	10.59	-0.29
740754.1	992249.6	8130	10.86	-0.06
740752.1	992259.4	8140	11.23	-0.33
740750.2	992269.2	8150	11.38	-0.31
740748.3	992279	8160	10.31	-0.53
740746.3	992288.8	8170	10.19	-0.31
740744.3	992298.6	8180	11.11	-0.11
740742.4	992308.4	8190	10.10	-0.47
740740.4	992318.3	8200	10.04	-0.15
740738.4	992328.1	8210	9.67	-0.25
740736.5	992337.9	8220	9.70	-0.37
740734.6	992347.6	8230	9.67	-0.30
740732.6	992357.4	8240	9.70	-0.11
740730.6	992367.3	8250	10.04	-0.07
740728.7	992377.1	8260	10.35	-0.09
740726.8	992386.9	8270	10.68	-0.18
740724.9	992396.8	8280	10.86	0.00
740722.9	992406.6	8290	10.89	-0.49
740720.9	992416.4	8300	11.11	-0.36
740719	992426.2	8310	11.23	-0.59
740717	992436	8320	11.32	-0.29
740715.1	992445.8	8330	11.66	-0.48
740713.1	992455.6	8340	11.57	-0.44
740711.1	992465.4	8350	11.57	-0.55
740709.2	992475.1	8360	11.38	-0.38
740707.3	992484.9	8370	11.29	-0.56
740705.3	992494.8	8380	11.29	-0.48
740703.3	992504.6	8390	11.14	-0.59
740701.4	992514.4	8400	11.23	-0.67
740699.4	992524.2	8410	11.05	-0.04
740697.4	992534	8420	11.29	-0.60
740695.5	992543.8	8430	10.71	-0.55
740693.6	992553.6	8440	10.[illegible]	-0.52
740691.7	992563.4	8450	10.[illegible]	-0.56
740689.8	992573.3	8460	10.38	-0.52
740687.8	992583.1	8470	10.56	-0.55
740685.8	992592.9	8480	10.28	-0.51
740683.9	992602.7	8490	10.22	-0.61
740681.9	992612.5	8500	10.07	-0.69
740679.9	992622.3	8510	10.28	-0.32
740723.8	992625.4	8510	10.86	-0.29
740725.8	992615.6	8500	10.83	-0.36
740727.7	992605.8	8490	10.83	-0.46
740729.6	992596	8480	11.02	-0.41
740731.6	992586.2	8470	11.47	-0.48
740733.6	992576.4	8460	11.29	-0.06
740735.5	992566.6	8450	11.32	-0.52

Easting	Northing	Station	Conduct.	In-Phase
740737.4	992556.8	8440	11.20	-0.58
740739.4	992546.9	8430	11.38	-0.56
740741.3	992537.1	8420	11.87	-0.03
740743.3	992527.3	8410	11.84	-0.48
740745.2	992517.5	8400	11.69	-0.47
740747.1	992507.7	8390	11.72	-0.53
740749.1	992497.9	8380	11.66	-0.47
740751.1	992488.1	8370	11.75	-0.57
740753	992478.3	8360	11.69	-0.47
740755	992468.4	8350	11.93	-0.03
740756.9	992458.6	8340	11.60	-0.09
740758.9	992448.8	8330	11.75	0.00
740760.9	992439	8320	11.99	-0.03
740762.8	992429.2	8310	11.87	-0.50
740764.8	992419.4	8300	11.63	-0.45
740766.8	992409.6	8290	11.44	-0.43
740768.7	992399.9	8280	11.29	-0.47
740770.6	992390.1	8270	10.68	-0.38
740772.6	992380.3	8260	10.47	-0.40
740774.6	992370.4	8250	10.25	-0.45
740776.5	992360.6	8240	9.80	-0.43
740778.4	992350.8	8230	9.77	-0.28
740780.3	992341	8220	9.70	-0.37
740782.3	992331.2	8210	9.74	-0.37
740784.3	992321.4	8200	9.77	-0.35
740786.2	992311.6	8190	9.86	-0.21
740788.1	992301.8	8180	9.61	-0.22
740790.1	992291.9	8170	9.77	-0.45
740792.1	992282.1	8160	10.13	-0.03
740794	992272.3	8150	10.47	-0.01
740795.9	992262.5	8140	10.56	-0.53
740797.9	992252.7	8130	10.47	-0.51
740799.9	992242.9	8120	11.69	-0.48
740801.8	992233.1	8110	11.41	-0.54
740803.8	992223.3	8100	12.18	-0.05
740805.8	992213.4	8090	13.64	-0.41
740807.7	992203.6	8080	14.10	-0.59
740809.6	992193.9	8070	13.37	-0.41
740811.6	992184.1	8060	12.48	-0.37
740813.4	992174.3	8050	11.81	-0.46
740815.4	992164.4	8040	11.81	-0.37
740817.4	992154.6	8030	10.68	-0.53
740819.3	992144.8	8020	9.70	-0.48
740821.3	992135	8010	9.37	-0.53
740823.3	992125.2	8000	8.82	-0.57
740825.2	992115.4	7990	8.67	-0.01
740827.2	992105.6	7980	8.64	-0.05
740829.1	992095.8	7970	8.24	-0.09
740831.1	992085.9	7960	7.87	-0.54
740833.1	992076.1	7950	8.42	-0.01
740835	992066.3	7940	7.81	-0.23

Easting	Northing	Station	Conduct.	In-Phase
740836.9	992056.6	7930	7.90	-0.56
740838.9	992046.8	7920	8.42	-0.44
740840.9	992036.9	7910	8.36	-0.51
740842.8	992027.1	7900	8.24	-0.27
740844.8	992017.3	7890	8.21	-0.49
740846.8	992007.5	7880	8.24	-0.53
740848.7	991997.7	7870	8.48	-0.53
740850.6	991987.8	7860	7.93	-0.59
740852.5	991978.1	7850	8.09	-0.24
740854.4	991968.3	7840	8.45	-0.56
740856.4	991958.5	7830	8.30	-0.42
740858.4	991948.7	7820	8.27	-0.55
740860.3	991938.9	7810	8.61	-0.48
740862.3	991929.1	7800	8.18	-0.50
740864.3	991919.3	7790	7.97	-0.22
740866.2	991909.4	7780	8.21	-0.42
740868.1	991899.6	7770	8.42	-0.44
740870.1	991889.8	7760	8.64	-0.02
740872.1	991880	7750	8.64	-0.55
740874	991870.2	7740	8.64	-0.52
740876	991860.4	7730	8.48	-0.52
740877.9	991850.6	7720	8.15	-0.04
740879.9	991840.8	7710	8.00	-0.26
740881.8	991830.9	7700	7.97	-0.03
740883.8	991821.1	7690	7.75	-0.05
740885.8	991811.3	7680	7.54	-0.48
740887.6	991801.5	7670	7.39	-0.47
740889.6	991791.7	7660	7.66	-0.38
740891.6	991781.9	7650	7.23	-0.16
740893.4	991772.2	7640	7.42	-0.28
740895.4	991762.4	7630	7.29	-0.26
740897.4	991752.6	7620	7.17	-0.36
740899.3	991742.8	7610	7.39	-0.39
740901.3	991732.9	7600	7.20	-0.23
740903.3	991723.1	7590	6.87	-0.01
740905.2	991713.3	7580	7.11	-0.48
740907.2	991703.5	7570	7.17	-0.47
740909.1	991693.7	7560	6.90	-0.31
740911.1	991683.9	7550	6.99	-0.30
740943.9	991634.3	7490	7.87	-0.52
740942.1	991644.1	7500	7.84	0.00
740940.4	991654	7510	7.63	-0.52
740938.7	991663.9	7520	7.63	-0.41
740936.9	991673.6	7530	7.35	-0.48
740935.2	991683.5	7540	7.66	-0.50
740933.5	991693.4	7550	7.45	-0.48
740931.8	991703.2	7560	7.29	-0.19
740930	991713.1	7570	6.90	-0.47
740928.3	991722.9	7580	7.11	-0.38
740926.6	991732.8	7590	7.32	-0.24
740924.8	991742.6	7600	6.65	-0.28

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740923.1	991752.4	7610	6.81	-0.16	740834.5	992254.7	8120	11.17	-0.53
740921.3	991762.3	7620	7.11	-0.45	740832.8	992264.5	8130	11.69	-0.18
740919.6	991772.1	7630	7.11	-0.17	740831	992274.4	8140	11.32	-0.12
740917.9	991782	7640	7.35	-0.18	740829.3	992284.3	8150	11.26	-0.49
740916.1	991791.9	7650	7.08	-0.37	740827.6	992294.1	8160	11.47	-0.50
740914.4	991801.7	7660	7.26	-0.53	740825.8	992303.9	8170	10.44	-0.60
740912.6	991811.6	7670	7.32	-0.44	740824.1	992313.8	8180	10.50	-0.51
740910.9	991821.4	7680	7.29	-0.36	740822.4	992323.6	8190	10.71	-0.47
740909.2	991831.2	7690	7.23	-0.57	740820.6	992333.4	8200	10.04	-0.58
740907.4	991841.1	7700	7.42	-0.33	740818.9	992343.3	8210	10.31	-0.57
740905.7	991850.9	7710	7.45	-0.41	740817.1	992353.2	8220	10.31	-0.05
740904	991860.8	7720	7.32	-0.03	740815.4	992363	8230	10.04	-0.56
740902.3	991870.6	7730	7.32	-0.42	740813.7	992372.9	8240	10.41	-0.30
740900.5	991880.5	7740	7.60	-0.51	740811.9	992382.8	8250	10.59	-0.04
740898.8	991890.3	7750	7.75	-0.55	740810.2	992392.5	8260	10.38	0.00
740897	991900.1	7760	7.84	-0.57	740808.4	992402.4	8270	10.99	-0.57
740895.3	991910	7770	8.21	-0.42	740806.8	992412.3	8280	10.62	-0.54
740893.6	991919.9	7780	7.90	-0.47	740805	992422.1	8290	10.96	-0.53
740891.8	991929.7	7790	7.81	-0.46	740803.3	992431.9	8300	11.23	-0.49
740890	991939.6	7800	7.63	-0.44	740801.4	992441.8	8310	11.26	-0.53
740888.4	991949.4	7810	7.84	-0.01	740799.8	992451.7	8320	10.80	-0.08
740886.6	991959.2	7820	7.72	-0.45	740798.1	992461.4	8330	11.02	-0.06
740884.9	991969.1	7830	7.35	-0.59	740796.3	992471.3	8340	11.32	-0.54
740883.1	991978.9	7840	7.78	-0.32	740794.6	992481.2	8350	11.38	-0.02
740881.4	991988.8	7850	7.57	-0.36	740792.8	992491	8360	11.32	-0.04
740879.7	991998.7	7860	7.75	-0.39	740791.1	992500.9	8370	11.17	-0.11
740877.9	992008.5	7870	7.84	-0.57	740789.4	992510.8	8380	11.26	-0.43
740876.1	992018.4	7880	8.00	-0.59	740787.6	992520.6	8390	10.99	-0.55
740874.5	992028.3	7890	8.06	-0.58	740785.8	992530.5	8400	11.35	-0.51
740872.8	992038	7900	8.21	-0.56	740784.2	992540.3	8410	11.14	-0.51
740871	992047.9	7910	7.66	-0.07	740782.4	992550.1	8420	10.68	-0.35
740869.2	992057.8	7920	8.09	-0.13	740780.6	992560	8430	10.89	-0.08
740867.4	992067.6	7930	8.45	-0.03	740778.9	992569.8	8440	10.77	-0.17
740865.8	992077.4	7940	7.90	-0.07	740777.3	992579.7	8450	10.59	-0.08
740864	992087.3	7950	7.75	-0.21	740775.4	992589.6	8460	10.47	-0.58
740862.3	992097.2	7960	7.60	-0.38	740773.7	992599.4	8470	10.77	-0.47
740860.5	992106.9	7970	7.93	-0.56	740771.9	992609.2	8480	11.08	-0.48
740858.9	992116.8	7980	7.84	-0.47	740770.3	992619.1	8490	11.02	-0.51
740857.1	992126.7	7990	7.63	-0.47	740768.6	992628.9	8500	11.14	-0.50
740855.3	992136.5	8000	7.75	-0.36	740766.8	992638.8	8510	11.14	-0.44
740853.6	992146.4	8010	7.57	-0.24	740810.8	992640.9	8510	11.32	-0.21
740851.9	992156.3	8020	7.66	-0.19	740812.4	992631	8500	11.14	-0.27
740850.1	992166.1	8030	8.00	-0.17	740814.1	992621.3	8490	11.54	-0.21
740848.4	992175.9	8040	8.58	-0.35	740815.9	992611.4	8480	10.77	-0.17
740846.6	992185.8	8050	8.54	-0.30	740817.6	992601.6	8470	11.08	-0.16
740844.9	992195.6	8060	8.76	-0.38	740819.3	992591.7	8460	11.72	-0.14
740843.2	992205.4	8070	9.70	-0.48	740821.1	992581.8	8450	11.35	-0.26
740841.4	992215.3	8080	10.53	-0.40	740822.8	992571.9	8440	10.96	-0.39
740839.7	992225.2	8090	11.26	-0.49	740824.6	992562.1	8430	11.32	-0.12
740837.9	992235	8100	11.41	-0.55	740826.3	992552.3	8420	11.20	-0.31
740836.3	992244.8	8110	11.08	-0.39	740828	992542.5	8410	11.41	-0.39

Easting	Northing	Station	Conduct.	In-Phase
740829.8	992532.6	8400	11.51	-0.11
740831.5	992522.8	8390	11.60	-0.28
740833.2	992512.9	8380	11.11	-0.32
740834.9	992503	8370	11.17	-0.25
740836.8	992493.2	8360	11.23	-0.19
740838.5	992483.3	8350	11.32	-0.32
740840.3	992473.6	8340	11.23	-0.17
740841.9	992463.7	8330	10.99	-0.43
740843.6	992453.8	8320	10.89	-0.33
740845.4	992443.9	8310	11.14	-0.28
740847.2	992434.1	8300	11.17	-0.29
740848.8	992424.3	8290	10.41	-0.33
740850.6	992414.4	8280	10.62	-0.14
740852.3	992404.6	8270	10.41	-0.40
740854.1	992394.8	8260	10.56	-0.24
740855.8	992384.9	8250	10.83	-0.14
740857.5	992375	8240	10.99	-0.15
740859.3	992365.2	8230	11.05	-0.12
740861.1	992355.3	8220	10.71	-0.33
740862.8	992345.4	8210	11.32	-0.29
740864.4	992335.7	8200	11.23	-0.21
740866.3	992325.8	8190	11.05	-0.38
740868	992315.9	8180	11.57	-0.27
740869.8	992306.1	8170	11.11	-0.33
740871.4	992296.3	8160	11.41	-0.30
740873.2	992286.4	8150	11.32	-0.21
740874.9	992276.5	8140	11.17	-0.25
740876.7	992266.7	8130	11.20	-0.47
740878.3	992256.9	8120	10.71	-0.45
740880.1	992247	8110	10.47	-0.29
740881.9	992237.2	8100	10.22	-0.20
740883.6	992227.3	8090	9.80	-0.10
740885.3	992217.4	8080	9.37	-0.26
740887.1	992207.6	8070	8.85	-0.13
740888.8	992197.7	8060	8.67	-0.16
740890.6	992187.9	8050	8.03	-0.10
740892.3	992178.1	8040	8.36	-0.17
740894	992168.3	8030	7.87	-0.45
740895.8	992158.4	8020	7.72	-0.19
740897.5	992148.5	8010	8.09	-0.12
740899.3	992138.6	8000	7.87	-0.20
740900.9	992128.8	7990	7.84	-0.23
740902.7	992119	7980	7.84	-0.44
740904.4	992109.2	7970	7.84	-0.15
740906.2	992099.3	7960	7.51	-0.28
740907.9	992089.4	7950	7.32	-0.29
740909.6	992079.6	7940	7.69	-0.11
740911.4	992069.7	7930	7.20	-0.48
740913.1	992059.9	7920	7.42	-0.17
740914.9	992050	7910	7.39	-0.24
740916.6	992040.3	7900	7.66	-0.19

Easting	Northing	Station	Conduct.	In-Phase
740918.3	992030.4	7890	7.54	-0.25
740920.1	992020.5	7880	7.81	-0.32
740921.9	992010.6	7870	7.93	-0.31
740923.5	992000.8	7860	7.93	-0.32
740925.3	991990.9	7850	7.48	-0.22
740927.1	991981.1	7840	7.60	-0.24
740928.8	991971.3	7830	7.48	-0.28
740930.4	991961.4	7820	7.20	-0.12
740932.2	991951.6	7810	7.60	-0.12
740933.9	991941.7	7800	7.57	-0.20
740935.8	991931.9	7790	7.54	-0.48
740937.4	991922	7780	7.54	-0.26
740939.1	991912.1	7770	7.60	-0.26
740940.9	991902.4	7760	7.66	-0.14
740942.6	991892.5	7750	7.69	-0.19
740944.4	991882.6	7740	7.66	-0.24
740946.1	991872.8	7730	7.45	-0.16
740947.9	991862.9	7720	7.32	-0.15
740949.6	991853.1	7710	6.96	-0.17
740951.4	991843.2	7700	7.17	-0.47
740953	991833.4	7690	7.29	-0.18
740954.8	991823.6	7680	6.59	-0.20
740956.6	991813.7	7670	6.96	-0.28
740958.3	991803.9	7660	7.02	-0.13
740959.9	991794	7650	7.02	-0.22
740961.8	991784.1	7640	7.05	-0.25
740963.5	991774.3	7630	6.77	-0.26
740965.3	991764.4	7620	6.93	-0.19
740966.9	991754.6	7610	7.08	-0.49
740968.6	991744.8	7600	7.02	-0.16
740970.4	991734.9	7590	7.20	-0.09
740972.2	991725.1	7580	7.17	-0.40
740973.9	991715.2	7570	7.42	-0.46
740975.6	991705.3	7560	7.51	-0.47
740977.4	991695.4	7550	7.39	-0.47
740979.1	991685.7	7540	7.81	-0.48
740980.9	991675.9	7530	7.81	-0.43
740982.6	991666	7520	7.66	-0.58
740984.3	991656.1	7510	7.78	-0.50
740986.1	991646.3	7500	7.97	0.00
740987.8	991636.4	7490	8.03	-0.45
741031.6	991638.6	7490	8.54	-0.42
741030	991648.5	7500	8.00	-0.28
741028.3	991658.4	7510	8.00	-0.29
741026.4	991668.2	7520	7.78	-0.51
741024.7	991678.1	7530	7.84	-0.39
741022.9	991687.9	7540	7.54	-0.52
741021.3	991697.8	7550	7.51	-0.46
741019.5	991707.7	7560	7.63	-0.47
741017.8	991717.4	7570	7.42	-0.41
741016	991727.3	7580	7.63	-0.52

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
741014.3	991737.1	7590	7.35	-0.25	740925.8	992239.4	8100	8.94	-0.47
741012.6	991747	7600	7.57	-0.48	740924	992249.3	8110	9.19	-0.50
741010.8	991756.9	7610	7.20	-0.25	740922.3	992259.1	8120	9.77	-0.43
741009.1	991766.7	7620	7.63	-0.24	740920.5	992269	8130	10.13	-0.23
741007.4	991776.6	7630	6.77	-0.20	740918.8	992278.8	8140	10.31	-0.18
741005.6	991786.4	7640	7.23	-0.24	740917.1	992288.6	8150	10.74	-0.16
741003.9	991796.2	7650	7.32	-0.33	740915.3	992298.4	8160	10.96	-0.29
741002.1	991806.1	7660	7.08	-0.39	740913.6	992308.3	8170	11.02	-0.25
741000.4	991815.9	7670	7.26	-0.43	740911.8	992318.2	8180	10.96	-0.33
740998.7	991825.8	7680	7.51	-0.32	740910.1	992328.1	8190	10.74	-0.29
740996.9	991835.7	7690	7.32	-0.41	740908.4	992337.9	8200	10.62	-0.56
740995.2	991845.5	7700	7.26	-0.36	740906.6	992347.8	8210	10.65	-0.43
740993.4	991855.3	7710	7.26	-0.33	740904.9	992357.5	8220	10.62	-0.36
740991.8	991865.1	7720	7.29	-0.26	740903.2	992367.4	8230	10.22	-0.28
740990	991875	7730	7.54	-0.41	740901.4	992377.3	8240	10.28	-0.26
740988.3	991884.9	7740	7.66	-0.29	740899.7	992387.1	8250	10.25	-0.16
740986.5	991894.8	7750	7.69	-0.34	740897.9	992397	8260	9.77	-0.14
740984.8	991904.6	7760	7.81	-0.27	740896.2	992406.8	8270	10.10	-0.15
740983.1	991914.4	7770	7.72	-0.38	740894.5	992416.7	8280	9.86	-0.31
740981.3	991924.3	7780	7.60	-0.40	740892.8	992426.6	8290	10.01	-0.28
740979.6	991934.1	7790	7.26	-0.26	740891	992436.3	8300	10.10	-0.20
740977.9	991943.9	7800	7.17	-0.30	740889.3	992446.2	8310	10.16	-0.33
740976.1	991953.8	7810	7.51	-0.28	740887.6	992456.1	8320	10.56	-0.40
740974.4	991963.7	7820	7.57	-0.32	740885.8	992465.9	8330	10.35	-0.32
740972.6	991973.5	7830	7.69	-0.47	740884.1	992475.8	8340	10.35	-0.36
740970.8	991983.4	7840	7.90	-0.47	740882.3	992485.6	8350	10.53	-0.28
740969.2	991993.3	7850	7.48	-0.58	740880.6	992495.5	8360	11.08	-0.22
740967.4	992003	7860	8.09	-0.48	740878.9	992505.3	8370	10.89	-0.35
740965.7	992012.9	7870	7.66	-0.36	740877.1	992515.1	8380	10.96	-0.20
740963.9	992022.8	7880	7.42	-0.39	740875.4	992525	8390	11.14	-0.29
740962.3	992032.6	7890	7.42	-0.35	740873.7	992534.9	8400	11.05	-0.27
740960.5	992042.4	7900	7.14	-0.21	740871.9	992544.7	8410	11.29	-0.34
740958.7	992052.3	7910	7.42	-0.19	740870.2	992554.6	8420	11.35	-0.42
740956.9	992062.2	7920	7.45	-0.32	740868.4	992564.4	8430	10.93	-0.43
740955.3	992071.9	7930	7.54	-0.21	740866.7	992574.2	8440	11.29	-0.37
740953.6	992081.8	7940	7.20	-0.17	740865	992584.1	8450	11.02	-0.36
740951.8	992091.7	7950	7.35	-0.30	740863.3	992593.9	8460	11.26	-0.31
740950	992101.5	7960	7.14	-0.35	740861.5	992603.8	8470	11.44	-0.44
740948.3	992111.4	7970	7.66	-0.33	740859.7	992613.6	8480	11.81	-0.38
740946.6	992121.3	7980	7.63	-0.31	740858.1	992623.5	8490	11.11	-0.22
740944.8	992131.1	7990	7.63	-0.37	740856.3	992633.4	8500	11.60	-0.43
740943.1	992140.9	8000	7.57	-0.25	740854.5	992643.3	8510	11.57	-0.41
740941.3	992150.8	8010	8.06	-0.23	740898.4	992645.4	8510	10.86	-0.42
740939.7	992160.6	8020	7.81	-0.38	740900.1	992635.5	8500	10.71	-0.39
740937.9	992170.4	8030	7.84	-0.30	740901.9	992625.6	8490	10.99	-0.58
740936.1	992180.3	8040	8.15	-0.32	740903.6	992615.8	8480	10.93	-0.50
740934.4	992190.2	8050	8.06	-0.25	740905.4	992605.9	8470	11.17	-0.56
740932.7	992200.1	8060	8.09	-0.30	740907.1	992596.1	8460	10.83	-0.04
740930.9	992209.9	8070	8.64	-0.35	740908.8	992586.3	8450	10.77	-0.12
740929.2	992219.7	8080	8.51	-0.37	740910.6	992576.4	8440	10.83	-0.01
740927.4	992229.5	8090	8.94	-0.28	740912.4	992566.6	8430	10.59	-0.06

Easting	Northing	Station	Conduct.	In-Phase
740914.1	992556.7	8420	10.83	-0.05
740915.8	992546.8	8410	10.71	-0.57
740917.6	992537	8400	10.71	0.00
740919.3	992527.1	8390	10.31	-0.47
740921.1	992517.4	8380	10.31	-0.56
740922.7	992507.5	8370	9.95	-0.13
740924.4	992497.6	8360	9.80	0.00
740926.3	992487.8	8350	9.70	-0.46
740928	992477.9	8340	9.67	-0.06
740929.6	992468.1	8330	9.34	-0.05
740931.4	992458.2	8320	9.52	-0.56
740933.2	992448.4	8310	9.58	-0.07
740934.9	992438.6	8300	9.49	-0.54
740936.6	992428.7	8290	9.49	-0.04
740938.4	992418.8	8280	9.25	-0.24
740940.1	992409	8270	9.37	-0.19
740941.9	992399.1	8260	9.58	-0.56
740943.6	992389.3	8250	10.19	-0.45
740945.3	992379.4	8240	10.16	-0.34
740947.1	992369.6	8230	10.31	-0.11
740948.8	992359.8	8220	10.83	-0.50
740950.6	992349.9	8210	11.11	-0.22
740952.3	992340	8200	11.17	-0.40
740954	992330.2	8190	11.02	-0.21
740955.8	992320.3	8180	10.80	-0.03
740957.5	992310.4	8170	10.93	-0.07
740959.2	992300.7	8160	10.41	-0.05
740960.9	992290.8	8150	10.07	0.00
740962.7	992280.9	8140	10.22	-0.59
740964.4	992271.1	8130	9.19	-0.21
740966.2	992261.3	8120	9.43	-0.55
740967.9	992251.4	8110	9.03	-0.52
740969.6	992241.5	8100	8.73	-0.42
740971.4	992231.8	8090	8.76	-0.07
740973.1	992221.9	8080	8.33	-0.55
740974.8	992212	8070	8.24	-0.31
740976.6	992202.2	8060	8.18	-0.19
740978.3	992192.3	8050	7.90	-0.59
740980.1	992182.4	8040	7.97	-0.45
740981.8	992172.6	8030	7.90	-0.14
740983.5	992162.8	8020	7.97	-0.45
740985.3	992152.9	8010	7.84	-0.05
740987	992143.1	8000	7.93	-0.17
740988.7	992133.3	7990	7.97	-0.13
740990.4	992123.4	7980	8.00	-0.04
740992.2	992113.5	7970	7.97	-0.50
740994	992103.7	7960	7.54	-0.59
740995.8	992093.8	7950	7.48	-0.55
740997.4	992084	7940	7.63	-0.01
740999.1	992074.2	7930	7.14	-0.40
741000.9	992064.3	7920	7.75	-0.58
741002.7	992054.4	7910	7.69	-0.34
741004.3	992044.6	7900	7.17	-0.17
741006.1	992034.8	7890	7.78	-0.02
741007.9	992024.9	7880	6.93	-0.04
741009.6	992015.1	7870	7.45	-0.14
741011.3	992005.3	7860	7.97	-0.09
741013	991995.4	7850	6.99	-0.13
741014.8	991985.5	7840	8.67	-0.49
741016.6	991975.7	7830	7.90	-0.18
741018.3	991965.8	7820	7.87	-0.24
741020	991955.9	7810	7.93	-0.02
741021.7	991946.2	7800	7.54	-0.54
741023.5	991936.3	7790	7.39	-0.54
741025.3	991926.4	7780	7.63	-0.58
741026.9	991916.6	7770	7.81	-0.02
741028.7	991906.7	7760	7.17	-0.11
741030.4	991896.9	7750	7.81	-0.60
741032.2	991887	7740	7.45	-0.17
741033.9	991877.1	7730	7.60	-0.05
741035.6	991867.4	7720	7.32	-0.53
741037.4	991857.5	7710	7.23	-0.03
741039.1	991847.6	7700	7.29	-0.10
741040.8	991837.8	7690	7.20	-0.51
741042.6	991827.9	7680	7.20	-0.10
741044.3	991818.1	7670	7.26	-0.02
741046.1	991808.2	7660	7.17	-0.04
741047.8	991798.4	7650	7.29	-0.58
741049.5	991788.6	7640	7.29	-0.01
741051.3	991778.7	7630	7.39	-0.15
741053	991768.9	7620	7.60	-0.04
741054.8	991759	7610	7.51	-0.58
741056.4	991749.1	7600	7.54	-0.21
741058.2	991739.3	7590	7.48	-0.22
741059.9	991729.5	7580	7.42	-0.20
741061.7	991719.6	7570	7.32	-0.14
741063.4	991709.8	7560	7.57	-0.06
741065.1	991699.9	7550	[illegible]	-0.06
741066.9	991690.1	7540	[illegible]	-0.01
741068.6	991680.2	7530	7.54	-0.02
741070.4	991670.4	7520	7.69	-0.58
741072.1	991660.5	7510	7.32	-0.16
741073.8	991650.7	7500	7.75	-0.09
741075.6	991640.9	7490	7.63	-0.11
740964.1	991645.2	7500	8.00	-0.65
740965.8	991635.4	7490	8.21	-0.22
741009.8	991637.6	7490	8.27	-0.45
741007.9	991647.4	7500	8.27	-0.35
741007.9	991647.4	7500	8.27	-0.35
741051.9	991649.6	7500	7.72	-0.46
741053.7	991639.7	7490	7.84	-0.46
741082.2	991656.6	7500	8.27	-0.28

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
741080.8	991666.5	7510	7.90	-0.21	741009.8	992171.6	8020	7.72	-0.02
741079.4	991676.4	7520	7.72	-0.18	741008.4	992181.4	8030	8.03	-0.06
741078	991686.3	7530	7.93	-0.14	741007	992191.3	8040	7.90	-0.57
741076.6	991696.2	7540	7.97	-0.05	741005.6	992201.2	8050	7.97	-0.59
741075.2	991706.1	7550	7.97	-0.01	741004.3	992211.1	8060	8.15	-0.55
741073.8	991716	7560	7.75	-0.19	741002.9	992221.1	8070	8.45	-0.43
741072.4	991725.9	7570	7.75	-0.20	741001.4	992230.9	8080	8.39	-0.08
741071	991735.8	7580	7.81	-0.06	741000.1	992240.9	8090	8.64	-0.04
741069.6	991745.7	7590	7.54	0.00	740998.7	992250.8	8100	8.79	-0.01
741068.3	991755.6	7600	7.32	-0.15	740997.3	992260.6	8110	9.06	-0.01
741066.9	991765.5	7610	7.45	-0.16	740995.9	992270.6	8120	8.91	-0.07
741065.4	991775.4	7620	7.20	-0.52	740994.5	992280.4	8130	9.19	-0.13
741064.1	991785.3	7630	7.45	-0.42	740993.1	992290.4	8140	9.86	-0.22
741062.7	991795.3	7640	7.35	-0.53	740991.7	992300.3	8150	9.80	-0.02
741061.3	991805.1	7650	7.48	0.00	740990.3	992310.1	8160	10.41	0.00
741059.9	991815	7660	7.42	-0.03	740988.9	992320.1	8170	10.53	-0.14
741058.5	991824.9	7670	7.20	-0.39	740987.5	992330	8180	10.50	-0.54
741057.1	991834.9	7680	7.17	-0.25	740986.1	992339.9	8190	11.08	-0.02
741055.7	991844.7	7690	7.02	-0.21	740984.8	992349.8	8200	10.59	-0.15
741054.3	991854.7	7700	7.29	-0.10	740983.4	992359.6	8210	10.80	-0.21
741053	991864.5	7710	7.26	-0.52	740981.9	992369.6	8220	10.65	-0.06
741051.5	991874.4	7720	6.87	-0.24	740980.6	992379.5	8230	10.28	-0.05
741050.1	991884.4	7730	7.54	-0.19	740979.3	992389.4	8240	10.25	-0.16
741048.8	991894.3	7740	7.54	-0.11	740977.8	992399.3	8250	10.25	-0.40
741047.4	991904.2	7750	7.69	-0.58	740976.4	992409.3	8260	10.04	-0.05
741045.9	991914.1	7760	7.69	0.00	740975	992419.1	8270	9.64	-0.07
741044.6	991923.9	7770	7.26	-0.06	740973.7	992429.1	8280	9.77	-0.05
741043.3	991933.9	7780	7.63	-0.58	740972.2	992438.9	8290	9.89	-0.35
741041.8	991943.7	7790	7.54	-0.48	740970.8	992448.8	8300	10.04	0.00
741040.4	991953.7	7800	7.51	-0.05	740969.4	992458.8	8310	10.28	-0.03
741039	991963.6	7810	7.66	-0.58	740968	992468.6	8320	10.22	0.00
741037.7	991973.4	7820	7.57	0.00	740966.6	992478.5	8330	10.19	-0.01
741036.2	991983.4	7830	7.51	-0.58	740965.3	992488.4	8340	10.22	-0.07
741034.8	991993.3	7840	7.72	-0.56	740963.9	992498.3	8350	10.25	-0.15
741033.5	992003.2	7850	8.27	-0.45	740962.4	992508.3	8360	9.95	-0.09
741032	992013.1	7860	7.66	-0.02	740961.1	992518.1	8370	9.89	-0.39
741030.7	992022.9	7870	7.87	-0.56	740959.8	992528.1	8380	9.92	-0.56
741029.3	992032.9	7880	7.57	-0.54	740958.3	992537.9	8390	10.41	-0.57
741027.9	992042.8	7890	7.84	-0.53	740956.9	992547.8	8400	10.41	-0.14
741026.5	992052.7	7900	8.67	-0.46	740955.6	992557.8	8410	10.65	-0.31
741025.1	992062.6	7910	7.54	-0.46	740954.2	992567.6	8420	10.71	-0.26
741023.8	992072.4	7920	7.81	-0.53	740952.7	992577.5	8430	10.80	-0.20
741022.4	992082.4	7930	6.13	-0.44	740951.3	992587.5	8440	11.02	-0.12
741020.9	992092.3	7940	7.14	-0.41	740950	992597.3	8450	10.77	-0.59
741019.6	992102.2	7950	7.48	-0.56	740948.5	992607.3	8460	10.99	-0.10
741018.2	992112.1	7960	7.63	-0.53	740947.1	992617.2	8470	11.20	-0.09
741016.7	992122.1	7970	8.15	-0.41	740945.8	992627.1	8480	11.11	-0.59
741015.4	992131.9	7980	8.24	-0.01	740944.4	992637	8490	10.86	-0.20
741014	992141.9	7990	8.18	-0.03	740943	992646.8	8500	11.23	-0.57
741012.6	992151.7	8000	8.39	-0.58	740941.6	992656.8	8510	11.23	-0.51
741011.2	992161.6	8010	8.27	-0.13	740985.6	992657.4	8510	11.72	-0.33

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
740986.9	992647.5	8500	11.35	-0.23	741057.9	992142.4	7990	8.12	-0.25
740988.3	992637.6	8490	11.29	-0.31	741059.4	992132.5	7980	8.15	-0.28
740989.7	992627.6	8480	10.96	-0.26	741060.7	992122.7	7970	8.33	-0.29
740991.1	992617.8	8470	10.80	-0.30	741062.1	992112.7	7960	8.15	-0.23
740992.5	992607.9	8460	10.93	-0.26	741063.4	992102.9	7950	7.69	-0.34
740993.9	992597.9	8450	10.65	-0.26	741064.9	992092.9	7940	8.12	-0.22
740995.3	992588.1	8440	10.22	-0.30	741066.3	992083	7930	7.26	-0.18
740996.7	992578.1	8430	10.35	-0.14	741067.6	992073.1	7920	6.90	-0.07
740998.1	992568.3	8420	9.95	-0.23	741069.1	992063.3	7910	7.75	-0.21
740999.4	992558.3	8410	10.04	-0.22	741070.4	992053.3	7900	6.74	-0.24
741000.9	992548.4	8400	10.04	-0.35	741071.8	992043.4	7890	7.26	-0.36
741002.3	992538.6	8390	10.38	-0.22	741073.2	992033.5	7880	7.75	-0.46
741003.6	992528.6	8380	9.86	-0.21	741074.6	992023.7	7870	7.26	-0.30
741005.1	992518.8	8370	9.98	-0.42	741076	992013.7	7860	7.57	-0.36
741006.4	992508.9	8360	9.49	-0.20	741077.4	992003.8	7850	7.26	-0.30
741007.8	992498.9	8350	9.52	-0.22	741078.8	991993.9	7840	8.76	-0.38
741009.2	992489.1	8340	10.01	-0.24	741080.2	991984	7830	6.68	-0.08
741010.6	992479.1	8330	10.04	-0.28	741081.6	991974.1	7820	7.11	-0.52
741012	992469.2	8320	10.13	-0.25	741082.9	991964.2	7810	6.90	-0.49
741013.4	992459.3	8310	10.44	-0.31	741084.4	991954.3	7800	7.05	-0.06
741014.8	992449.4	8300	9.89	-0.32	741085.8	991944.4	7790	7.26	-0.42
741016.2	992439.6	8290	10.35	-0.24	741087.1	991934.5	7780	7.32	-0.30
741017.6	992429.6	8280	10.44	-0.17	741088.6	991924.6	7770	7.14	-0.02
741018.9	992419.7	8270	10.19	-0.24	741089.9	991914.7	7760	7.72	-0.11
741020.4	992409.9	8260	10.10	-0.28	741091.3	991904.8	7750	7.72	-0.08
741021.8	992399.9	8250	9.98	-0.23	741092.7	991894.9	7740	7.39	-0.16
741023.1	992389.9	8240	10.25	-0.25	741094.1	991885	7730	8.00	-0.20
741024.6	992380.1	8230	10.93	-0.30	741095.5	991875.1	7720	8.42	-0.15
741025.9	992370.2	8220	10.96	-0.25	741096.9	991865.2	7710	7.60	-0.38
741027.3	992360.3	8210	10.71	-0.18	741098.3	991855.3	7700	7.48	-0.21
741028.7	992350.4	8200	10.86	-0.37	741099.7	991845.3	7690	7.69	-0.19
741030.1	992340.4	8190	10.71	-0.24	741101.1	991835.5	7680	7.57	-0.42
741031.5	992330.6	8180	10.59	-0.27	741102.4	991825.5	7670	7.60	-0.31
741032.9	992320.7	8170	10.65	-0.38	741103.9	991815.7	7660	8.03	-0.32
741034.3	992310.8	8160	10.38	-0.33	741105.3	991805.8	7650	7.72	-0.53
741035.7	992300.9	8150	9.98	-0.36	741106.6	991795.8	7640	7.78	-0.24
741037.1	992290.9	8140	8.42	-0.20	741108.1	991786	7630	7.35	-0.52
741038.4	992281.1	8130	9.61	-0.35	741109.4	991776.1	7620	7.84	-0.32
741039.9	992271.2	8120	9.80	-0.19	741110.8	991766.1	7610	7.60	-0.34
741041.3	992261.3	8110	9.55	-0.05	741112.1	991756.3	7600	7.84	-0.43
741042.6	992251.4	8100	9.37	-0.45	741113.6	991746.3	7590	7.60	-0.41
741043.9	992241.4	8090	9.16	-0.31	741115	991736.5	7580	7.81	-0.39
741045.4	992231.6	8080	9.06	-0.33	741116.4	991726.5	7570	7.81	-0.55
741046.8	992221.7	8070	8.64	-0.28	741117.8	991716.6	7560	8.24	-0.44
741048.1	992211.8	8060	8.36	-0.29	741119.2	991706.8	7550	8.24	-0.49
741049.6	992201.9	8050	8.03	-0.36	741120.6	991696.8	7540	8.12	-0.51
741051	992191.9	8040	8.00	-0.45	741121.9	991686.9	7530	8.36	-0.38
741052.3	992182	8030	7.97	-0.22	741123.4	991677.1	7520	8.06	-0.43
741053.7	992172.1	8020	8.03	-0.32	741124.8	991667.1	7510	7.87	-0.48
741055.2	992162.3	8010	7.81	-0.15	741126.1	991657.3	7500	8.76	-0.47
741056.5	992152.4	8000	8.61	-0.20	741127.6	991647.3	7490	7.81	-0.46

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
741171.4	991647.9	7490	8.85	-0.25	741100.5	992153	8000	8.21	-0.14
741170.1	991657.9	7500	8.79	-0.44	741099.1	992162.8	8010	8.36	-0.35
741168.8	991667.7	7510	8.88	-0.53	741097.7	992172.8	8020	8.58	-0.29
741167.3	991677.6	7520	8.58	-0.54	741096.3	992182.7	8030	8.30	-0.37
741165.9	991687.6	7530	8.79	-0.47	741094.9	992192.6	8040	8.18	-0.32
741164.5	991697.4	7540	8.70	-0.54	741093.5	992202.5	8050	8.21	-0.31
741163.1	991707.3	7550	8.48	-0.52	741092.1	992212.4	8060	8.48	-0.30
741161.7	991717.3	7560	8.51	-0.53	741090.8	992222.3	8070	8.70	-0.28
741160.3	991727.1	7570	8.66	-0.43	741089.3	992232.2	8080	8.54	-0.21
741158.9	991737.1	7580	8.70	-0.40	741087.9	992242.1	8090	8.03	-0.38
741157.5	991746.9	7590	8.73	-0.48	741086.6	992252	8100	8.61	-0.37
741156.1	991756.9	7600	8.39	-0.47	741085.1	992261.9	8110	8.39	-0.31
741154.8	991766.8	7610	8.51	-0.46	741083.8	992271.8	8120	9.49	-0.34
741153.3	991776.6	7620	8.42	-0.54	741082.4	992281.7	8130	8.61	-0.64
741151.9	991786.6	7630	8.18	-0.32	741081.1	992291.6	8140	9.49	-0.28
741150.6	991796.5	7640	8.21	-0.45	741079.6	992301.5	8150	9.55	-0.29
741149.3	991806.4	7650	8.15	-0.33	741078.2	992311.4	8160	9.80	-0.38
741147.8	991816.3	7660	8.27	-0.21	741076.8	992321.3	8170	9.86	-0.11
741146.4	991826.1	7670	8.24	-0.28	741075.4	992331.2	8180	9.98	-0.73
741145.1	991836.1	7680	8.18	-0.43	741074	992341.1	8190	10.38	-0.32
741143.6	991846	7690	8.12	-0.20	741072.6	992351	8200	10.56	-0.32
741142.2	991855.9	7700	8.54	-0.27	741071.3	992360.9	8210	10.74	-0.39
741140.8	991865.8	7710	8.39	-0.18	741069.8	992370.8	8220	10.62	-0.52
741139.5	991875.6	7720	8.00	-0.20	741068.4	992380.7	8230	11.38	-0.32
741138	991885.6	7730	6.87	-0.39	741067.1	992390.7	8240	10.59	-0.36
741136.6	991895.5	7740	6.53	-0.52	741065.6	992400.5	8250	11.02	-0.37
741135.3	991905.4	7750	7.69	-0.19	741064.3	992410.4	8260	10.74	-0.36
741133.8	991915.3	7760	6.93	-0.23	741062.9	992420.4	8270	10.71	-0.32
741132.4	991925.3	7770	8.00	-0.24	741061.6	992430.3	8280	10.71	-0.29
741131.1	991935.1	7780	7.81	-0.28	741060.1	992440.1	8290	10.89	-0.32
741129.8	991945.1	7790	7.51	-0.22	741058.8	992450	8300	10.47	-0.37
741128.3	991954.9	7800	7.78	-0.18	741057.4	992459.9	8310	10.53	-0.29
741126.9	991964.8	7810	8.06	-0.38	741056	992469.9	8320	10.53	-0.36
741125.6	991974.8	7820	5.00	-0.36	741054.5	992479.8	8330	10.22	-0.34
741124.1	991984.6	7830	9.77	-0.35	741053.1	992489.7	8340	10.22	-0.13
741122.8	991994.5	7840	7.63	-0.67	741051.8	992499.6	8350	9.34	-0.06
741121.4	992004.5	7850	7.32	-0.48	741050.3	992509.4	8360	10.44	-0.37
741120	992014.3	7860	8.09	-0.24	741048.9	992519.4	8370	10.31	-0.42
741118.5	992024.3	7870	7.97	-0.38	741047.6	992529.3	8380	10.22	-0.20
741117.2	992034.1	7880	7.72	-0.36	741046.3	992539.2	8390	10.25	-0.13
741115.8	992044.1	7890	7.81	-0.23	741044.8	992549.1	8400	10.19	-0.19
741114.3	992053.9	7900	7.90	-0.14	741043.4	992558.9	8410	9.34	-0.15
741113	992063.8	7910	7.60	-0.27	741042.1	992568.9	8420	10.38	-0.41
741111.6	992073.8	7920	8.15	-0.29	741040.6	992578.8	8430	10.31	-0.29
741110.3	992083.6	7930	7.51	-0.37	741039.3	992588.7	8440	10.38	-0.36
741108.8	992093.6	7940	7.90	-0.42	741037.9	992598.6	8450	10.53	-0.23
741107.4	992103.5	7950	7.72	-0.27	741036.5	992608.4	8460	10.74	-0.15
741106.1	992113.3	7960	7.42	-0.38	741035.1	992618.4	8470	10.86	-0.34
741104.6	992123.3	7970	8.36	-0.16	741033.7	992628.3	8480	11.02	-0.19
741103.3	992133.2	7980	7.78	-0.21	741032.3	992638.2	8490	11.14	-0.47
741101.9	992143.1	7990	8.42	-0.18	741030.8	992648.1	8500	10.77	-0.46

Easting	Northing	Station	Conduct.	In-Phase
741029.5	992657.9	8510	10.59	-0.35
741073.4	992658.8	8510	10.50	-0.58
741074.8	992648.8	8500	10.50	-0.62
741076.2	992638.9	8490	10.77	-0.59
741077.6	992629.1	8480	10.38	-0.49
741079	992619.1	8470	10.35	-0.63
741080.4	992609.3	8460	10.74	-0.62
741081.8	992599.3	8450	10.38	-0.62
741083.2	992589.4	8440	10.44	-0.54
741084.6	992579.6	8430	10.44	-0.59
741085.9	992569.6	8420	10.53	-0.62
741087.4	992559.7	8410	10.38	-0.59
741088.8	992549.8	8400	10.13	-0.72
741090.1	992539.9	8390	10.04	-0.36
741091.4	992530	8380	10.13	-0.36
741092.9	992520.1	8370	9.64	-0.25
741094.3	992510.1	8360	9.55	-0.53
741095.6	992500.3	8350	9.70	-0.58
741097.1	992490.4	8340	9.92	-0.55
741098.5	992480.4	8330	10.01	-0.32
741099.9	992470.6	8320	9.95	-0.70
741101.2	992460.6	8310	10.16	-0.56
741102.7	992450.8	8300	10.47	-0.45
741104.1	992440.9	8290	10.28	-0.69
741105.4	992430.9	8280	10.19	-0.68
741106.9	992421.1	8270	10.13	-0.68
741108.3	992411.1	8260	10.16	-0.48
741109.6	992401.3	8250	10.07	-0.73
741110.9	992391.4	8240	9.86	-0.57
741112.4	992381.4	8230	9.49	-0.73
741113.8	992371.6	8220	10.16	-0.41
741115.1	992361.6	8210	9.95	-0.51
741116.6	992351.7	8200	9.64	-0.58
741117.9	992341.9	8190	9.77	-0.68
741119.3	992331.9	8180	9.28	-0.47
741120.7	992322.1	8170	8.82	-0.60
741122.2	992312.1	8160	8.88	-0.57
741123.5	992302.2	8150	8.94	-0.59
741124.9	992292.4	8140	8.66	-0.53
741126.4	992282.4	8130	8.82	-0.48
741127.8	992272.5	8120	8.82	-0.33
741129.1	992262.6	8110	8.48	-0.49
741130.4	992252.7	8100	8.30	-0.50
741131.9	992242.9	8090	8.66	-0.54
741133.3	992232.9	8080	8.48	-0.25
741134.6	992222.9	8070	8.24	-0.49
741136.1	992213.1	8060	8.61	-0.59
741137.4	992203.2	8050	8.24	-0.69
741138.8	992193.3	8040	8.24	-0.06
741140.2	992183.4	8030	8.30	-0.49
741141.6	992173.5	8020	8.42	-0.59

Easting	Northing	Station	Conduct.	In-Phase
741143	992163.6	8010	8.24	-0.63
741144.4	992153.7	8000	7.78	-0.75
741145.9	992143.8	7990	7.72	-0.70
741147.2	992133.9	7980	7.66	-0.57
741148.6	992123.9	7970	7.87	-0.59
741149.9	992114.1	7960	7.75	-0.59
741151.4	992104.2	7950	7.97	-0.69
741152.8	992094.3	7940	8.12	-0.20
741154.1	992084.4	7930	8.12	-0.58
741155.6	992074.4	7920	7.93	-0.68
741156.9	992064.5	7910	8.36	-0.69
741158.3	992054.7	7900	8.12	-0.67
741159.7	992044.8	7890	7.66	-0.74
741161.1	992034.9	7880	8.09	-0.75
741162.5	992024.9	7870	7.81	-0.59
741163.9	992015	7860	8.06	-0.54
741165.3	992005.2	7850	8.06	-0.73
741166.7	991995.3	7840	8.61	-0.85
741168.1	991985.3	7830	7.39	-0.43
741169.4	991975.4	7820	9.09	-0.19
741170.9	991965.5	7810	7.84	-0.84
741172.3	991955.7	7800	8.09	-0.77
741173.6	991945.8	7790	8.21	-0.81
741175	991935.8	7780	7.87	-0.77
741176.4	991925.9	7770	7.97	-0.76
741177.8	991916	7760	7.90	-0.59
741179.1	991906.1	7750	7.81	-0.52
741180.6	991896.3	7740	7.78	-0.75
741182	991886.3	7730	8.21	-0.76
741183.3	991876.4	7720	7.84	-0.60
741184.7	991866.5	7710	8.73	-0.80
741186.2	991856.6	7700	8.66	-0.80
741187.5	991846.7	7690	8.58	-0.69
741188.9	991836.8	7680	8.66	-0.86
741190.4	991826.9	7670	7.69	-0.58
741191.8	991817	7660	7.93	-0.71
741193.1	991807.1	7650	8.45	-0.79
741194.4	991797.2	7640	8.94	-0.81
741195.9	991787.3	7630	8.64	-0.95
741197.3	991777.3	7620	9.00	-0.85
741198.6	991767.5	7610	9.25	-0.83
741200.1	991757.6	7600	8.66	-0.86
741201.4	991747.7	7590	9.06	-0.78
741202.8	991737.8	7580	8.82	-0.43
741204.2	991727.8	7570	9.25	-0.45
741205.6	991718	7560	8.91	-0.92
741207	991708.1	7550	8.85	-0.77
741208.4	991698.2	7540	9.03	-0.98
741209.9	991688.3	7530	8.70	-0.77
741211.2	991678.3	7520	9.37	-0.88
741212.6	991668.5	7510	8.85	-0.83

Easting	Northing	Station	Conduct.	In-Phase
741213.9	991658.6	7500	8.76	-0.73
741215.4	991648.6	7490	9.09	-0.90
741253.8	991688.9	7530	9.80	-0.80
741252.4	991698.8	7540	9.67	-0.63
741251	991708.7	7550	9.61	-0.61
741249.6	991718.6	7560	9.70	-0.99
741248.2	991728.5	7570	9.49	-0.87
741246.8	991738.4	7580	9.46	-0.97
741245.4	991748.3	7590	9.37	-0.96
741244	991758.1	7600	9.37	-0.80
741242.6	991768.1	7610	9.34	-0.84
741241.3	991778.1	7620	9.46	-0.74
741239.8	991787.9	7630	9.61	-0.81
741238.4	991797.8	7640	9.12	-0.63
741237.1	991807.8	7650	9.37	-0.83
741235.6	991817.6	7660	9.12	-0.52
741234.3	991827.6	7670	9.12	-0.78
741232.9	991837.4	7680	8.97	-0.87
741231.5	991847.3	7690	8.61	-0.72
741230.1	991857.3	7700	8.33	-0.20
741228.7	991867.1	7710	8.51	-0.72
741228.7	991867.1	7710	8.51	-0.72
741150.8	992421.7	8270	9.64	-0.51
741149.4	992431.6	8280	10.10	-0.55
741148	992441.5	8290	9.77	-0.76
741146.6	992451.4	8300	9.95	-0.87
741145.2	992461.3	8310	9.89	-0.68
741143.8	992471.2	8320	9.70	-0.72
741142.4	992481.1	8330	9.89	-0.67
741141	992490.9	8340	9.89	-0.74
741139.6	992500.9	8350	9.92	-0.64
741138.3	992510.9	8360	9.98	-0.67
741136.8	992520.7	8370	9.77	-0.83
741135.4	992530.6	8380	9.67	-0.49
741134.1	992540.5	8390	9.67	-0.49
741132.6	992550.4	8400	9.09	-0.43
741131.3	992560.4	8410	11.02	-0.48
741129.9	992570.2	8420	10.16	-0.48
741128.6	992580.1	8430	9.64	-0.46
741128.6	992580.1	8430	9.64	-0.46
741194.7	992422.4	8270	9.58	-0.55
741193.3	992432.3	8280	9.77	-0.48
741191.9	992442.2	8290	9.67	-0.43
741190.5	992452.1	8300	9.55	-0.51
741189.1	992462.1	8310	9.89	-0.53
741187.7	992471.9	8320	9.92	-0.56
741186.3	992481.8	8330	9.80	-0.43
741184.9	992491.8	8340	12.27	-0.82
741183.5	992501.6	8350	10.62	-0.26
741182.1	992511.6	8360	10.96	-0.36
741180.8	992521.4	8370	10.28	-0.56

Easting	Northing	Station	Conduct.	In-Phase
741179.4	992531.3	8380	10.01	-0.72
741177.9	992541.3	8390	10.04	-0.60
741176.6	992551.1	8400	9.55	-0.64
741175.3	992561.1	8410	9.58	-0.63
741173.8	992570.9	8420	10.35	-0.84
741172.4	992580.8	8430	13.67	-1.35
741171	992590.8	8440	135.31	-25.23
741169.7	992600.6	8450	-0.31	-18.69
741168.2	992610.6	8460	10.38	-0.64
741166.8	992620.5	8470	10.41	-0.76
741165.5	992630.4	8480	10.31	-0.78
741164	992640.3	8490	-19.50	-14.68
741162.7	992650.1	8500	-6.29	-9.45
741161.3	992660.1	8510	9.31	-0.83
741183.3	992660.3	8510	-17.06	-12.95
741184.6	992650.5	8500	2.14	-0.70
741186	992640.5	8490	-23.53	4.54
741187.4	992630.6	8480	-10.83	-0.47
741188.9	992620.8	8470	14.31	-1.48
741190.2	992610.8	8460	36.80	29.87
741191.6	992600.9	8450	23.44	20.75
741193.1	992591.1	8440	16.78	4.80
741194.4	992581.1	8430	5.13	-0.37
741195.8	992571.3	8420	10.19	-0.77
741197.1	992561.3	8410	9.58	-0.62
741198.6	992551.4	8400	9.83	-0.52
741199.9	992541.5	8390	9.70	-0.46
741201.3	992531.6	8380	10.38	-0.54
741202.8	992521.6	8370	10.71	-0.90
741204.1	992511.8	8360	10.56	-0.68
741205.5	992501.9	8350	9.77	-0.61
741206.9	992492	8340	12.60	-0.94
741208.3	992482.1	8330	-0.06	-0.48
741209.7	992472.1	8320	11.69	-0.58
741211.1	992462.3	8310	9.95	-0.43
741212.5	992452.4	8300	9.95	-0.48
741213.9	992442.5	8290	9.[illegible]	-0.48
741215.3	992432.6	8280	9.[illegible]	-0.72
741215.3	992432.6	8280	9.25	-0.72
741266.4	992225	8070	9.67	-0.71
741265.1	992234.9	8080	9.34	-0.59
741263.6	992244.8	8090	8.97	-0.74
741262.3	992254.7	8100	9.86	-0.70
741260.9	992264.6	8110	9.67	-0.66
741259.6	992274.5	8120	8.91	-0.64
741258.1	992284.4	8130	8.48	-0.50
741256.8	992294.3	8140	8.82	-0.46
741255.4	992304.2	8150	8.39	-0.65
741253.9	992314.1	8160	8.94	-0.64
741252.6	992324	8170	8.39	-0.67
741251.2	992333.9	8180	8.85	-0.60

Easting	Northing	Station	Conduct.	In-Phase
741249.8	992343.8	8190	9.16	-0.61
741248.4	992353.7	8200	8.64	-0.78
741247	992363.6	8210	8.27	-0.58
741245.6	992373.5	8220	8.85	-0.61
741244.1	992383.4	8230	9.28	-0.66
741242.8	992393.4	8240	9.28	-0.60
741241.4	992403.2	8250	9.70	-0.61
741240.1	992413.1	8260	9.37	-0.46
741238.6	992423	8270	9.43	-0.54
741237.3	992432.9	8280	9.64	-0.94
741235.9	992442.9	8290	9.58	-0.56
741234.4	992452.7	8300	9.83	-0.47
741233.1	992462.6	8310	9.89	-0.95
741231.7	992472.5	8320	10.31	-0.94
741230.3	992482.4	8330	9.98	-0.94
741228.9	992492.4	8340	10.74	-0.45
741227.5	992502.2	8350	10.77	-0.59
741226.1	992512.1	8360	10.56	-0.65
741224.7	992522.1	8370	10.62	-0.59
741223.3	992531.9	8380	10.10	-0.56
741221.9	992541.9	8390	9.80	-0.56
741220.6	992551.8	8400	10.80	-0.62
741219.1	992561.6	8410	10.16	-1.00
741217.8	992571.6	8420	9.64	-0.65
741216.4	992581.4	8430	9.19	-0.91
741214.9	992591.4	8440	9.46	-0.47
741213.6	992601.3	8450	8.91	-0.45
741212.2	992611.2	8460	7.42	-0.17
741210.8	992621.1	8470	6.90	-0.14
741209.4	992630.9	8480	9.49	-0.46
741208	992640.9	8490	9.98	-0.38
741206.6	992650.8	8500	11.44	3.65
741205.2	992660.6	8510	5.13	-3.06
741205.2	992660.6	8510	5.13	-3.06
LINE 1080				
740623.9	991655.6	7540	6.50	-0.05
740625.9	991645.8	7530	6.53	-0.70
740628.1	991636.1	7520	6.35	-0.04
740630.1	991626.3	7510	6.32	-0.04
740632.2	991616.5	7500	6.32	-0.73
740634.3	991606.7	7490	6.44	-0.63
740636.3	991596.9	7480	6.26	-0.65
740638.4	991587.1	7470	6.62	-0.55
740640.4	991577.3	7460	6.65	-0.63
740642.6	991567.6	7450	6.74	-0.57
740644.6	991557.8	7440	6.41	-0.03
740646.7	991547.9	7430	6.20	-0.68
740648.8	991538.2	7420	6.56	-0.72
740650.9	991528.4	7410	6.50	-0.72
740653	991518.6	7400	6.59	-0.04
740655.1	991508.8	7390	6.38	-0.63

Easting	Northing	Station	Conduct.	In-Phase
740657.1	991499.1	7380	6.65	-0.59
740659.3	991489.3	7370	6.65	-0.64
740661.3	991479.5	7360	6.68	-0.70
740663.4	991469.7	7350	6.56	-0.65
740665.5	991459.9	7340	6.87	-0.67
740667.6	991450.2	7330	6.74	-0.69
740669.6	991440.4	7320	7.02	-0.72
740671.7	991430.6	7310	7.08	0.00
740673.7	991420.8	7300	6.68	-0.61
740675.8	991411.1	7290	7.14	-0.65
740677.9	991401.3	7280	7.11	-0.70
740679.9	991391.5	7270	7.20	-0.69
740682.1	991381.7	7260	7.32	-0.67
740684.1	991371.9	7250	7.45	-0.72
740686.2	991362.1	7240	7.11	-0.54
740688.3	991352.4	7230	7.39	-0.73
740690.4	991342.6	7220	7.26	-0.62
740692.5	991332.8	7210	7.32	-0.59
740694.6	991323	7200	6.96	-0.62
740696.6	991313.2	7190	7.42	-0.65
740698.8	991303.4	7180	7.35	-0.71
740700.8	991293.6	7170	7.63	-0.67
740702.9	991283.9	7160	7.51	-0.59
740705	991274.1	7150	6.93	-0.01
740707.1	991264.3	7140	7.39	-0.05
740709.1	991254.5	7130	6.56	-0.73
740711.3	991244.7	7120	6.99	-0.35
740713.2	991235	7110	7.08	-0.43
740715.3	991225.3	7100	5.71	-0.24
740717.4	991215.4	7090	7.08	0.85
740719.4	991205.6	7080	6.35	-0.15
740721.6	991195.9	7070	6.23	-0.18
740723.6	991186.1	7060	5.98	-0.16
740725.8	991176.3	7050	5.92	-0.73
740727.8	991166.5	7040	6.07	-0.04
740729.9	991156.8	7030	6.32	-0.03
740732	991146.9	7020	5.31	-0.52
740734.1	991137.2	7010	5.80	-0.73
740736.1	991127.4	7000	6.47	-0.73
LINE 1100				
740714.7	991324.4	7200	7.45	-0.71
740712.6	991334.2	7210	7.60	-0.64
740710.5	991344	7220	7.48	-0.71
740708.4	991353.8	7230	7.35	-0.44
740706.4	991363.6	7240	7.66	-0.50
740704.3	991373.4	7250	7.63	-0.67
740702.2	991383.1	7260	7.57	-0.60
740700.1	991392.9	7270	7.35	-0.52
740698	991402.7	7280	7.29	-0.55
740695.9	991412.5	7290	7.29	-0.65
740693.9	991422.3	7300	7.05	-0.01

Easting	Northing	Station	Conduct.	In-Phase
740691.9	991432.1	7310	7.20	-0.53
740689.8	991441.8	7320	7.05	-0.52
740687.7	991451.6	7330	6.96	-0.57
740685.6	991461.3	7340	6.77	-0.56
740683.6	991471.1	7350	6.62	-0.59
740681.4	991480.9	7360	6.59	-0.58
740679.4	991490.7	7370	6.53	-0.58
740677.3	991500.5	7380	6.35	-0.55
740675.2	991510.3	7390	6.35	-0.60
740673.1	991520.1	7400	6.59	-0.70
740671	991529.8	7410	6.68	-0.74
740668.9	991539.6	7420	6.23	-0.52
740666.9	991549.4	7430	6.29	-0.58
740664.8	991559.2	7440	6.47	-0.59
740662.7	991568.9	7450	6.26	-0.63
740660.6	991578.8	7460	6.32	-0.66
740658.5	991588.6	7470	6.50	-0.61
740656.4	991598.3	7480	6.29	-0.72
740654.4	991608.1	7490	6.56	-0.69
740652.4	991617.9	7500	6.26	-0.62
740650.3	991627.7	7510	6.23	-0.69
740648.2	991637.5	7520	6.10	1.11
LINE 1120				
740776.4	991130.3	7000	5.65	-0.10
740774.3	991140.1	7010	5.68	-0.13
740772.3	991149.9	7020	6.07	0.00
740770.1	991159.7	7030	5.98	-0.73
740768.1	991169.4	7040	6.29	-0.64
740766	991179.3	7050	6.41	-0.58
740763.9	991189.1	7060	6.56	-0.49
740761.8	991198.8	7070	6.50	-0.51
740759.8	991208.5	7080	6.87	-0.56
740757.6	991218.3	7090	6.99	-0.62
740755.7	991228.1	7100	6.53	-0.66
740753.6	991237.9	7110	7.23	-0.64
740751.5	991247.7	7120	7.72	-0.60
740749.4	991257.4	7130	7.35	-0.58
740747.3	991267.3	7140	7.57	-0.54
740745.3	991277	7150	7.45	-0.60
740743.1	991286.8	7160	7.69	-0.56
740741.1	991296.6	7170	7.57	-0.66
740739	991306.4	7180	7.69	-0.56
740736.9	991316.2	7190	7.69	-0.53
740734.8	991325.9	7200	7.69	-0.64
740732.8	991335.8	7210	7.84	-0.53
740730.6	991345.5	7220	8.12	-0.58
740728.6	991355.3	7230	7.97	-0.01
740726.4	991365.1	7240	7.75	-0.49
740724.4	991374.9	7250	8.15	-0.69
740722.3	991384.6	7260	8.03	-0.52
740720.2	991394.4	7270	7.48	-0.52

Easting	Northing	Station	Conduct.	In-Phase
740718.3	991404.3	7280	7.48	-0.48
740716.2	991413.9	7290	7.39	-0.52
740714.1	991423.7	7300	7.32	-0.59
740712	991433.5	7310	7.32	-0.25
740709.9	991443.3	7320	7.14	-0.56
740707.8	991453.1	7330	7.23	-0.49
740705.8	991462.9	7340	7.08	-0.59
740703.6	991472.6	7350	6.84	-0.49
740701.6	991482.4	7360	6.77	-0.49
740699.5	991492.2	7370	6.68	-0.45
740697.4	991502	7380	6.53	-0.41
740695.3	991511.8	7390	6.65	-0.41
740693.3	991521.6	7400	6.53	-0.31
740691.1	991531.4	7410	6.56	-0.56
740689.1	991541.1	7420	6.56	-0.54
740686.9	991550.9	7430	6.38	-0.41
740684.9	991560.7	7440	6.23	-0.44
740682.8	991570.5	7450	6.47	-0.42
740680.7	991580.3	7460	6.41	-0.41
740678.8	991590.1	7470	6.47	-0.63
740676.6	991599.9	7480	6.29	-0.53
740674.6	991609.6	7490	6.44	-0.48
740672.4	991619.4	7500	6.04	-0.50
740670.4	991629.1	7510	6.13	-0.58
740668.3	991638.9	7520	6.20	-0.48
740666.3	991648.7	7530	6.13	-0.57
740664.1	991658.5	7540	6.07	-0.60
740796.5	991131.9	7000	6.32	-0.03
740794.4	991141.6	7010	6.62	-0.22
740792.3	991151.4	7020	6.59	-0.36
740790.3	991161.2	7030	6.90	-0.25
740788.2	991171	7040	6.93	-0.27
740786.1	991180.8	7050	7.26	-0.47
740784	991190.4	7060	7.20	-0.45
740781.9	991200.3	7070	7.51	-0.42
740779.9	991210.1	7080	7.20	-0.46
740777.9	991219.8	7090	7.45	-0.25
740775.8	991229.6	7100	7.45	-0.22
740773.7	991239.4	7110	7.39	-0.32
740771.6	991249.2	7120	7.45	-0.20
740769.5	991259	7130	7.39	-0.20
740767.4	991268.8	7140	7.48	-0.22
740765.4	991278.6	7150	7.48	-0.28
740763.3	991288.3	7160	7.69	-0.16
740761.2	991298.1	7170	7.54	-0.27
740759.1	991307.9	7180	7.75	-0.46
740757	991317.7	7190	8.39	-0.30
740754.9	991327.5	7200	8.09	-0.68
740752.8	991337.3	7210	7.87	-0.54
740750.8	991347.1	7220	5.68	-0.53
740748.7	991356.8	7230	8.33	-0.44

Easting	Northing	Station	Conduct.	In-Phase
740746.6	991366.6	7240	9.67	-0.34
740744.5	991376.4	7250	8.33	-0.34
740742.4	991386.2	7260	8.48	-0.24
740740.4	991396	7270	8.66	-0.18
740738.4	991405.7	7280	7.72	-0.27
740736.3	991415.4	7290	7.84	-0.22
740734.2	991425.3	7300	7.42	-0.25
740732.1	991435	7310	7.48	-0.03
740730	991444.8	7320	7.69	-0.14
740727.9	991454.6	7330	7.51	-0.38
740725.9	991464.4	7340	7.26	-0.32
740723.8	991474.2	7350	7.35	-0.18
740721.7	991483.9	7360	7.14	-0.26
740719.6	991493.8	7370	7.05	-0.25
740717.5	991503.5	7380	7.26	-0.33
740715.4	991513.3	7390	6.87	-0.14
740713.3	991523.1	7400	7.05	-0.22
740711.3	991532.9	7410	6.71	-0.30
740709.2	991542.7	7420	6.50	-0.13
740707.1	991552.4	7430	6.56	-0.47
740705	991562.3	7440	6.26	-0.28
740703	991572.1	7450	6.29	-0.35
740700.9	991581.8	7460	6.59	-0.42
740698.8	991591.6	7470	6.38	-0.27
740696.8	991601.4	7480	6.07	-0.15
740694.7	991611.1	7490	6.20	-0.21
740692.6	991620.9	7500	6.23	-0.34
740690.5	991630.6	7510	6.10	-0.39
740688.4	991640.4	7520	6.23	-0.64
740686.4	991650.3	7530	6.41	-0.25
LINE 1160				
740816.6	991133.4	7000	6.84	-0.07
740814.6	991143.2	7010	6.96	-0.13
740812.4	991152.9	7020	7.48	0.01
740810.4	991162.8	7030	7.29	-0.13
740808.3	991172.4	7040	7.63	-0.56
740806.3	991182.2	7050	7.48	-0.32
740804.1	991192	7060	7.84	-0.04
740802.1	991201.8	7070	7.78	-0.68
740800.1	991211.6	7080	7.66	-0.03
740798	991221.4	7090	7.75	-0.69
740795.9	991231.1	7100	7.63	-0.19
740793.8	991240.9	7110	7.60	-0.02
740791.8	991250.7	7120	7.39	0.04
740789.6	991260.5	7130	7.66	-0.10
740787.6	991270.3	7140	7.54	-0.69
740785.4	991280.1	7150	7.69	-0.04
740783.4	991289.9	7160	7.60	-0.68
740781.3	991299.6	7170	8.12	-0.62
740779.2	991309.4	7180	7.84	-0.68
740777.1	991319.2	7190	8.73	-0.01

Easting	Northing	Station	Conduct.	In-Phase
740775.1	991329	7200	8.39	-0.59
740772.9	991338.8	7210	1.92	-0.14
740770.9	991348.6	7220	-8.64	0.36
740768.8	991358.4	7230	-6.74	-0.60
740766.7	991368.1	7240	11.57	-0.66
740764.8	991377.9	7250	9.40	-0.25
740762.6	991387.6	7260	8.73	-0.22
740760.6	991397.4	7270	8.88	-0.03
740758.5	991407.2	7280	8.42	-0.17
740756.4	991417	7290	8.42	-0.13
740754.3	991426.8	7300	7.81	-0.02
740752.3	991436.6	7310	7.57	0.00
740750.1	991446.3	7320	7.42	-0.12
740748.1	991456.1	7330	7.39	-0.06
740745.9	991465.9	7340	8.03	-0.68
740743.9	991475.7	7350	7.08	-0.30
740741.8	991485.5	7360	7.90	-0.15
740739.7	991495.3	7370	7.05	0.00
740737.6	991505.1	7380	7.14	-0.08
740735.6	991514.8	7390	7.26	-0.04
740733.4	991524.6	7400	7.14	-0.03
740731.4	991534.4	7410	7.08	-0.65
740729.3	991544.2	7420	6.96	-0.09
740727.2	991554	7430	6.77	0.00
740725.2	991563.8	7440	6.50	-0.17
740723.1	991573.6	7450	6.29	-0.21
740721.1	991583.4	7460	6.53	0.04
740719	991593.1	7470	6.47	-0.21
740716.9	991602.8	7480	6.50	-0.06
740714.8	991612.6	7490	6.16	-0.37
740712.7	991622.4	7500	6.41	-0.63
740710.6	991632.2	7510	6.38	-0.05
740708.6	991641.9	7520	6.32	-0.23
740706.4	991651.8	7530	6.23	-0.13
740704.4	991661.5	7540	6.35	-0.15
740744.6	991664.5	7540	7.05	-0.01
740746.7	991654.7	7530	7.54	0.00
740748.8	991644.9	7520	7.39	-0.68
740750.9	991635.1	7510	7.29	0.03
740753	991625.3	7500	7.45	-0.65
740755.1	991615.6	7490	7.35	0.00
740757.1	991605.8	7480	7.66	-0.62
740759.3	991596	7470	7.08	-0.59
740761.3	991586.2	7460	7.29	-0.68
740763.4	991576.4	7450	7.17	0.00
740765.5	991566.6	7440	7.32	-0.62
740767.6	991556.9	7430	7.32	-0.58
740769.6	991547.2	7420	7.32	-0.59
740771.7	991537.4	7410	7.72	-0.56
740773.7	991527.6	7400	7.66	-0.69
740775.8	991517.8	7390	7.66	-0.61

Easting	Northing	Station	Conduct.	In-Phase
740777.9	991508	7380	7.72	-0.59
740779.9	991498.2	7370	7.35	-0.63
740782.1	991488.4	7360	7.57	-0.49
740784.1	991478.6	7350	7.57	-0.52
740786.2	991468.9	7340	7.23	-0.60
740788.3	991459.1	7330	7.35	-0.58
740790.4	991449.3	7320	7.42	-0.52
740792.5	991439.5	7310	7.45	-0.63
740794.6	991429.8	7300	7.57	-0.64
740796.6	991419.9	7290	8.00	-0.60
740798.8	991410.1	7280	7.97	-0.14
740800.8	991400.4	7270	8.21	-0.56
740802.9	991390.6	7260	9.03	-0.63
740805	991380.8	7250	8.91	-0.59
740807.1	991371	7240	9.58	-0.33
740809.1	991361.3	7230	12.02	0.04
740811.1	991351.4	7220	-5.71	-13.39
740813.3	991341.6	7210	6.10	0.02
740815.3	991331.9	7200	-19.65	-0.08
740817.4	991322.2	7190	-11.93	-1.15
740819.4	991312.4	7180	11.96	-0.03
740821.6	991302.6	7170	8.61	-0.51
740823.6	991292.8	7160	9.25	-0.60
740825.7	991283	7150	8.61	-0.69
740827.8	991273.3	7140	8.51	0.03
740829.9	991263.4	7130	8.76	-0.61
740832	991253.7	7120	8.61	-0.62
740834.1	991243.9	7110	8.85	-0.68
740836.1	991234.1	7100	8.61	-0.65
740838.3	991224.3	7090	8.51	0.03
740840.3	991214.5	7080	8.82	-0.02
740842.4	991204.8	7070	8.64	0.00
740844.5	991194.9	7060	8.06	-0.24
740846.6	991185.2	7050	8.09	-0.65
740848.7	991175.4	7040	7.90	0.01
740850.6	991165.6	7030	7.69	0.08
LINE 1240				
740855.7	991334.8	7200	4.49	-0.49
740853.6	991344.6	7210	-16.69	-0.28
740851.5	991354.4	7220	-1.13	-0.16
740849.4	991364.2	7230	11.08	-0.28
740847.3	991373.9	7240	8.70	-0.65
740845.3	991383.8	7250	9.61	-0.66
740843.1	991393.6	7260	8.79	0.01
740841.1	991403.3	7270	9.06	-0.62
740839	991413.1	7280	8.15	-0.63
740836.9	991422.9	7290	8.70	-0.63
740834.8	991432.7	7300	8.39	-0.50
740832.8	991442.4	7310	8.15	-0.62
740830.6	991452.3	7320	8.03	-0.60
740828.6	991462	7330	7.81	-0.57

Easting	Northing	Station	Conduct.	In-Phase
740826.4	991471.8	7340	7.75	-0.65
740824.4	991481.6	7350	7.63	-0.69
740822.3	991491.4	7360	7.51	-0.48
740820.2	991501.2	7370	7.45	-0.57
740818.1	991510.9	7380	7.35	-0.65
740816.2	991520.7	7390	7.20	-0.66
740814.1	991530.4	7400	7.35	-0.55
740812	991540.3	7410	7.48	0.02
740809.9	991550	7420	7.29	-0.42
740807.8	991559.8	7430	7.48	-0.65
740805.8	991569.6	7440	7.45	-0.66
740803.6	991579.4	7450	7.54	-0.59
740801.6	991589.1	7460	7.23	-0.59
740799.5	991598.9	7470	7.42	-0.58
740797.4	991608.8	7480	7.35	-0.63
740795.3	991618.5	7490	6.99	-0.64
740793.3	991628.3	7500	7.75	-0.66
740791.1	991638.1	7510	7.23	-0.69
740789.1	991647.9	7520	7.45	-0.67
740786.9	991657.6	7530	7.26	-0.64
740784.9	991667.4	7540	7.54	-0.01
740825.2	991670.5	7540	6.68	-0.67
740827.2	991660.7	7530	6.84	-0.55
740829.3	991650.9	7520	6.65	-0.48
740831.4	991641.1	7510	7.23	-0.64
740833.4	991631.3	7500	7.17	-0.64
740835.6	991621.6	7490	7.48	-0.67
740837.6	991611.8	7480	7.66	-0.54
740839.7	991602	7470	7.75	-0.58
740841.8	991592.2	7460	7.60	-0.66
740843.9	991582.4	7450	7.54	-0.32
740845.9	991572.6	7440	7.72	-0.68
740848.1	991562.9	7430	7.69	-0.46
740850.1	991553.1	7420	7.66	-0.39
740852.2	991543.3	7410	7.63	-0.34
740854.3	991533.5	7400	7.35	-0.53
740856.4	991523.7	7390	7.54	-0.48
740858.5	991513.9	7380	7.45	-0.40
740860.6	991504.1	7370	7.45	-0.60
740862.6	991494.4	7360	7.72	-0.54
740864.6	991484.6	7350	7.75	-0.63
740866.7	991474.9	7340	7.81	-0.61
740868.8	991465.1	7330	8.27	-0.51
740870.9	991455.3	7320	7.93	-0.63
740872.9	991445.5	7310	8.30	-0.57
740875.1	991435.8	7300	8.00	0.00
740877.1	991425.9	7290	8.27	-0.66
740879.2	991416.1	7280	8.27	-0.50
740881.3	991406.4	7270	8.45	-0.40
740883.4	991396.6	7260	8.33	-0.01
740885.4	991386.8	7250	8.30	0.03

Easting	Northing	Station	Conduct.	In-Phase
740887.6	991377	7240	8.70	-0.57
740889.6	991367.3	7230	8.64	-0.60
740891.8	991357.4	7220	8.58	-0.47
740893.8	991347.7	7210	8.51	0.02
740895.9	991337.9	7200	9.03	-0.64
740898	991328.1	7190	9.06	-0.68
740900.1	991318.3	7180	9.00	-0.64
740902.1	991308.5	7170	9.34	-0.61
740904.1	991298.7	7160	9.43	0.04
740906.3	991288.9	7150	9.43	0.00
740908.3	991279.1	7140	9.31	-0.68
740910.4	991269.4	7130	9.83	-0.65
740912.4	991259.7	7120	9.46	0.04
740914.6	991249.9	7110	9.46	0.03
740916.6	991240.1	7100	9.19	-0.63
740918.7	991230.3	7090	9.16	-0.36
740920.8	991220.5	7080	8.76	0.03
740922.9	991210.8	7070	9.12	0.00
740924.9	991200.9	7060	8.91	-0.67
740927.1	991191.2	7050	8.88	-0.08
740929.1	991181.4	7040	8.66	-0.55
740931.3	991171.6	7030	8.91	-0.52
740933.3	991161.8	7020	8.21	-0.62
740935.4	991152.1	7010	8.30	-0.57
740937.5	991142.3	7000	8.12	0.04
740939.6	991132.4	6990	7.75	-0.10
740941.6	991122.7	6980	7.69	-0.69
740943.6	991112.9	6970	8.27	-0.47
740945.8	991103.1	6960	8.06	-0.47
740947.8	991093.3	6950	7.90	-0.54
LINE 1320				
740933.4	991370.9	7230	9.19	-0.24
740931.3	991380.8	7240	9.40	-0.09
740929.3	991390.5	7250	9.12	-0.10
740927.1	991400.3	7260	8.76	-0.63
740925.1	991410.1	7270	8.85	0.01
740923	991419.8	7280	8.27	-0.69
740920.9	991429.6	7290	8.36	-0.41
740918.8	991439.3	7300	8.36	-0.50
740916.8	991449.1	7310	8.30	-0.44
740914.7	991458.9	7320	8.24	-0.35
740912.6	991468.7	7330	8.33	-0.45
740910.6	991478.5	7340	8.27	-0.24
740908.5	991488.3	7350	8.12	-0.36
740906.4	991498.1	7360	8.18	-0.36
740904.3	991507.9	7370	7.97	-0.33
740902.3	991517.6	7380	7.72	-0.39
740900.2	991527.4	7390	7.84	-0.34
740898.1	991537.2	7400	7.72	-0.27
740896	991547	7410	7.45	-0.52
740893.9	991556.8	7420	7.93	-0.48

Easting	Northing	Station	Conduct.	In-Phase
740891.8	991566.6	7430	7.45	-0.52
740889.8	991576.4	7440	7.57	-0.56
740887.6	991586.1	7450	7.93	-0.45
740885.6	991595.9	7460	8.00	-0.35
740883.5	991605.7	7470	7.66	-0.42
740881.4	991615.5	7480	7.66	-0.39
740879.3	991625.3	7490	7.72	-0.10
740877.3	991634.9	7500	7.69	-0.19
740875.2	991644.8	7510	7.69	-0.50
740873.2	991654.6	7520	7.51	-0.26
740871.1	991664.3	7530	7.48	-0.49
740869	991674.1	7540	7.90	-0.36
740836.8	991134.8	7000	7.84	-0.32
740834.7	991144.6	7010	7.87	-0.33
740832.6	991154.3	7020	8.06	-0.33
740830.6	991164.1	7030	8.42	-0.34
740828.4	991173.8	7040	8.24	-0.25
740826.4	991183.6	7050	8.51	-0.20
740824.4	991193.4	7060	8.48	-0.32
740822.3	991203.3	7070	8.33	-0.16
740820.2	991213	7080	8.36	-0.48
740818.1	991222.8	7090	8.54	-0.37
740816	991232.6	7100	8.64	-0.21
740813.9	991242.4	7110	8.58	-0.18
740811.9	991252.1	7120	8.73	-0.13
740809.8	991261.9	7130	8.82	-0.18
740807.7	991271.7	7140	8.67	-0.14
740805.6	991281.5	7150	8.70	-0.12
740803.5	991291.3	7160	8.97	-0.41
740801.4	991301.1	7170	9.22	-0.22
740799.4	991310.9	7180	11.02	-0.42
740797.3	991320.6	7190	11.66	-0.59
740795.2	991330.4	7200	9.19	-0.15
740793.1	991340.2	7210	7.20	-0.34
740791	991350	7220	-2.01	3.87
740788.9	991359.7	7230	8.48	-0.98
740786.9	991369.5	7240	11.[illegible]	-0.36
740784.9	991379.3	7250	10.47	-0.20
740782.8	991389.1	7260	9.49	-0.38
740780.7	991398.8	7270	8.61	-0.33
740778.6	991408.6	7280	8.58	-0.20
740776.5	991418.4	7290	8.33	-0.17
740774.4	991428.2	7300	8.09	-0.26
740772.4	991438	7310	7.66	-0.14
740770.3	991447.8	7320	7.66	-0.29
740768.2	991457.6	7330	7.87	-0.33
740766.1	991467.3	7340	7.48	-0.15
740764	991477.1	7350	7.84	-0.20
740761.9	991486.9	7360	7.78	-0.23
740759.9	991496.7	7370	7.69	-0.26
740757.8	991506.5	7380	7.69	-0.28

Easting	Northing	Station	Conduct.	In-Phase
740755.7	991516.3	7390	7.90	-0.48
740753.6	991526.1	7400	7.72	-0.30
740751.5	991535.8	7410	7.66	-0.18
740749.4	991545.6	7420	7.81	-0.32
740747.4	991555.4	7430	7.45	-0.13
740745.3	991565.2	7440	7.48	-0.17
740743.3	991574.9	7450	7.29	-0.18
740741.2	991584.7	7460	7.32	-0.31
740739.1	991594.4	7470	6.99	-0.34
740737	991604.3	7480	7.20	-0.29
740734.9	991614.1	7490	6.93	-0.35
740732.9	991623.8	7500	7.26	-0.39
740730.8	991633.6	7510	6.99	-0.47
740728.7	991643.4	7520	7.14	-0.43
LINE 1220				
740768.9	991646.4	7520	7.97	-0.48
740771	991636.6	7510	8.30	-0.31
740773.1	991626.9	7500	8.18	-0.13
740775.2	991617.1	7490	8.12	-0.25
740777.3	991607.3	7480	7.93	-0.14
740779.3	991597.5	7470	7.69	-0.40
740781.4	991587.8	7460	7.63	-0.14
740783.5	991577.9	7450	7.72	-0.48
740785.6	991568.2	7440	7.69	-0.15
740787.7	991558.4	7430	7.72	-0.28
740789.8	991548.6	7420	7.97	-0.29
740791.9	991538.8	7410	7.97	-0.19
740793.9	991529.1	7400	8.06	-0.40
740795.9	991519.3	7390	7.54	-0.23
740798	991509.5	7380	8.00	-0.23
740800.1	991499.8	7370	7.72	-0.27
740802.2	991489.9	7360	7.57	-0.23
740804.3	991480.2	7350	7.57	-0.28
740806.3	991470.4	7340	7.72	-0.17
740808.4	991460.6	7330	7.75	-0.71
740810.5	991450.8	7320	7.87	-0.17
740812.6	991441	7310	7.84	-0.18
740814.7	991431.3	7300	8.06	-0.37
740816.8	991421.4	7290	8.33	-0.27
740818.8	991411.7	7280	8.61	-0.16
740820.9	991401.9	7270	8.33	-0.32
740823	991392.1	7260	9.12	-0.36
740825.1	991382.3	7250	9.34	-0.18
740827.2	991372.6	7240	10.41	-0.12
740829.3	991362.8	7230	6.16	-1.29
740831.4	991352.9	7220	-14.89	-5.02
740833.4	991343.2	7210	-0.09	-0.48
740835.4	991333.4	7200	-4.91	-0.50
740837.5	991323.6	7190	6.68	-3.49
740839.6	991313.9	7180	10.96	-0.13
740841.7	991304.1	7170	9.74	-0.29
740843.8	991294.3	7160	9.52	-0.24
740845.8	991284.6	7150	9.09	-0.26
740847.9	991274.8	7140	8.94	-0.23
740850	991265	7130	9.25	-0.28
740852.1	991255.2	7120	9.25	-0.32
740854.2	991245.4	7110	9.19	-0.36
740856.3	991235.6	7100	9.28	-0.39
740858.4	991225.8	7090	9.25	-0.25
740860.4	991216.1	7080	9.74	-0.38
740862.5	991206.3	7070	9.06	-0.28
740864.6	991196.5	7060	8.94	-0.25
740866.7	991186.7	7050	8.54	-0.49
740868.8	991176.9	7040	8.42	-0.48
740870.9	991167.1	7030	8.12	-0.29
740872.9	991157.3	7020	8.06	-0.41
740874.9	991147.6	7010	8.18	-0.45
740877	991137.8	7000	7.90	-0.52
LINE 1260				
740917.4	991140.8	7000	7.84	-0.38
740915.3	991150.5	7010	8.21	-0.59
740913.2	991160.3	7020	8.30	-0.51
740911.1	991170.1	7030	8.36	-0.48
740909	991179.9	7040	8.70	-0.11
740906.9	991189.6	7050	9.03	-0.43
740904.9	991199.4	7060	8.82	-0.24
740902.8	991209.3	7070	9.22	-0.42
740900.7	991219	7080	9.16	-0.42
740898.6	991228.8	7090	9.12	-0.40
740896.5	991238.6	7100	9.70	-0.35
740894.4	991248.4	7110	9.55	-0.36
740892.3	991258.1	7120	9.80	-0.30
740890.3	991267.9	7130	9.89	-0.44
740888.2	991277.7	7140	9.58	-0.54
740886.1	991287.4	7150	9.77	-0.28
740884	991297.2	7160	9.61	-0.27
740881.9	991307	7170	9.37	-0.37
740879.9	991316.8	7180	8.82	-0.22
740877.9	991326.6	7190	8.85	-0.30
740875.8	991336.4	7200	8.58	-0.23
740873.7	991346.1	7210	8.51	-0.24
740871.6	991355.9	7220	8.76	-0.33
740869.5	991365.7	7230	8.42	-0.35
740867.4	991375.5	7240	9.00	-0.53
740865.4	991385.3	7250	8.67	-0.14
740863.3	991395.1	7260	7.69	-0.41
740861.2	991404.8	7270	7.63	-0.33
740859.1	991414.6	7280	8.85	-0.43
740857	991424.4	7290	8.45	-0.24
740854.9	991434.2	7300	8.54	-0.36
740852.8	991444	7310	8.48	-0.29
740850.8	991453.8	7320	8.36	-0.35

Easting	Northing	Station	Conduct.	In-Phase
740848.7	991463.6	7330	8.33	-0.23
740846.6	991473.3	7340	7.78	-0.22
740844.5	991483.1	7350	8.00	-0.34
740842.4	991492.9	7360	7.93	-0.33
740840.4	991502.6	7370	7.57	-0.18
740838.4	991512.4	7380	7.66	-0.34
740836.3	991522.2	7390	7.78	-0.17
740834.2	991532	7400	7.81	-0.18
740832.1	991541.8	7410	7.84	-0.26
740830	991551.6	7420	8.24	-0.45
740827.9	991561.3	7430	7.66	-0.47
740825.9	991571.1	7440	7.78	-0.22
740823.8	991580.9	7450	7.81	-0.43
740821.7	991590.7	7460	7.78	-0.44
740819.6	991600.4	7470	7.69	-0.41
740817.5	991610.3	7480	7.48	-0.25
740815.4	991620.1	7490	7.78	-0.33
740813.3	991629.8	7500	6.84	-0.33
740811.3	991639.6	7510	7.29	-0.01
LINE 1300				
740851.2	991652.7	7520	7.90	-0.57
740853.3	991642.9	7510	7.84	-0.40
740855.4	991633.1	7500	7.90	-0.39
740857.4	991623.3	7490	7.81	-0.30
740859.5	991613.5	7480	7.57	-0.27
740861.6	991603.8	7470	8.12	-0.41
740863.7	991593.9	7460	7.87	-0.31
740865.8	991584.2	7450	7.90	-0.33
740867.9	991574.4	7440	7.84	-0.39
740869.9	991564.6	7430	8.03	-0.28
740872.1	991554.8	7420	8.00	-0.22
740874.1	991545.1	7410	7.81	-0.48
740876.2	991535.4	7400	8.03	-0.22
740878.3	991525.6	7390	7.75	-0.19
740880.4	991515.8	7380	8.03	-0.12
740882.4	991506	7370	8.24	-0.40
740884.5	991496.2	7360	8.06	-0.21
740886.6	991486.4	7350	8.39	-0.24
740888.6	991476.6	7340	8.54	-0.31
740890.7	991466.8	7330	8.58	-0.25
740892.8	991457.1	7320	8.58	-0.55
740894.9	991447.3	7310	8.33	-0.41
740896.9	991437.5	7300	8.51	-0.41
740899.1	991427.7	7290	8.30	-0.40
740901.1	991417.9	7280	8.30	-0.36
740903.2	991408.1	7270	8.58	-0.56
740905.3	991398.3	7260	8.85	-0.50
740907.4	991388.6	7250	9.16	-0.44
740909.4	991378.8	7240	9.52	-0.43
740911.6	991369	7230	9.06	-0.34
740913.6	991359.2	7220	9.49	-0.39

Easting	Northing	Station	Conduct.	In-Phase
740915.7	991349.4	7210	9.43	-0.37
740917.8	991339.8	7200	9.98	-0.43
740919.9	991329.9	7190	10.01	0.00
740921.9	991320.2	7180	9.98	-0.49
740924.1	991310.4	7170	10.16	-0.15
740926.1	991300.6	7160	10.07	-0.37
740928.1	991290.8	7150	10.10	-0.39
740930.2	991281	7140	10.10	-0.35
740932.3	991271.2	7130	10.01	-0.42
740934.4	991261.4	7120	9.86	-0.43
740936.4	991251.6	7110	9.80	-0.51
740938.6	991241.9	7100	9.80	-0.48
740940.6	991232.1	7090	9.77	-0.41
740942.7	991222.3	7080	9.46	-0.59
740944.8	991212.5	7070	9.31	-0.45
740946.9	991202.8	7060	9.09	-0.34
740948.9	991192.9	7050	9.40	-0.42
740951.1	991183.1	7040	9.40	-0.29
740953.1	991173.4	7030	8.94	-0.30
740955.2	991163.6	7020	8.70	-0.24
740957.3	991153.8	7010	9.06	-0.31
740959.4	991144	7000	8.48	-0.33
740961.5	991134.3	6990	8.70	-0.38
740963.6	991124.6	6980	8.58	-0.48
740965.5	991114.8	6970	8.21	-0.45
740967.6	991104.9	6960	8.45	-0.42
740969.7	991095.2	6950	8.21	-0.41
740971.8	991085.4	6940	7.90	-0.32
740973.9	991075.6	6930	7.75	-0.37
740975.9	991065.8	6920	7.81	-0.51
740978.1	991056	6910	7.48	-0.46
740980.1	991046.3	6900	7.42	-0.50
740982.2	991036.4	6890	7.51	-0.46
740984.3	991026.7	6880	7.45	-0.42
740986.4	991016.9	6870	7.48	-0.45
740988.4	991007.1	6860	7.39	-0.47
740990.6	990997.3	6850	7.26	-0.51
740992.6	990987.5	6840	6.93	-0.40
740994.8	990977.8	6830	7.26	-0.58
740996.8	990967.9	6820	6.99	-0.55
740998.9	990958.2	6810	6.74	-0.47
741001	990948.4	6800	6.77	0.00
LINE 1340				
740955.3	991372.8	7230	9.77	-0.11
740953.2	991382.6	7240	9.64	-0.15
740951.1	991392.4	7250	9.37	-0.43
740949.1	991402.1	7260	9.09	-0.47
740946.9	991411.9	7270	9.03	-0.59
740944.9	991421.7	7280	8.82	-0.50
740942.8	991431.5	7290	8.76	-0.44
740940.7	991441.3	7300	8.39	-0.45

Easting	Northing	Station	Conduct.	In-Phase
740938.6	991451.1	7310	8.39	-0.29
740936.6	991460.9	7320	8.51	-0.41
740934.6	991470.7	7330	8.39	-0.31
740932.4	991480.4	7340	8.39	-0.35
740930.4	991490.3	7350	8.58	-0.28
740928.3	991499.9	7360	8.36	-0.44
740926.2	991509.7	7370	8.48	-0.36
740924.1	991519.5	7380	8.06	-0.45
740922.1	991529.3	7390	8.09	-0.33
740919.9	991539.1	7400	8.09	-0.01
740917.9	991548.9	7410	8.06	-0.48
740915.8	991558.6	7420	8.06	-0.39
740913.7	991568.4	7430	8.39	-0.33
740911.6	991578.2	7440	7.93	-0.35
740909.6	991588	7450	7.97	-0.27
740907.4	991597.8	7460	7.93	-0.46
740905.4	991607.6	7470	7.87	-0.28
740903.3	991617.3	7480	8.21	-0.34
740901.2	991627.1	7490	7.93	-0.30
LINE 1340				
740912.8	991677.8	7540	7.35	-0.26
740914.9	991668.1	7530	7.17	-0.49
740916.9	991658.3	7520	7.11	-0.47
740919	991648.5	7510	7.35	-0.20
740921.1	991638.7	7500	7.42	-0.32
740923.1	991628.9	7490	7.32	-0.50
740925.2	991619.1	7480	7.63	-0.51
740927.3	991609.3	7470	7.66	-0.43
740929.4	991599.5	7460	7.60	-0.42
740931.4	991589.8	7450	8.00	-0.52
740933.5	991579.9	7440	7.87	-0.42
740935.6	991570.3	7430	8.12	-0.39
740937.7	991560.5	7420	8.12	-0.09
740939.8	991550.7	7410	8.18	-0.40
740941.9	991540.9	7400	7.78	-0.53
740943.9	991531.1	7390	8.15	-0.27
740946	991521.4	7380	8.39	-0.44
740948.1	991511.6	7370	8.27	-0.57
740950.2	991501.8	7360	8.30	-0.53
740952.3	991492	7350	8.61	-0.51
740954.4	991482.2	7340	8.67	-0.51
740956.4	991472.4	7330	8.21	-0.44
740958.6	991462.6	7320	8.58	-0.07
740960.6	991452.9	7310	8.51	-0.51
740962.6	991443.1	7300	8.45	-0.32
740964.7	991433.3	7290	8.73	-0.45
740966.8	991423.5	7280	8.54	-0.05
740968.9	991413.7	7270	8.70	-0.02
740970.9	991403.9	7260	8.97	-0.11
740973.1	991394.1	7250	9.09	-0.59
740975.1	991384.3	7240	9.25	-0.03

Easting	Northing	Station	Conduct.	In-Phase
740977.2	991374.6	7230	9.12	-0.24
740979.3	991364.8	7220	9.28	-0.17
740981.4	991355.1	7210	9.28	-0.19
740983.4	991345.3	7200	9.31	-0.16
LINE 1400				
741027.8	991354	7200	9.16	-0.58
741024.9	991363.6	7210	9.43	-0.04
741021.9	991373.1	7220	9.25	-0.13
741019	991382.7	7230	9.52	-0.53
741016.1	991392.2	7240	9.46	-0.59
741013.3	991401.8	7250	9.46	-0.24
741010.3	991411.4	7260	9.40	-0.45
741007.3	991420.9	7270	8.94	-0.57
741004.4	991430.5	7280	9.25	-0.03
741001.4	991440.1	7290	9.25	-0.03
740998.6	991449.7	7300	9.31	-0.03
740995.7	991459.1	7310	9.46	-0.03
740992.7	991468.7	7320	9.34	-0.10
740989.8	991478.3	7330	9.37	-0.06
740986.9	991487.9	7340	9.19	-0.57
740983.9	991497.4	7350	8.97	-0.40
740981	991507	7360	8.67	-0.60
740978.1	991516.6	7370	8.85	-0.54
740975.3	991526.1	7380	8.64	-0.55
740972.3	991535.7	7390	8.39	-0.54
740969.3	991545.3	7400	8.58	-0.47
740966.4	991554.8	7410	8.64	-0.37
740963.5	991564.4	7420	8.58	-0.36
740960.6	991573.9	7430	8.39	-0.06
740957.6	991583.6	7440	8.15	-0.59
740954.7	991593.1	7450	8.51	-0.47
740951.8	991602.6	7460	8.39	-0.40
740948.9	991612.2	7470	8.30	-0.32
740945.9	991621.8	7480	8.03	-0.52
740989.2	991629.2	7480	8.33	-0.44
740992.1	991619.7	7470	8.24	-0.44
740995.1	991610.1	7460	8.18	-0.40
740998	991600.6	7450	8.30	-0.40
741001	991591	7440	8.48	-0.08
741003.8	991581.4	7430	8.54	-0.50
741006.8	991571.9	7420	8.67	-0.55
741009.8	991562.3	7410	9.12	-0.08
741012.7	991552.7	7400	9.09	-0.48
741015.5	991543.2	7390	9.22	-0.54
741018.4	991533.6	7380	9.09	-0.45
741021.4	991524.1	7370	9.00	-0.49
741024.4	991514.5	7360	9.31	-0.36
741027.2	991504.9	7350	9.34	-0.38
741030.2	991495.3	7340	9.03	-0.45
741033.1	991485.8	7330	9.43	-0.58
741036	991476.3	7320	9.31	-0.55

Easting	Northing	Station	Conduct.	In-Phase
741038.9	991466.7	7310	8.82	-0.48
741041.8	991457.1	7300	9.43	-0.56
741044.8	991447.6	7290	9.43	-0.21
741047.8	991438	7280	9.19	-0.46
741050.7	991428.4	7270	9.03	-0.42
741053.6	991418.8	7260	9.55	-0.28
741056.4	991409.3	7250	9.37	-0.40
741059.4	991399.8	7240	9.52	-0.44
741062.4	991390.2	7230	8.97	-0.60
741065.2	991380.6	7220	9.43	-0.50
741068.2	991371	7210	9.09	-0.54
741071.1	991361.4	7200	8.94	-0.48
LINE 1480				
741114.4	991369.1	7200	9.37	-0.07
741111.5	991378.6	7210	9.34	-0.05
741108.6	991388.2	7220	9.43	-0.05
741105.6	991397.8	7230	9.77	-0.35
741102.6	991407.3	7240	9.12	-0.41
741099.8	991416.9	7250	9.67	-0.54
741096.8	991426.5	7260	9.46	-0.34
741093.9	991436.1	7270	9.43	-0.44
741090.9	991445.5	7280	9.55	-0.49
741088.1	991455.1	7290	9.43	-0.35
741085.2	991464.7	7300	9.92	-0.38
741082.2	991474.3	7310	9.61	-0.29
741079.3	991483.8	7320	9.64	-0.50
741076.4	991493.4	7330	9.25	-0.42
741073.4	991503	7340	9.28	-0.37
741070.6	991512.4	7350	9.28	-0.48
741067.6	991522.1	7360	9.37	-0.35
741064.6	991531.6	7370	9.03	-0.35
741061.8	991541.2	7380	9.06	-0.13
741058.8	991550.8	7390	9.55	-0.50
741055.9	991560.3	7400	8.88	-0.58
741052.9	991569.9	7410	9.22	-0.13
741050.1	991579.4	7420	8.51	-0.13
741047.1	991589	7430	8.82	-0.10
741044.2	991598.6	7440	8.79	-0.11
741041.3	991608.1	7450	8.70	-0.48
741038.4	991617.8	7460	8.39	-0.08
741035.4	991627.3	7470	8.73	-0.52
741032.5	991636.9	7480	7.87	0.00
741075.9	991644.3	7480	8.12	-0.55
741078.7	991634.8	7470	7.93	-0.56
741081.7	991625.2	7460	7.90	-0.57
741084.6	991615.6	7450	8.51	-0.12
741087.6	991606.1	7440	8.33	-0.15
741090.4	991596.5	7430	9.06	-0.54
741093.3	991586.9	7420	8.88	-0.10
741096.3	991577.4	7410	9.06	-0.02
741099.3	991567.8	7400	8.73	-0.20

Easting	Northing	Station	Conduct.	In-Phase
741102.1	991558.3	7390	8.70	-0.54
741105.1	991548.6	7380	8.85	-0.10
741108	991539.1	7370	8.82	-0.12
741110.9	991529.6	7360	8.85	-0.07
741113.9	991520.1	7350	8.88	-0.19
741116.7	991510.4	7340	9.34	-0.18
741119.7	991500.9	7330	9.58	-0.36
741122.6	991491.3	7320	9.86	-0.15
741125.6	991481.8	7310	10.22	-0.19
741128.4	991472.1	7300	9.67	-0.44
741131.4	991462.6	7290	9.77	-0.22
741134.3	991453.1	7280	10.16	-0.15
741137.3	991443.5	7270	9.98	-0.19
741140.1	991433.9	7260	9.98	-0.15
741143.1	991424.4	7250	9.52	-0.06
741146	991414.8	7240	9.89	-0.14
741148.9	991405.2	7230	9.80	-0.09
741151.8	991395.6	7220	9.80	-0.31
741154.7	991386.1	7210	9.83	-0.34
LINE 1380				
740967.6	991625.6	7480	8.24	-0.49
740970.5	991616	7470	8.12	-0.48
740973.4	991606.4	7460	8.33	-0.37
740976.4	991596.9	7450	8.42	-0.58
740979.3	991587.3	7440	8.30	-0.44
740982.2	991577.7	7430	8.48	-0.34
740985.1	991568.2	7420	8.48	-0.64
740988.1	991558.6	7410	8.58	-0.37
740990.9	991549.1	7400	9.09	-0.38
740993.9	991539.5	7390	8.85	-0.27
740996.8	991529.9	7380	9.06	-0.32
740999.8	991520.3	7370	9.09	-0.42
741002.6	991510.8	7360	9.06	-0.37
741005.6	991501.3	7350	9.52	-0.33
741008.5	991491.7	7340	9.09	-0.27
741011.4	991482.1	7330	9.31	-0.31
741014.3	991472.5	7320	9.61	-0.21
741017.3	991462.9	7310	9.22	-0.37
741020.2	991453.4	7300	9.37	-0.29
741023.1	991443.8	7290	9.09	-0.59
741026.1	991434.3	7280	9.06	-0.46
741028.9	991424.8	7270	9.00	-0.41
741031.9	991415.2	7260	9.22	-0.09
741034.8	991405.6	7250	9.31	-0.16
741037.8	991396.1	7240	9.55	-0.40
741040.6	991386.4	7230	9.37	-0.23
741043.6	991376.9	7220	9.25	-0.40
LINE 1460				
741086.9	991384.4	7220	8.91	-0.58
741084	991393.9	7230	8.88	-0.38
741081.1	991403.5	7240	9.28	-0.60

Easting	Northing	Station	Conduct.	In-Phase
741078.1	991413.1	7250	8.88	-0.62
741075.3	991422.7	7260	9.28	-0.45
741072.3	991432.3	7270	9.34	-0.43
741069.3	991441.8	7280	8.97	-0.46
741066.4	991451.4	7290	9.46	-0.42
741063.6	991460.9	7300	9.46	-0.41
741060.6	991470.4	7310	9.12	-0.51
741057.7	991480	7320	9.28	-0.51
741054.7	991489.6	7330	9.52	-0.48
741051.8	991499.1	7340	9.34	-0.32
741048.9	991508.8	7350	9.25	-0.48
741045.9	991518.3	7360	9.16	-0.51
741043	991527.9	7370	9.19	-0.52
741040.1	991537.4	7380	9.00	-0.58
741037.3	991546.9	7390	8.91	-0.48
741034.3	991556.5	7400	9.16	-0.50
741031.3	991566.1	7410	8.94	-0.41
741028.4	991575.7	7420	8.88	-0.47
741025.5	991585.3	7430	8.94	-0.47
741022.6	991594.8	7440	8.66	-0.52
741019.6	991604.3	7450	8.76	-0.52
741016.7	991613.9	7460	8.54	-0.05
741013.9	991623.5	7470	8.48	-0.16
741010.9	991633.1	7480	8.42	-0.35
741054.2	991640.5	7480	7.87	-0.57
741057.1	991630.9	7470	7.93	-0.53
741060	991621.4	7460	8.18	-0.63
741063	991611.9	7450	8.45	-0.54
741065.8	991602.3	7440	8.30	-0.64
741068.8	991592.7	7430	8.79	-0.34
741071.8	991583.1	7420	8.48	-0.46
741074.7	991573.6	7410	8.54	-0.51
741077.6	991564	7400	8.82	-0.57
741080.5	991554.4	7390	8.66	-0.56
741083.4	991544.9	7380	8.97	-0.58
741086.4	991535.4	7370	8.73	-0.58
741089.2	991525.8	7360	8.73	-0.39
741092.2	991516.2	7350	8.88	-0.47
741095.1	991506.6	7340	8.82	-0.60
741098.1	991497.1	7330	9.00	-0.70
741101	991487.5	7320	9.22	-0.58
741103.8	991478	7310	9.58	-0.56
741106.8	991468.4	7300	9.37	-0.55
741109.8	991458.8	7290	9.28	-0.44
741112.7	991449.3	7280	9.58	-0.55
741115.6	991439.7	7270	9.58	-0.61
741118.5	991430.1	7260	9.74	-0.47
741121.4	991420.6	7250	9.46	-0.49
741124.4	991411.1	7240	9.46	-0.53
741127.3	991401.4	7230	9.55	-0.58
741130.2	991391.9	7220	9.28	-0.52

Easting	Northing	Station	Conduct.	In-Phase
LINE 1540				
741106	991564.1	7390	9.46	-0.20
741103.4	991573.8	7400	8.91	-0.38
741100.8	991583.4	7410	9.06	-0.34
741098.3	991593	7420	9.00	-0.12
741095.7	991602.7	7430	9.12	-0.25
741093	991612.4	7440	8.73	-0.29
741090.5	991622	7450	8.70	-0.21
741087.9	991631.7	7460	8.73	-0.01
741085.3	991641.4	7470	8.45	-0.16
741082.7	991651	7480	8.27	-0.11
741126.3	991656.9	7480	8.30	-0.43
741128.8	991647.3	7470	8.12	-0.58
741131.4	991637.6	7460	8.45	-0.46
741134	991628.1	7450	8.61	-0.37
741136.6	991618.4	7440	8.70	-0.52
741139.2	991608.6	7430	8.39	-0.51
741141.8	991599.1	7420	9.67	-0.55
741144.4	991589.4	7410	9.43	-0.66
741146.9	991579.7	7400	8.42	-0.60
741149.5	991570.1	7390	9.00	-0.54
741152.2	991560.4	7380	9.25	-0.45
741154.7	991550.8	7370	8.94	-0.53
741157.3	991541.1	7360	9.61	-0.46
741159.9	991531.4	7350	9.58	-0.44
741162.5	991521.8	7340	9.89	-0.38
741165.1	991512.1	7330	9.80	-0.48
741167.6	991502.4	7320	9.70	-0.42
741170.3	991492.8	7310	9.55	-0.55
741172.9	991483.1	7300	9.74	-0.46
741175.4	991473.5	7290	9.64	-0.27
741178.1	991463.8	7280	9.83	-0.46
741180.6	991454.1	7270	9.31	-0.47
741183.2	991444.5	7260	9.74	-0.52
741185.8	991434.8	7250	9.61	-0.53
741188.4	991425.2	7240	9.77	-0.56
741190.9	991415.5	7230	9.52	-0.40
741193.6	991405.8	7220	9.22	-0.66
741196.2	991396.3	7210	9.95	-0.51
741198.8	991386.5	7200	9.22	-0.66
LINE 1640				
741242.3	991392.4	7200	9.61	-0.57
741239.7	991402.2	7210	9.80	-0.56
741237.1	991411.9	7220	9.40	-0.27
741234.6	991421.5	7230	9.86	-0.50
741231.9	991431.1	7240	9.70	-0.67
741229.3	991440.8	7250	9.19	-0.53
741226.8	991450.4	7260	9.46	-0.59
741224.1	991460.1	7270	9.74	-0.51
741221.6	991469.8	7280	9.58	-0.39
741219	991479.4	7290	9.67	-0.51

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
741216.4	991489.1	7300	9.06	-0.52	741256.9	991675	7480	9.16	-0.99
741213.8	991498.8	7310	9.34	-0.49	741112.3	991624.9	7450	8.21	-0.78
741211.2	991508.4	7320	9.37	-0.52	741114.8	991615.3	7440	8.58	-0.58
741208.6	991518.1	7330	9.37	-0.47	741117.4	991605.6	7430	8.45	-0.59
741206	991527.7	7340	9.40	-0.52	741120.1	991596.1	7420	8.58	-0.57
741203.4	991537.4	7350	9.25	-0.45	741122.6	991586.3	7410	8.45	-0.62
741200.9	991547	7360	9.19	-0.54	741125.2	991576.6	7400	8.66	-0.64
741198.3	991556.8	7370	9.25	-0.51	741127.8	991567.1	7390	8.70	-0.77
741195.7	991566.3	7380	9.16	-0.38	741130.4	991557.4	7380	8.94	-0.71
741193.1	991576	7390	8.94	-0.34	741132.9	991547.6	7370	8.82	-0.63
741190.5	991585.8	7400	8.88	-0.49	741135.5	991538.1	7360	9.34	-0.63
741187.9	991595.3	7410	8.91	-0.35	741138.2	991528.4	7350	9.22	-0.43
741185.3	991605	7420	9.40	-0.40	741140.7	991518.8	7340	9.67	-0.58
741182.8	991614.7	7430	8.91	-0.45	741143.3	991509.1	7330	9.46	-0.38
741180.2	991624.3	7440	9.03	-0.52	741145.9	991499.4	7320	9.55	-0.23
741177.5	991634	7450	9.00	-0.50	741148.5	991489.8	7310	9.25	-0.69
741221.1	991640.1	7450	9.37	-0.69	741151.1	991480.1	7300	9.83	-0.76
741223.6	991630.4	7440	9.34	-0.83	741153.6	991470.4	7290	9.43	-0.66
741226.2	991620.8	7430	9.55	-0.82	741156.3	991460.8	7280	9.43	-0.62
741228.9	991611.1	7420	9.61	-0.80	741158.9	991451.1	7270	9.03	-0.13
741231.4	991601.4	7410	9.25	-0.84	741161.4	991441.4	7260	9.31	-0.64
741234	991591.8	7400	9.43	-0.48	741164.1	991431.8	7250	9.43	-0.72
LINE 1720					741166.6	991422.1	7240	9.43	-0.63
741329.3	991404.6	7200	9.31	-0.61	741169.2	991412.5	7230	9.80	-0.57
741326.7	991414.1	7210	9.83	-0.88	741171.8	991402.8	7220	9.55	-0.70
741324.1	991423.9	7220	9.55	-0.91	741174.4	991393.2	7210	9.49	-0.74
741321.6	991433.6	7230	9.49	-0.47	741176.9	991383.5	7200	9.58	-0.81
741318.9	991443.1	7240	9.74	-0.40	LINE 1620				
741316.4	991452.9	7250	9.22	-0.92	741220.5	991389.6	7200	8.97	-0.83
741313.8	991462.4	7260	9.83	-0.94	741217.9	991399.3	7210	8.82	-0.83
741311.3	991472.2	7270	9.70	-0.40	741215.3	991408.8	7220	8.61	-0.70
741308.6	991481.8	7280	9.52	-0.94	741212.8	991418.6	7230	8.85	-0.64
741306	991491.4	7290	9.49	-0.40	741210.1	991428.2	7240	9.06	-0.19
741303.4	991501.1	7300	9.31	-0.95	741207.5	991437.8	7250	9.03	-0.73
741300.8	991510.8	7310	9.06	-0.95	741204.9	991447.5	7260	9.25	-0.71
741298.3	991520.4	7320	9.43	-0.97	741202.4	991457.1	7270	9.00	-0.83
741295.7	991530.1	7330	9.40	-0.96	741199.8	991466.8	7280	9.46	-0.55
741293.1	991539.8	7340	9.37	-0.48	741197.2	991476.5	7290	9.49	-0.47
741290.4	991549.4	7350	9.00	-0.42	741194.6	991486.1	7300	9.46	-0.49
741287.9	991559.1	7360	9.40	-0.49	741192.1	991495.8	7310	9.43	-0.67
741285.4	991568.8	7370	9.16	-0.90	741189.4	991505.5	7320	9.12	-0.76
741282.7	991578.4	7380	8.82	-0.49	741186.9	991515.1	7330	9.28	-0.81
741280.1	991588	7390	9.12	-0.99	741184.3	991524.8	7340	9.67	-0.72
741277.6	991597.7	7400	9.28	-0.92	741181.6	991534.4	7350	8.94	-0.51
741275	991607.4	7410	9.28	-0.51	741179.1	991544.1	7360	9.28	-0.58
741272.4	991617	7420	9.09	-0.76	741176.5	991553.8	7370	9.37	-0.55
741269.8	991626.7	7430	8.73	-0.94	741173.9	991563.4	7380	9.28	-0.70
741267.2	991636.4	7440	8.88	-0.40	741171.3	991573.1	7390	8.51	-0.72
741264.6	991646	7450	8.94	-0.93	741168.7	991582.8	7400	8.48	-0.74
741262	991655.7	7460	8.73	-0.77	741166.2	991592.4	7410	8.85	-0.66
741259.4	991665.3	7470	8.82	-0.83	741163.5	991602.1	7420	8.91	-0.50

Easting	Northing	Station	Conduct.	In-Phase
741160.9	991611.7	7430	9.16	-0.75
741158.4	991621.4	7440	9.16	-0.65
741155.8	991631.1	7450	8.73	-0.84
LINE 1660				
741199.3	991637	7450	8.82	-0.94
741201.9	991627.3	7440	8.91	-0.75
741204.5	991617.8	7430	8.61	-0.83
741207.1	991608.1	7420	8.97	-0.79
741209.7	991598.3	7410	8.79	-0.76
741212.2	991588.7	7400	8.70	-0.88
741214.9	991579.1	7390	8.70	-0.80
741217.4	991569.4	7380	8.58	-0.78
741220	991559.8	7370	8.85	-0.85
741222.6	991550.1	7360	8.42	-0.80
741225.2	991540.4	7350	8.70	-0.68
741227.8	991530.8	7340	8.88	-0.82
741230.3	991521.1	7330	8.79	-0.76
741233	991511.4	7320	8.88	-0.78
741235.6	991501.8	7310	8.94	-0.67
741238.1	991492.1	7300	9.06	-0.67
741240.8	991482.5	7290	9.12	-0.68
741243.3	991472.8	7280	9.09	-0.75
741245.9	991463.2	7270	9.58	-0.80
741248.4	991453.4	7260	9.43	-0.73
741251.1	991443.8	7250	9.67	-0.64
741253.6	991434.2	7240	9.25	-0.38
741256.3	991424.5	7230	9.25	-0.95
741258.9	991414.9	7220	9.40	-0.87
741261.4	991405.2	7210	10.25	-0.76
741264	991395.5	7200	9.34	-0.75
LINE 1840				
740912.4	994139.9	10000	13.55	0.00
740914.7	994130.2	9990	13.52	-0.50
740916.9	994120.4	9980	12.79	0.00
740919.2	994110.7	9970	12.66	-0.40
740921.4	994100.9	9960	12.24	-0.50
740923.7	994091.2	9950	12.02	-0.50
740925.9	994081.4	9940	12.18	-0.50
740928.2	994071.7	9930	12.02	-0.40
740930.4	994061.9	9920	11.87	-0.40
740932.7	994052.2	9910	10.56	-0.30
740934.9	994042.5	9900	11.99	-0.50
740937.2	994032.8	9890	11.44	-0.40
740939.4	994023	9880	11.54	-0.50
740941.7	994013.3	9870	11.75	-0.50
740943.9	994003.5	9860	11.66	-0.50
740946.2	993993.8	9850	11.63	-0.50
740948.4	993984	9840	11.11	-0.50
740950.7	993974.3	9830	10.53	-0.50
740952.9	993964.5	9820	10.96	-0.50
740955.2	993954.8	9810	11.75	-0.50

Easting	Northing	Station	Conduct.	In-Phase
740957.4	993945.1	9800	3.97	-0.30
740959.7	993935.3	9790	2.53	-0.20
740961.9	993925.6	9780	21.18	0.00
740964.2	993915.8	9770	23.74	0.00
740966.4	993906.1	9760	22.16	0.00
740968.7	993896.3	9750	18.89	-0.40
740970.9	993886.6	9740	15.05	-0.50
740973.2	993876.8	9730	13.49	-0.40
740975.4	993867.1	9720	11.78	-0.40
740977.7	993857.3	9710	11.29	-0.50
740979.9	993847.6	9700	10.44	-0.50
740982.2	993837.9	9690	9.70	-0.50
740984.4	993828.1	9680	9.46	-0.50
740986.7	993818.4	9670	9.58	-0.50
740988.9	993808.6	9660	9.83	-0.50
740991.2	993798.9	9650	9.43	-0.40
740993.4	993789.1	9640	6.47	-0.20
740995.7	993779.4	9630	3.81	-0.10
740997.9	993769.6	9620	9.25	-0.30
741000.1	993759.9	9610	6.87	-0.20
741002.4	993750.2	9600	5.83	-0.30
741004.6	993740.4	9590	13.43	-0.50
741006.9	993730.7	9580	14.04	-0.50
741009.1	993720.9	9570	14.40	-0.50
741011.4	993711.2	9560	13.43	0.00
741013.6	993701.4	9550	12.82	-0.50
741015.9	993691.7	9540	12.18	-0.50
741018.1	993681.9	9530	11.23	-0.30
741020.4	993672.2	9520	10.53	-0.50
741022.6	993662.4	9510	10.16	-0.50
741024.9	993652.8	9500	9.86	-0.50
741027.1	993643	9490	9.77	-0.50
741029.4	993633.3	9480	9.40	-0.50
741031.6	993623.5	9470	9.06	0.00
741033.9	993613.8	9460	9.34	-0.50
741036.1	993604	9450	9.06	-0.50
741038.4	993594.3	9440	8.97	-0.50
741040.6	993584.5	9430	8.85	0.00
741042.9	993574.8	9420	9.46	0.00
741045.1	993565	9410	9.80	-0.10
741047.4	993555.3	9400	10.07	0.00
741049.6	993545.6	9390	9.77	0.00
741051.9	993535.8	9380	10.44	-0.10
741054.1	993526.1	9370	9.00	-0.50
741056.4	993516.3	9360	3.75	-0.30
741058.6	993506.6	9350	6.96	-0.40
741060.9	993496.8	9340	11.35	-0.20
741063.1	993487.1	9330	12.91	-0.20
741065.4	993477.3	9320	11.20	-0.50
741067.6	993467.6	9310	14.77	-0.30
741069.9	993457.9	9300	18.62	-0.40

Easting	Northing	Station	Conduct.	In-Phase
741072.1	993448.1	9290	20.54	-0.50
741074.4	993438.4	9280	2.44	-0.10
741076.6	993428.6	9270	9.70	-0.50
741078.9	993418.9	9260	8.91	-0.50
741081.1	993409.1	9250	10.62	0.00
741083.4	993399.4	9240	10.31	-0.50
741085.6	993389.6	9230	10.41	-0.50
741087.9	993379.9	9220	10.07	0.00
741090.1	993370.1	9210	9.95	0.00
741092.4	993360.4	9200	10.13	-0.50
741094.6	993350.7	9190	10.16	-0.50
741096.9	993340.9	9180	9.83	0.00
741099.1	993331.2	9170	10.07	0.00
741101.4	993321.4	9160	9.80	0.00
741103.6	993311.7	9150	9.46	0.00
741105.9	993301.9	9140	10.19	0.00
741108.1	993292.2	9130	9.67	0.00
741110.4	993282.4	9120	9.86	-0.50
741112.6	993272.7	9110	9.89	-0.10
741114.9	993263	9100	10.07	0.00
741117.1	993253.3	9090	9.92	-0.50
741119.4	993243.5	9080	9.58	0.00
741121.6	993233.8	9070	9.80	0.00
741123.9	993224	9060	9.70	0.00
741126.1	993214.3	9050	9.61	-0.40
741128.4	993204.5	9040	9.80	0.00
741130.6	993194.8	9030	9.43	0.00
741132.9	993185	9020	9.74	0.00
741135.1	993175.3	9010	9.80	-0.50
741137.4	993165.6	9000	9.58	-0.50
741139.6	993155.8	8990	9.95	-0.50
741141.9	993146.1	8980	9.61	0.00
741144.1	993136.3	8970	9.77	-0.50
741146.4	993126.6	8960	9.49	0.00
741148.6	993116.8	8950	9.06	0.00
741150.9	993107.1	8940	10.56	0.00
741153.1	993097.3	8930	10.07	-0.20
741155.4	993087.6	8920	10.04	-0.10
741157.6	993077.8	8910	10.13	-0.10
741159.9	993068.1	8900	10.22	-0.20
741162.1	993058.4	8890	10.13	-0.10
741164.4	993048.6	8880	9.83	0.00
741166.6	993038.9	8870	9.89	0.00
741168.9	993029.1	8860	10.19	-0.20
741171.1	993019.4	8850	9.95	0.00
741173.4	993009.6	8840	9.58	0.00
741175.6	992999.9	8830	9.58	-0.20
741177.9	992990.1	8820	9.58	-0.20
741180.1	992980.4	8810	9.74	-0.10
741182.4	992970.7	8800	9.28	-0.40
741184.6	992960.9	8790	9.95	-0.10
741186.9	992951.2	8780	10.25	-0.10
741189.1	992941.4	8770	9.92	-0.10
741191.4	992931.7	8760	9.92	-0.10
741193.6	992921.9	8750	9.67	-0.20
741195.9	992912.2	8740	9.58	-0.20
741198.1	992902.4	8730	9.95	-0.20
741200.4	992892.7	8720	9.83	-0.20
741202.6	992883	8710	10.04	-0.20
741204.9	992873.3	8700	9.89	-0.20
741207.1	992863.5	8690	10.01	-0.20
741209.4	992853.8	8680	9.64	-0.20
741211.6	992844	8670	9.46	-0.30
741213.9	992834.3	8660	9.40	-0.30
741216.1	992824.5	8650	9.64	-0.20
741218.4	992814.8	8640	9.52	-0.30
741220.6	992805	8630	12.08	-0.30
741222.9	992795.3	8620	10.13	-0.30
741225.1	992785.6	8610	9.34	-0.40
741227.4	992775.8	8600	10.16	-0.20
741229.6	992766.1	8590	11.17	-0.30
741231.9	992756.3	8580	10.56	-0.20
741234.1	992746.6	8570	9.64	-0.20
741236.4	992736.8	8560	10.47	-0.30
741238.6	992727.1	8550	9.77	-0.30
LINE 1860				
741260.4	992729.3	8550	10.13	-0.30
741258.2	992739.1	8560	10.10	-0.20
741255.9	992748.8	8570	10.22	-0.40
741253.7	992758.6	8580	10.56	-0.40
741251.4	992768.3	8590	11.90	-0.50
741249.2	992778.1	8600	11.20	-0.40
741246.9	992787.8	8610	9.80	-0.30
741244.7	992797.6	8620	9.49	-0.40
741242.4	992807.3	8630	12.51	-0.10
741240.2	992817.1	8640	9.22	-0.30
741237.9	992826.8	8650	9.43	-0.10
741235.7	992836.5	8660	9.64	-0.10
741233.4	992846.3	8670	9.70	-0.20
741231.2	992856	8680	8.39	0.00
741228.9	992865.8	8690	8.94	-0.10
741226.7	992875.5	8700	15.50	-0.40
741224.4	992885.3	8710	13.03	-0.30
741222.2	992895	8720	14.22	-0.20
741219.9	992904.8	8730	2.23	0.00
741217.7	992914.5	8740	5.92	-0.10
741215.4	992924.2	8750	12.76	-0.20
741213.2	992933.9	8760	12.21	-0.30
741210.9	992943.7	8770	13.61	-0.30
741208.7	992953.4	8780	12.02	-0.20
741206.4	992963.2	8790	9.58	-0.20
741204.2	992972.9	8800	11.02	-0.30

Easting	Northing	Station	Conduct.	In-Phase
741201.9	992982.7	8810	9.98	-0.20
741199.7	992992.4	8820	9.95	-0.10
741197.4	993002.2	8830	9.86	-0.10
741195.2	993011.9	8840	9.58	-0.10
741192.9	993021.6	8850	9.64	-0.20
741190.7	993031.4	8860	9.80	-0.20
741188.4	993041.1	8870	10.10	-0.20
741186.2	993050.9	8880	10.59	-0.20
741184	993060.6	8890	10.19	-0.20
741181.8	993070.4	8900	9.83	-0.30
741179.5	993080.1	8910	10.13	-0.20
741177.3	993089.9	8920	10.38	-0.20
741175	993099.6	8930	10.22	-0.20
741172.8	993109.4	8940	9.77	-0.20
741170.5	993119.1	8950	9.80	-0.20
741168.3	993128.8	8960	10.10	-0.10
741166	993138.6	8970	9.92	-0.20
741163.8	993148.3	8980	9.55	-0.20
741161.5	993158.1	8990	9.61	-0.30
741159.3	993167.8	9000	10.13	-0.20
741157	993177.6	9010	9.64	-0.20
741154.8	993187.3	9020	9.55	-0.10
741152.5	993197.1	9030	9.74	-0.30
741150.3	993206.8	9040	9.58	-0.30
741148	993216.5	9050	9.61	-0.20
741145.8	993226.3	9060	9.77	-0.20
741143.5	993236	9070	9.40	-0.20
741141.3	993245.8	9080	9.55	-0.10
741139	993255.5	9090	9.83	-0.20
741136.8	993265.3	9100	9.46	-0.30
741134.5	993275	9110	9.70	-0.10
741132.3	993284.8	9120	9.89	-0.10
741130	993294.5	9130	9.74	-0.20
741127.8	993304.3	9140	9.98	-0.20
741125.5	993313.9	9150	10.01	-0.20
741123.3	993323.7	9160	10.25	0.00
741121	993333.4	9170	9.80	-0.20
741118.8	993343.2	9180	10.04	-0.40
741116.5	993352.9	9190	9.92	-0.20
741114.3	993362.7	9200	10.35	-0.20
741112	993372.4	9210	10.04	-0.10
741109.8	993382.2	9220	9.67	-0.30
741107.5	993391.9	9230	10.50	-0.50
741105.3	993401.7	9240	10.10	-0.30
741103	993411.4	9250	11.02	-0.30
741100.8	993421.1	9260	11.54	-0.40
741098.5	993430.9	9270	7.20	-0.10
741096.3	993440.6	9280	5.19	0.00
741094	993450.4	9290	22.09	-0.40
741091.8	993460.1	9300	27.10	-0.70
741089.5	993469.9	9310	29.08	-0.70
741087.3	993479.6	9320	28.90	-0.50
741085	993489.4	9330	22.64	-0.90
741082.8	993499.1	9340	6.96	-0.50
741080.5	993508.8	9350	0.58	0.00
741078.3	993518.6	9360	8.73	-0.40
741076	993528.3	9370	12.05	-0.50
741073.8	993538.1	9380	14.77	-0.60
741071.5	993547.8	9390	13.89	-0.40
741069.3	993557.6	9400	6.32	-0.30
741067	993567.3	9410	8.85	-0.30
741064.8	993577.1	9420	9.22	-0.30
741062.5	993586.8	9430	9.49	-0.30
741060.3	993596.6	9440	9.80	-0.20
741058	993606.3	9450	9.89	-0.30
741055.8	993616	9460	8.66	-0.10
741053.5	993625.8	9470	7.93	-0.20
741051.3	993635.5	9480	9.58	-0.30
741049	993645.3	9490	12.85	-0.50
741046.8	993655	9500	12.91	-0.30
741044.5	993664.8	9510	11.11	-0.40
741042.3	993674.5	9520	9.86	-0.30
741040	993684.3	9530	9.43	-0.20
741037.8	993694	9540	9.25	-0.20
741035.5	993703.7	9550	9.28	-0.20
741033.3	993713.4	9560	9.06	-0.20
741031	993723.2	9570	9.22	-0.20
741028.8	993732.9	9580	9.12	-0.20
741026.5	993742.7	9590	9.06	-0.10
741024.3	993752.4	9600	9.06	-0.20
741022	993762.2	9610	8.94	-0.10
741019.8	993771.9	9620	8.88	-0.30
741017.5	993781.7	9630	8.85	-0.30
741015.3	993791.4	9640	8.70	-0.30
741013	993801.1	9650	9.09	-0.20
741010.8	993810.9	9660	10.56	-0.40
741008.5	993820.6	9670	10.13	-0.20
741006.3	993830.4	9680	6.87	-0.10
741004	993840.1	9690	8.00	-0.20
741001.8	993849.9	9700	9.16	-0.30
740999.5	993859.6	9710	9.25	-0.40
740997.3	993869.4	9720	9.67	-0.30
740995	993879.1	9730	9.64	-0.30
740992.8	993888.9	9740	10.13	-0.30
740990.5	993898.6	9750	10.89	-0.40
740988.3	993908.3	9760	11.29	-0.30
740986	993918.1	9770	11.26	-0.30
740983.8	993927.8	9780	11.26	-0.30
740981.5	993937.6	9790	10.80	-0.30
740979.3	993947.3	9800	10.68	-0.30
740977	993957.1	9810	11.02	-0.30
740974.8	993966.8	9820	10.53	-0.30

Easting	Northing	Station	Conduct.	In-Phase
740972.5	993976.6	9830	10.38	-0.30
740970.3	993986.3	9840	10.04	-0.30
740968	993996	9850	10.19	-0.40
740965.8	994005.8	9860	10.89	-0.30
740963.5	994015.5	9870	10.38	-0.30
740961.3	994025.3	9880	10.47	-0.30
740959	994035	9890	10.71	-0.30
740956.8	994044.8	9900	10.89	-0.30
740954.5	994054.5	9910	11.05	-0.30
740952.3	994064.3	9920	11.02	-0.30
740950	994074	9930	11.20	-0.20
740947.8	994083.7	9940	11.35	-0.30
740945.5	994093.4	9950	11.60	-0.40
740943.3	994103.2	9960	11.66	-0.30
740941	994112.9	9970	11.63	-0.40
740938.8	994122.7	9980	11.75	-0.40
740936.5	994132.4	9990	11.87	-0.40
740934.3	994142.2	10000	12.12	-0.40
LINE 1880				
740956.1	994144.4	10000	11.38	-0.30
740958.4	994134.7	9990	10.59	-0.30
740960.6	994124.9	9980	10.56	-0.30
740962.9	994115.3	9970	10.53	-0.30
740965.1	994105.5	9960	10.77	-0.30
740967.4	994095.8	9950	10.68	-0.30
740969.6	994086	9940	10.77	-0.30
740971.9	994076.3	9930	10.89	-0.30
740974.1	994066.5	9920	10.62	-0.20
740976.4	994056.8	9910	10.28	-0.30
740978.6	994047	9900	10.47	-0.10
740980.9	994037.3	9890	9.86	-0.50
740983.1	994027.5	9880	9.61	-0.40
740985.4	994017.8	9870	10.50	-0.40
740987.6	994008.1	9860	10.16	-0.40
740989.9	993998.3	9850	9.67	-0.20
740992.1	993988.6	9840	9.70	-0.40
740994.4	993978.8	9830	9.55	-0.30
740996.6	993969.1	9820	10.13	-0.40
740998.9	993959.3	9810	10.80	-0.30
741001.1	993949.6	9800	12.15	-0.40
741003.4	993939.8	9790	12.91	-0.50
741005.6	993930.1	9780	8.91	-0.20
741007.9	993920.4	9770	-0.40	0.00
741010.1	993910.6	9760	1.25	0.00
741012.4	993900.9	9750	9.09	-0.40
741014.6	993891.1	9740	6.41	-0.10
741016.9	993881.4	9730	8.82	-0.20
741019.1	993871.6	9720	8.94	-0.20
741021.4	993861.9	9710	9.55	-0.40
741023.6	993852.1	9700	8.85	-0.20
741025.9	993842.4	9690	8.66	-0.20
741028.1	993832.6	9680	8.76	-0.40
741030.4	993822.9	9670	8.94	-0.40
741032.6	993813.2	9660	8.73	-0.30
741034.9	993803.4	9650	8.76	-0.30
741037.1	993793.7	9640	8.79	-0.40
741039.4	993783.9	9630	8.70	-0.30
741041.6	993774.2	9620	8.54	-0.20
741043.9	993764.4	9610	8.39	-0.30
741046.1	993754.7	9600	8.66	-0.20
741048.4	993744.9	9590	8.64	-0.30
741050.6	993735.2	9580	8.54	-0.30
741052.9	993725.5	9570	8.97	-0.30
741055.1	993715.8	9560	8.97	-0.40
741057.4	993706	9550	9.31	-0.30
741059.6	993696.3	9540	10.38	-0.40
741061.9	993686.5	9530	11.78	-0.60
741064.1	993676.8	9520	15.53	-0.80
741066.4	993667	9510	13.67	-0.50
741068.6	993657.3	9500	11.20	-0.40
741070.9	993647.5	9490	9.37	-0.40
741073.1	993637.8	9480	9.31	-0.40
741075.4	993628.1	9470	7.66	0.00
741077.6	993618.3	9460	12.33	-0.60
741079.9	993608.6	9450	11.08	-0.50
741082.1	993598.8	9440	10.56	-0.40
741084.4	993589.1	9430	9.89	-0.40
741086.6	993579.3	9420	9.98	-0.50
741088.8	993569.6	9410	9.43	-0.40
741091.1	993559.8	9400	9.83	-0.30
741093.3	993550.1	9390	11.23	-0.50
741095.6	993540.3	9380	14.68	-0.70
741097.8	993530.6	9370	11.78	-0.40
741100.1	993520.9	9360	6.35	-0.20
741102.3	993511.1	9350	12.70	-0.60
741104.6	993501.4	9340	14.43	-0.70
741106.8	993491.6	9330	19.35	-0.80
741109.1	993481.9	9320	21.76	-0.80
741111.3	993472.1	9310	17.40	-0.70
741113.6	993462.4	9300	15.08	-0.60
741115.8	993452.6	9290	13.79	-0.50
741118.1	993442.9	9280	12.48	-0.40
741120.3	993433.2	9270	11.35	-0.60
741122.6	993423.4	9260	10.96	-0.50
741124.8	993413.7	9250	10.04	-0.40
741127.1	993403.9	9240	10.56	-0.30
741129.3	993394.2	9230	10.35	-0.40
741131.6	993384.4	9220	9.86	-0.40
741133.8	993374.7	9210	9.98	-0.50
741136.1	993364.9	9200	9.83	-0.40
741138.3	993355.2	9190	10.41	-0.40
741140.6	993345.5	9180	9.86	-0.50

Easting	Northing	Station	Conduct.	In-Phase
741142.8	993335.8	9170	9.58	-0.50
741145.1	993326	9160	9.70	-0.50
741147.3	993316.3	9150	9.70	-0.50
741149.6	993306.5	9140	9.80	-0.30
741151.8	993296.8	9130	9.86	-0.50
741154.1	993287	9120	9.61	-0.50
741156.3	993277.3	9110	9.83	-0.30
741158.6	993267.5	9100	9.70	-0.50
741160.8	993257.8	9090	9.34	-0.40
741163.1	993248.1	9080	9.64	-0.40
741165.3	993238.3	9070	9.58	-0.30
741167.6	993228.6	9060	9.55	-0.50
741169.8	993218.8	9050	9.31	-0.50
741172.1	993209.1	9040	9.55	-0.40
741174.3	993199.3	9030	9.80	-0.50
741176.6	993189.6	9020	9.74	-0.50
741178.8	993179.8	9010	9.64	-0.50
741181.1	993170.1	9000	10.04	-0.40
741183.3	993160.3	8990	9.86	-0.40
741185.6	993150.6	8980	9.98	-0.30
741187.8	993140.9	8970	9.92	-0.30
741190.1	993131.1	8960	10.16	-0.30
741192.3	993121.4	8950	10.93	-0.40
741194.6	993111.6	8940	10.07	-0.40
741196.8	993101.9	8930	10.65	-0.30
741199.1	993092.1	8920	11.14	-0.10
741201.3	993082.4	8910	11.02	-0.60
741203.6	993072.6	8900	11.20	-0.50
741205.8	993062.9	8890	11.87	-0.60
741208.1	993053.2	8880	12.39	-0.50
741210.3	993043.4	8870	13.03	-0.50
741212.6	993033.7	8860	10.13	-0.50
741214.8	993023.9	8850	9.58	-0.30
741217.1	993014.2	8840	9.95	-0.40
741219.3	993004.4	8830	10.13	-0.50
741221.6	992994.7	8820	12.94	-0.60
741223.8	992984.9	8810	13.98	-0.70
741226.1	992975.2	8800	16.39	-0.80
741228.3	992965.4	8790	16.48	-0.70
741230.6	992955.8	8780	15.99	-0.60
741232.8	992946	8770	13.24	-0.50
741235.1	992936.3	8760	8.79	-0.30
741237.3	992926.5	8750	10.96	-0.50
741239.6	992916.8	8740	20.48	-0.80
741241.8	992907	8730	30.06	-0.60
741244.1	992897.3	8720	-4.70	-0.40
741246.3	992887.5	8710	-8.00	-0.40
741248.6	992877.8	8700	11.17	-0.50
741250.8	992868	8690	24.93	-0.40
741253.1	992858.3	8680	18.07	-0.60
741255.3	992848.6	8670	12.88	-0.50

Easting	Northing	Station	Conduct.	In-Phase
741257.6	992838.8	8660	9.43	-0.40
741259.8	992829.1	8650	9.70	-0.40
741262.1	992819.3	8640	9.46	-0.50
741264.3	992809.6	8630	10.93	-0.80
741266.6	992799.8	8620	12.08	-0.10
741268.8	992790.1	8610	10.10	0.00
741271.1	992780.3	8600	4.52	-0.30
741273.3	992770.6	8590	10.44	-0.40
741275.6	992760.9	8580	11.63	0.00
741277.8	992751.1	8570	8.12	-0.30
741280.1	992741.4	8560	11.35	0.00
741282.3	992731.6	8550	10.07	-0.40
LINE 1900				
741304.2	992733.8	8550	10.28	-0.40
741301.9	992743.6	8560	11.02	-0.20
741299.7	992753.3	8570	11.51	-0.30
741297.4	992763	8580	13.67	-0.40
741295.2	992772.8	8590	12.27	-0.30
741292.9	992782.5	8600	9.19	-0.40
741290.7	992792.3	8610	9.25	-0.30
741288.4	992802	8620	11.87	-0.50
741286.2	992811.8	8630	9.61	-0.10
741283.9	992821.5	8640	9.83	0.00
741281.7	992831.3	8650	10.13	-0.50
741279.4	992841	8660	11.32	-0.50
741277.2	992850.7	8670	15.14	-0.10
741274.9	992860.4	8680	9.06	-0.40
741272.7	992870.2	8690	2.78	-0.20
741270.4	992879.9	8700	-8.24	-0.20
741268.2	992889.7	8710	-3.69	-0.40
741265.9	992899.4	8720	29.36	-0.40
741263.7	992909.2	8730	32.96	-0.40
741261.4	992918.9	8740	27.56	-0.30
741259.2	992928.7	8750	21.27	0.00
741256.9	992938.4	8760	18.37	-0.50
741254.7	992948.1	8770	16.78	-0.50
741252.4	992957.9	8780	15.66	-0.50
741250.2	992967.6	8790	13.34	-0.40
741247.9	992977.4	8800	9.80	-0.20
741245.7	992987.1	8810	15.87	0.00
741243.4	992996.9	8820	16.42	-0.10
741241.2	993006.6	8830	13.52	-0.50
741238.9	993016.4	8840	11.26	-0.40
741236.7	993026.1	8850	10.22	-0.30
741234.4	993035.9	8860	10.53	-0.30
741232.2	993045.6	8870	12.08	-0.50
741229.9	993055.3	8880	13.92	-0.50
741227.7	993065.1	8890	17.91	0.00
741225.4	993074.8	8900	19.62	0.00
741223.2	993084.6	8910	17.03	0.00
741220.9	993094.3	8920	15.87	-0.50

Easting	Northing	Station	Conduct.	In-Phase
741218.7	993104.1	8930	15.53	-0.40
741216.4	993113.8	8940	14.68	-0.40
741214.2	993123.6	8950	14.95	-0.40
741211.9	993133.3	8960	19.07	0.00
741209.7	993143	8970	18.59	-0.40
741207.4	993152.8	8980	13.31	-0.40
741205.2	993162.5	8990	13.73	-0.50
741202.9	993172.3	9000	13.06	-0.40
741200.7	993182	9010	12.36	-0.50
741198.4	993191.8	9020	11.54	-0.40
741196.2	993201.5	9030	10.53	-0.40
741193.9	993211.3	9040	10.28	-0.30
741191.7	993221	9050	10.07	-0.40
741189.4	993230.8	9060	10.22	-0.40
741187.2	993240.4	9070	10.04	-0.30
741184.9	993250.2	9080	10.31	-0.30
741182.7	993259.9	9090	10.25	-0.30
741180.4	993269.7	9100	10.35	-0.30
741178.2	993279.4	9110	10.07	-0.30
741175.9	993289.2	9120	10.59	-0.30
741173.7	993298.9	9130	10.19	-0.30
741171.4	993308.7	9140	10.22	-0.30
741169.2	993318.4	9150	10.38	-0.40
741166.9	993328.2	9160	9.95	-0.30
741164.7	993337.9	9170	10.56	-0.30
741162.4	993347.6	9180	10.44	-0.30
741160.2	993357.4	9190	9.70	-0.30
741157.9	993367.1	9200	9.98	-0.30
741155.7	993376.9	9210	9.80	-0.40
741153.4	993386.6	9220	9.80	-0.10
741151.2	993396.4	9230	10.28	-0.40
741148.9	993406.1	9240	10.77	-0.40
741146.7	993415.9	9250	12.27	-0.40
741144.4	993425.6	9260	10.96	-0.30
741142.2	993435.3	9270	13.76	0.00
741139.9	993445.1	9280	14.43	-0.40
741137.7	993454.8	9290	9.46	-0.40
741135.4	993464.6	9300	19.50	-0.30
741133.2	993474.3	9310	25.05	-0.60
741130.9	993484.1	9320	10.31	-0.50
741128.7	993493.8	9330	3.20	-0.30
741126.4	993503.6	9340	9.89	-0.40
741124.2	993513.3	9350	10.80	-0.40
741121.9	993523.1	9360	10.22	-0.40
741119.7	993532.8	9370	10.10	-0.40
741117.4	993542.5	9380	10.07	-0.40
741115.2	993552.3	9390	10.13	-0.40
741112.9	993562	9400	10.04	-0.40
741110.7	993571.8	9410	9.77	-0.40
741108.4	993581.5	9420	9.98	-0.40
741106.2	993591.3	9430	10.59	-0.40
741103.9	993601	9440	11.51	-0.50
741101.7	993610.8	9450	11.17	-0.50
741099.4	993620.5	9460	7.35	-0.20
741097.2	993630.2	9470	1.10	-0.30
741094.9	993639.9	9480	16.91	-0.20
741092.7	993649.7	9490	19.93	-0.30
741090.4	993659.4	9500	10.77	-0.30
741088.3	993669.2	9510	8.00	-0.20
741086	993678.9	9520	10.62	-0.40
741083.8	993688.7	9530	9.28	-0.20
741081.5	993698.4	9540	9.28	-0.40
741079.3	993708.2	9550	9.58	-0.30
741077	993717.9	9560	8.94	-0.20
741074.8	993727.6	9570	9.37	-0.40
741072.5	993737.4	9580	8.88	-0.30
741070.3	993747.1	9590	8.91	-0.30
741068	993756.9	9600	9.61	-0.30
741065.8	993766.6	9610	8.91	-0.30
741063.5	993776.4	9620	8.54	-0.30
741061.3	993786.1	9630	8.70	-0.30
741059	993795.9	9640	8.94	-0.30
741056.8	993805.6	9650	8.97	-0.30
741054.5	993815.3	9660	8.79	-0.30
741052.3	993825.1	9670	8.94	-0.40
741050	993834.8	9680	8.61	-0.40
741047.8	993844.6	9690	8.64	-0.30
741045.5	993854.3	9700	8.30	-0.40
741043.3	993864.1	9710	8.51	-0.40
741041	993873.8	9720	8.54	-0.50
741038.8	993883.6	9730	8.54	-0.40
741036.5	993893.3	9740	8.76	-0.50
741034.3	993903.1	9750	8.48	-0.50
741032	993912.8	9760	8.79	-0.50
741029.8	993922.5	9770	8.85	-0.40
741027.5	993932.3	9780	8.91	-0.40
741025.3	993942	9790	8.88	-0.40
741023	993951.8	9800	8.73	-0.40
741020.8	993961.5	9810	9.16	-0.40
741018.5	993971.3	9820	9.40	-0.40
741016.3	993981	9830	9.55	-0.30
741014	993990.8	9840	9.12	-0.30
741011.8	994000.5	9850	9.89	-0.30
741009.5	994010.2	9860	9.83	-0.40
741007.3	994019.9	9870	10.35	-0.50
741005	994029.7	9880	10.19	-0.30
741002.8	994039.4	9890	10.47	-0.40
741000.5	994049.2	9900	10.56	-0.30
740998.3	994058.9	9910	10.56	-0.40
740996	994068.7	9920	10.59	-0.40
740993.8	994078.4	9930	10.71	-0.40
740991.5	994088.2	9940	10.53	-0.50

Easting	Northing	Station	Conduct.	In-Phase
740989.3	994097.9	9950	10.53	-0.40
740987	994107.6	9960	10.35	-0.40
740984.8	994117.4	9970	10.07	-0.40
740982.5	994127.1	9980	9.70	-0.50
740980.3	994136.9	9990	9.86	-0.40
740978	994146.6	10000	8.48	-0.40
LINE 1920				
740999.8	994148.9	10000	9.64	-0.40
741002.1	994139.2	9990	9.31	-0.30
741004.3	994129.4	9980	9.40	-0.30
741006.6	994119.7	9970	9.80	-0.40
741008.8	994109.9	9960	9.86	-0.40
741011.1	994100.2	9950	10.38	-0.30
741013.3	994090.4	9940	10.47	-0.30
741015.6	994080.7	9930	10.53	-0.40
741017.8	994070.9	9920	10.71	-0.30
741020.1	994061.2	9910	10.74	-0.30
741022.3	994051.4	9900	10.74	-0.30
741024.6	994041.8	9890	10.74	-0.40
741026.8	994032	9880	10.93	-0.30
741029.1	994022.3	9870	10.22	-0.40
741031.3	994012.5	9860	10.28	-0.30
741033.6	994002.8	9850	10.07	-0.10
741035.8	993993	9840	9.61	-0.20
741038.1	993983.3	9830	9.22	-0.10
741040.3	993973.5	9820	9.12	-0.30
741042.6	993963.8	9810	8.79	-0.30
741044.8	993954	9800	8.66	-0.30
741047.1	993944.3	9790	8.88	-0.30
741049.3	993934.6	9780	8.85	-0.20
741051.6	993924.8	9770	9.03	-0.40
741053.8	993915.1	9760	9.61	-0.50
741056.1	993905.3	9750	10.68	-0.40
741058.3	993895.6	9740	10.62	-0.50
741060.6	993885.8	9730	9.28	-0.30
741062.8	993876.1	9720	8.36	-0.30
741065.1	993866.3	9710	8.61	-0.30
741067.3	993856.6	9700	8.48	-0.20
741069.6	993846.9	9690	8.70	-0.40
741071.8	993837.1	9680	8.64	-0.40
741074.1	993827.4	9670	8.88	-0.30
741076.3	993817.6	9660	9.06	-0.30
741078.6	993807.9	9650	9.03	-0.10
741080.8	993798.1	9640	9.55	-0.10
741083.1	993788.4	9630	9.09	-0.20
741085.3	993778.6	9620	9.67	-0.10
741087.6	993768.9	9610	9.55	-0.20
741089.8	993759.1	9600	9.25	-0.30
741092.1	993749.4	9590	9.55	-0.40
741094.3	993739.7	9580	9.70	-0.20
741096.6	993729.9	9570	10.77	-0.30

Easting	Northing	Station	Conduct.	In-Phase
741098.8	993720.2	9560	9.92	-0.20
741101.1	993710.4	9550	9.16	-0.20
741103.3	993700.7	9540	9.28	-0.30
741105.6	993690.9	9530	9.58	-0.30
741107.8	993681.2	9520	9.40	-0.10
741110.1	993671.4	9510	8.94	-0.20
741112.3	993661.7	9500	9.77	-0.30
741114.6	993652	9490	12.94	-0.50
741116.8	993642.3	9480	13.03	-0.40
741119.1	993632.5	9470	12.88	-0.50
741121.3	993622.8	9460	10.62	-0.50
741123.6	993613	9450	11.23	-0.40
741125.8	993603.3	9440	10.04	-0.20
741128.1	993593.5	9430	10.16	-0.40
741130.3	993583.8	9420	10.25	-0.30
741132.6	993574	9410	9.95	-0.30
741134.8	993564.3	9400	10.10	-0.40
741137.1	993554.6	9390	9.86	-0.30
741139.3	993544.8	9380	9.95	-0.40
741141.6	993535.1	9370	10.22	-0.20
741143.8	993525.3	9360	10.01	-0.40
741146.1	993515.6	9350	10.22	-0.40
741148.3	993505.8	9340	10.44	-0.70
741150.6	993496.1	9330	11.63	-0.30
741152.8	993486.3	9320	11.72	-0.40
741155.1	993476.6	9310	15.20	0.00
741157.3	993466.8	9300	18.28	-0.60
741159.6	993457.1	9290	4.85	-0.40
741161.8	993447.4	9280	3.11	-0.30
741164.1	993437.6	9270	22.64	-0.30
741166.3	993427.9	9260	21.36	-0.20
741168.6	993418.1	9250	12.33	-0.40
741170.8	993408.4	9240	9.86	-0.30
741173.1	993398.6	9230	10.35	-0.20
741175.3	993388.9	9220	9.25	-0.30
741177.6	993379.1	9210	9.46	-0.20
741179.8	993369.4	9200	9.[illegible]	-0.30
741182.1	993359.7	9190	9.85	-0.10
741184.3	993349.9	9180	9.89	-0.30
741186.6	993340.2	9170	9.86	-0.30
741188.8	993330.4	9160	10.07	-0.20
741191.1	993320.7	9150	10.38	-0.10
741193.3	993310.9	9140	10.25	-0.30
741195.6	993301.2	9130	10.19	-0.20
741197.8	993291.4	9120	10.13	-0.30
741200.1	993281.7	9110	9.98	-0.30
741202.3	993272	9100	10.28	-0.30
741204.6	993262.3	9090	9.95	-0.40
741206.8	993252.5	9080	10.47	-0.20
741209.1	993242.8	9070	10.74	-0.40
741211.3	993233	9060	11.57	-0.30

Easting	Northing	Station	Conduct.	In-Phase
741213.6	993223.3	9050	11.84	-0.40
741215.8	993213.5	9040	12.91	-0.40
741218.1	993203.8	9030	15.20	-0.40
741220.3	993194	9020	0.76	-0.20
741222.6	993184.3	9010	17.24	-0.30
741224.8	993174.6	9000	34.58	-0.40
741227.1	993164.8	8990	32.20	-0.10
741229.3	993155.1	8980	35.46	-0.10
741231.6	993145.3	8970	36.93	-0.10
741233.8	993135.6	8960	45.78	-0.40
741236.1	993125.8	8950	44.95	-0.50
741238.3	993116.1	8940	19.74	-0.40
741240.6	993106.3	8930	28.41	-0.20
741242.8	993096.6	8920	44.68	-0.10
741245.1	993086.8	8910	39.58	-0.20
741247.3	993077.1	8900	0.73	-0.40
741249.6	993067.4	8890	-2.23	-0.30
741251.8	993057.6	8880	20.05	-0.50
741254.1	993047.9	8870	17.27	-0.50
741256.3	993038.1	8860	12.60	-0.30
741258.6	993028.4	8850	8.45	-0.40
741260.8	993018.6	8840	10.04	-0.10
741263.1	993008.9	8830	9.80	-0.20
741265.3	992999.1	8820	13.15	-0.30
741267.6	992989.4	8810	20.05	-0.20
741269.8	992979.7	8800	21.51	-0.10
741272.1	992969.9	8790	16.30	-0.40
741274.3	992960.2	8780	11.54	-0.20
741276.6	992950.4	8770	-5.80	-0.20
741278.8	992940.7	8760	28.53	-0.30
741281	992930.9	8750	39.73	-0.50
741283.3	992921.2	8740	32.87	-0.30
741285.5	992911.4	8730	24.35	-0.10
741287.8	992901.7	8720	15.69	-0.40
741290	992891.9	8710	15.08	-0.30
741292.3	992882.3	8700	14.16	-0.30
741294.5	992872.5	8690	10.77	-0.10
741296.8	992862.8	8680	11.47	-0.10
741299	992853	8670	12.15	0.00
741301.3	992843.3	8660	11.66	0.00
741303.5	992833.5	8650	10.35	0.00
741305.8	992823.8	8640	10.19	0.00
741308	992814	8630	9.49	-0.10
741310.3	992804.3	8620	10.31	-0.30
741312.5	992794.5	8610	9.70	-0.30
741314.8	992784.8	8600	10.16	-0.30
741317	992775.1	8590	12.36	-0.40
741319.3	992765.3	8580	17.40	-0.20
741321.5	992755.6	8570	6.62	0.00
741323.8	992745.8	8560	10.56	-0.20

Easting	Northing	Station	Conduct.	In-Phase
741326	992736.1	8550	10.22	-0.20
741328.3	992726.3	8540	9.67	-0.20
LINE 1940				
741350.1	992728.6	8540	9.55	-0.20
741347.9	992738.3	8550	10.16	-0.20
741345.6	992748.1	8560	10.04	-0.30
741343.4	992757.8	8570	10.56	-0.10
741341.1	992767.6	8580	11.20	-0.30
741338.9	992777.3	8590	12.02	-0.20
741336.6	992787.1	8600	9.37	-0.60
741334.4	992796.8	8610	9.34	-0.50
741332.1	992806.6	8620	10.93	-0.10
741329.9	992816.3	8630	9.31	0.00
741327.6	992826.1	8640	10.01	0.00
741325.4	992835.8	8650	9.61	-0.10
741323.1	992845.5	8660	7.78	-0.20
741320.9	992855.3	8670	7.48	-0.30
741318.6	992865	8680	12.54	-0.50
741316.4	992874.8	8690	12.15	-0.20
741314.1	992884.5	8700	15.14	-0.30
741311.9	992894.3	8710	13.76	-0.60
741309.6	992904	8720	14.71	-0.40
741307.4	992913.8	8730	14.07	-0.60
741305.1	992923.5	8740	16.91	-0.50
741302.9	992933.2	8750	20.60	-0.40
741300.6	992942.9	8760	20.39	-0.60
741298.4	992952.7	8770	19.56	-0.50
741296.1	992962.4	8780	16.60	-0.40
741293.9	992972.2	8790	12.42	-0.20
741291.6	992981.9	8800	17.30	0.00
741289.4	992991.7	8810	15.66	-0.50
741287.1	993001.4	8820	4.67	-0.10
741284.9	993011.2	8830	10.71	-0.30
741282.6	993020.9	8840	10.07	-0.20
741280.4	993030.6	8850	10.38	-0.40
741278.1	993040.4	8860	12.36	-0.30
741275.9	993050.1	8870	14.31	-0.40
741273.6	993059.9	8880	12.94	-0.20
741271.4	993069.6	8890	13.55	-0.50
741269.1	993079.4	8900	14.95	-0.40
741266.9	993089.1	8910	13.03	-0.20
741264.6	993098.9	8920	16.54	-0.20
741262.4	993108.6	8930	22.31	-0.20
741260.1	993118.3	8940	28.69	-0.40
741257.9	993128.1	8950	42.24	0.00
741255.6	993137.8	8960	55.97	0.00
741253.4	993147.6	8970	59.63	-0.60
741251.1	993157.3	8980	32.29	-0.50
741248.9	993167.1	8990	-8.88	-0.20
741246.6	993176.8	9000	44.71	0.00
741244.4	993186.6	9010	63.42	-0.30

Easting	Northing	Station	Conduct.	In-Phase
741242.1	993196.3	9020	16.94	-0.50
741239.9	993206.1	9030	15.96	-0.50
741237.6	993215.8	9040	27.56	0.00
741235.4	993225.5	9050	25.60	-0.60
741233.1	993235.3	9060	15.66	-0.50
741230.9	993245	9070	10.38	-0.20
741228.6	993254.8	9080	13.09	-0.60
741226.4	993264.5	9090	11.14	-0.60
741224.1	993274.3	9100	10.83	-0.40
741221.9	993284	9110	10.47	-0.30
741219.6	993293.8	9120	10.35	-0.50
741217.4	993303.5	9130	10.28	-0.70
741215.1	993313.2	9140	10.62	-0.70
741212.9	993322.9	9150	9.98	-0.60
741210.6	993332.7	9160	10.19	-0.50
741208.4	993342.4	9170	10.31	0.00
741206.1	993352.2	9180	10.10	-0.60
741203.9	993361.9	9190	9.61	0.00
741201.6	993371.7	9200	9.49	-0.70
741199.4	993381.4	9210	9.16	-0.30
741197.1	993391.2	9220	9.58	-0.40
741194.9	993400.9	9230	9.89	-0.20
741192.6	993410.6	9240	9.16	-0.50
741190.4	993420.4	9250	10.35	0.00
741188.1	993430.1	9260	8.97	-0.70
741185.9	993439.9	9270	2.72	-0.20
741183.6	993449.6	9280	20.51	-0.10
741181.4	993459.4	9290	20.75	-0.10
741179.1	993469.1	9300	18.16	-0.40
741176.9	993478.9	9310	15.62	-0.20
741174.7	993488.6	9320	12.73	0.00
741172.4	993498.4	9330	11.93	-0.10
741170.2	993508.1	9340	12.57	0.00
741167.9	993517.8	9350	8.94	-0.40
741165.7	993527.6	9360	15.29	-0.10
741163.4	993537.3	9370	13.06	-0.30
741161.2	993547.1	9380	11.14	0.00
741158.9	993556.8	9390	10.71	0.00
741156.7	993566.6	9400	9.80	-0.10
741154.4	993576.3	9410	10.01	-0.20
741152.2	993586.1	9420	9.92	-0.20
741149.9	993595.8	9430	9.86	-0.30
741147.7	993605.5	9440	9.95	-0.20
741145.4	993615.3	9450	10.35	-0.30
741143.2	993625	9460	13.52	-0.40
741140.9	993634.8	9470	10.86	-0.30
741138.7	993644.5	9480	10.44	-0.20
741136.4	993654.3	9490	10.28	-0.10
741134.2	993664	9500	10.13	-0.30
741131.9	993673.8	9510	8.64	-0.10
741129.7	993683.5	9520	6.87	0.00

Easting	Northing	Station	Conduct.	In-Phase
741127.4	993693.3	9530	9.34	0.00
741125.2	993702.9	9540	9.95	-0.10
741122.9	993712.7	9550	9.92	-0.10
741120.7	993722.4	9560	9.55	-0.10
741118.4	993732.2	9570	9.80	-0.10
741116.2	993741.9	9580	10.28	0.00
741113.9	993751.7	9590	10.47	-0.20
741111.7	993761.4	9600	10.53	-0.20
741109.4	993771.2	9610	10.35	-0.20
741107.2	993780.9	9620	10.65	0.00
741104.9	993790.7	9630	10.31	-0.30
741102.7	993800.4	9640	10.35	-0.20
741100.4	993810.1	9650	10.31	-0.10
741098.2	993819.9	9660	10.65	-0.20
741095.9	993829.6	9670	9.74	-0.20
741093.7	993839.4	9680	9.64	-0.30
741091.4	993849.1	9690	9.37	-0.20
741089.2	993858.9	9700	9.43	-0.10
741086.9	993868.6	9710	8.91	-0.30
741084.7	993878.4	9720	8.94	0.00
741082.4	993888.1	9730	8.94	-0.70
741080.2	993897.8	9740	9.31	-0.30
741077.9	993907.6	9750	9.77	-0.20
741075.7	993917.3	9760	10.80	-0.30
741073.4	993927.1	9770	10.50	-0.20
741071.2	993936.8	9780	6.96	-0.10
741068.9	993946.6	9790	10.44	-0.30
741066.7	993956.3	9800	9.37	-0.40
741064.4	993966.1	9810	9.49	-0.30
741062.2	993975.8	9820	9.43	-0.20
741059.9	993985.6	9830	9.46	-0.10
741057.7	993995.3	9840	9.83	-0.30
741055.4	994005	9850	10.19	-0.30
741053.2	994014.8	9860	10.71	-0.40
741050.9	994024.5	9870	10.96	-0.20
741048.7	994034.3	9880	10.68	-0.20
741046.4	994044	9890	10.86	-0.40
741044.2	994053.8	9900	11.20	-0.40
741041.9	994063.5	9910	11.08	-0.20
741039.7	994073.3	9920	11.08	-0.10
741037.4	994083	9930	10.44	-0.40
741035.2	994092.7	9940	10.41	-0.30
741032.9	994102.4	9950	10.25	-0.30
741030.7	994112.2	9960	10.04	-0.40
741028.4	994121.9	9970	9.58	-0.20
741026.2	994131.7	9980	9.92	-0.40
741023.9	994141.4	9990	9.64	-0.40
741021.7	994151.2	10000	9.92	-0.10
LINE 1960				
741043.6	994153.4	10000	9.95	-0.30
741045.8	994143.7	9990	10.13	-0.40

Easting	Northing	Station	Conduct.	In-Phase	Easting	Northing	Station	Conduct.	In-Phase
741048.1	994133.9	9980	10.25	-0.30	741162.8	993637.1	9470	12.45	-0.20
741050.3	994124.2	9970	10.47	-0.30	741165	993627.3	9460	14.10	0.00
741052.6	994114.5	9960	10.13	-0.40	741167.3	993617.6	9450	13.89	-0.40
741054.8	994104.8	9950	10.77	-0.30	741169.5	993607.8	9440	15.38	-0.30
741057.1	994095	9940	10.41	-0.10	741171.8	993598.1	9430	12.27	-0.40
741059.3	994085.3	9930	11.02	-0.10	741174	993588.3	9420	10.35	-0.20
741061.6	994075.5	9920	11.11	-0.40	741176.3	993578.6	9410	9.03	-0.10
741063.8	994065.8	9910	10.99	-0.10	741178.5	993568.8	9400	10.22	-0.30
741066.1	994056	9900	11.44	-0.10	741180.8	993559.1	9390	9.92	-0.30
741068.3	994046.3	9890	11.23	-0.20	741183	993549.3	9380	15.90	0.00
741070.6	994036.5	9880	11.17	-0.40	741185.3	993539.6	9370	16.08	0.00
741072.8	994026.8	9870	11.17	-0.10	741187.5	993529.9	9360	13.43	-0.30
741075.1	994017.1	9860	10.68	-0.40	741189.8	993520.1	9350	14.47	-0.40
741077.3	994007.3	9850	10.74	-0.40	741192	993510.4	9340	12.60	-0.40
741079.5	993997.6	9840	10.16	-0.30	741194.3	993500.6	9330	10.96	-0.30
741081.8	993987.8	9830	9.83	-0.30	741196.5	993490.9	9320	21.21	-0.30
741084	993978.1	9820	9.09	-0.40	741198.8	993481.1	9310	29.66	-0.70
741086.3	993968.3	9810	9.16	-0.30	741201	993471.4	9300	22.28	-0.20
741088.5	993958.6	9800	8.70	-0.30	741203.3	993461.6	9290	14.80	0.00
741090.8	993948.8	9790	8.82	-0.40	741205.5	993451.9	9280	10.77	-0.20
741093	993939.1	9780	8.97	-0.10	741207.8	993442.2	9270	11.32	-0.30
741095.3	993929.3	9770	10.25	-0.40	741210	993432.4	9260	13.00	-0.20
741097.5	993919.6	9760	10.77	-0.20	741212.3	993422.7	9250	10.99	-0.30
741099.8	993909.9	9750	9.46	-0.10	741214.5	993412.9	9240	9.58	-0.40
741102	993900.1	9740	8.76	-0.10	741216.8	993403.2	9230	9.61	-0.10
741104.3	993890.4	9730	8.42	-0.10	741219	993393.4	9220	9.34	-0.10
741106.5	993880.6	9720	8.39	-0.10	741221.3	993383.7	9210	9.19	-0.30
741108.8	993870.9	9710	8.79	-0.40	741223.5	993373.9	9200	9.92	-0.10
741111	993861.1	9700	9.06	-0.20	741225.8	993364.2	9190	10.68	-0.10
741113.3	993851.4	9690	9.80	-0.20	741228	993354.4	9180	13.55	-0.40
741115.5	993841.6	9680	9.77	-0.40	741230.3	993344.8	9170	6.35	-0.10
741117.8	993831.9	9670	9.83	-0.20	741232.5	993335	9160	10.07	-0.10
741120	993822.2	9660	10.16	-0.20	741234.8	993325.3	9150	10.01	-0.30
741122.3	993812.4	9650	10.50	-0.30	741237	993315.5	9140	10.77	-0.30
741124.5	993802.7	9640	10.89	-0.10	741239.3	993305.8	9130	10.59	-0.30
741126.8	993792.9	9630	10.56	-0.20	741241.5	993296	9120	11.57	-0.40
741129	993783.2	9620	10.65	-0.30	741243.8	993286.3	9110	16.57	-0.20
741131.3	993773.4	9610	10.25	-0.20	741246	993276.5	9100	17.58	-0.20
741133.5	993763.7	9600	10.56	-0.20	741248.3	993266.8	9090	-8.12	-0.60
741135.8	993753.9	9590	10.22	-0.10	741250.5	993257	9080	-4.94	0.00
741138	993744.2	9580	9.83	-0.10	741252.8	993247.3	9070	5.10	-0.10
741140.3	993734.5	9570	9.83	-0.20	741255	993237.6	9060	3.27	-0.10
741142.5	993724.8	9560	10.19	-0.40	741257.3	993227.8	9050	16.51	-0.40
741144.8	993715	9550	9.49	-0.20	741259.5	993218.1	9040	37.81	-0.10
741147	993705.3	9540	10.01	-0.40	741261.8	993208.3	9030	36.65	-0.50
741149.3	993695.5	9530	10.65	-0.10	741264	993198.6	9020	24.29	-0.30
741151.5	993685.8	9520	11.63	-0.20	741266.3	993188.8	9010	23.50	-0.30
741153.8	993676	9510	13.76	-0.40	741268.5	993179.1	9000	21.70	-0.20
741156	993666.3	9500	17.94	-0.10	741270.8	993169.3	8990	20.54	-0.20
741158.3	993656.5	9490	9.67	-0.20	741273	993159.6	8980	18.52	-0.40
741160.5	993646.8	9480	10.74	-0.10	741275.3	993149.9	8970	22.43	-0.40

Easting	Northing	Station	Conduct.	In-Phase
741277.5	993140.1	8960	42.54	-0.30
741279.8	993130.4	8950	47.82	-0.30
741282	993120.6	8940	30.67	-0.40
741284.3	993110.9	8930	38.64	0.00
741286.5	993101.1	8920	30.33	-0.50
741288.8	993091.4	8910	19.04	-0.50
741291	993081.6	8900	16.27	-0.20
741293.3	993071.9	8890	19.26	-0.20
741295.5	993062.1	8880	21.79	-0.40
741297.8	993052.4	8870	21.58	0.00
741300	993042.7	8860	10.31	-0.10
741302.3	993032.9	8850	12.33	-0.30
741304.5	993023.2	8840	11.05	-0.10
741306.8	993013.4	8830	11.54	-0.10
741309	993003.7	8820	12.73	-0.10
741311.3	992993.9	8810	18.46	-0.50
741313.5	992984.2	8800	22.49	0.00
741315.8	992974.4	8790	31.56	-0.10
741318	992964.7	8780	27.62	0.00
741320.3	992955	8770	-5.28	-0.30
741322.5	992945.3	8760	18.01	-0.40
741324.8	992935.5	8750	29.72	-0.20
741327	992925.8	8740	26.58	-0.50
741329.3	992916	8730	17.76	-0.20
741331.5	992906.3	8720	13.73	-0.20
741333.8	992896.5	8710	21.82	0.00
741336	992886.8	8700	18.52	0.00
741338.3	992877	8690	13.64	-0.30
741340.5	992867.3	8680	12.42	-0.20
741342.8	992857.6	8670	12.76	-0.40
741345	992847.8	8660	13.03	-0.50
741347.3	992838.1	8650	11.90	-0.30
741349.5	992828.3	8640	10.80	-0.30
741351.8	992818.6	8630	9.95	-0.20
741354	992808.8	8620	9.52	-0.40
741356.3	992799.1	8610	9.83	-0.20
741358.5	992789.3	8600	9.58	-0.20
741360.8	992779.6	8590	10.80	-0.20
741363	992769.8	8580	11.75	-0.20
741365.3	992760.1	8570	11.20	-0.20
741367.4	992750.4	8560	10.25	-0.20
741369.7	992740.6	8550	6.50	0.00
741371.9	992730.9	8540	7.39	-0.20
LINE 1980				
741393.8	992733.1	8540	10.50	-0.10
741391.6	992742.8	8550	10.50	-0.30
741389.3	992752.5	8560	10.62	-0.40
741387.1	992762.3	8570	10.74	-0.30
741384.8	992772	8580	11.78	-0.40
741382.6	992781.8	8590	12.85	-0.40
741380.3	992791.5	8600	9.40	-0.10
741378.1	992801.3	8610	9.80	-0.40
741375.8	992811	8620	11.90	-0.10
741373.6	992820.8	8630	10.01	-0.10
741371.3	992830.5	8640	10.19	-0.10
741369.1	992840.3	8650	9.77	-0.40
741366.9	992849.9	8660	10.96	-0.10
741364.6	992859.7	8670	12.33	-0.10
741362.4	992869.4	8680	7.51	-0.40
741360.1	992879.2	8690	27.37	-0.10
741357.9	992888.9	8700	24.35	-0.50
741355.6	992898.7	8710	18.46	-0.30
741353.4	992908.4	8720	5.98	-0.30
741351.1	992918.2	8730	1.34	-0.30
741348.9	992927.9	8740	16.85	-0.20
741346.6	992937.7	8750	32.90	-0.50
741344.4	992947.4	8760	35.77	0.00
741342.1	992957.1	8770	34.58	-0.10
741339.9	992966.9	8780	30.21	-0.50
741337.6	992976.6	8790	25.39	-0.50
741335.4	992986.4	8800	21.94	-0.50
741333.1	992996.1	8810	18.77	-0.40
741330.9	993005.9	8820	17.64	-0.20
741328.6	993015.6	8830	13.73	-0.20
741326.4	993025.4	8840	14.34	-0.20
741324.1	993035.1	8850	1.80	-0.20
741321.9	993044.8	8860	21.94	0.00
741319.6	993054.6	8870	20.36	-0.40
741317.4	993064.3	8880	22.83	-0.40
741315.1	993074.1	8890	22.19	0.00
741312.9	993083.8	8900	17.91	-0.30
741310.6	993093.6	8910	13.37	-0.40
741308.4	993103.3	8920	12.60	-0.10
741306.1	993113.1	8930	17.73	-0.30
741303.9	993122.8	8940	23.96	-0.40
741301.6	993132.6	8950	23.10	-0.40
741299.4	993142.3	8960	22.49	-0.40
741297.1	993152	8970	21.30	-0.10
741294.9	993161.8	8980	24.23	-0.10
741292.6	993171.5	8990	31.95	-0.40
741290.4	993181.3	9000	31.59	-0.50
741288.1	993191	9010	36.90	-0.50
741285.9	993200.8	9020	17.36	-0.50
741283.6	993210.5	9030	-4.43	-0.70
741281.4	993220.3	9040	17.52	-0.30
741279.1	993230	9050	20.97	-0.40
741276.9	993239.7	9060	13.76	-0.30
741274.6	993249.4	9070	9.83	-0.40
741272.4	993259.2	9080	11.26	-0.20
741270.1	993268.9	9090	10.65	-0.40
741267.9	993278.7	9100	12.88	-0.30
741265.6	993288.4	9110	13.00	-0.40

Easting	Northing	Station	Conduct.	In-Phase
741263.4	993298.2	9120	12.85	-0.10
741261.1	993307.9	9130	9.98	-0.10
741258.9	993317.7	9140	9.80	-0.20
741256.6	993327.4	9150	9.92	-0.40
741254.4	993337.1	9160	9.06	-0.30
741252.1	993346.9	9170	9.70	-0.10
741249.9	993356.6	9180	9.16	-0.10
741247.6	993366.4	9190	9.40	-0.10
741245.4	993376.1	9200	9.34	-0.20
741243.1	993385.9	9210	9.00	-0.10
741240.9	993395.6	9220	9.03	-0.40
741238.6	993405.4	9230	9.25	-0.30
741236.4	993415.1	9240	9.22	-0.10
741234.1	993424.9	9250	9.43	-0.20
741231.9	993434.6	9260	8.58	-0.10
741229.6	993444.3	9270	9.12	-0.20
741227.4	993454.1	9280	9.55	-0.40
741225.1	993463.8	9290	9.46	-0.10
741222.9	993473.6	9300	9.98	-0.30
741220.6	993483.3	9310	10.35	-0.30
741218.4	993493.1	9320	10.47	-0.40
741216.1	993502.8	9330	11.44	-0.30
741213.9	993512.6	9340	15.11	-0.30
741211.6	993522.3	9350	15.38	-0.40
741209.4	993532	9360	15.59	-0.10
741207.1	993541.8	9370	10.25	-0.30
741204.9	993551.5	9380	10.10	-0.10
741202.6	993561.3	9390	9.92	-0.10
741200.4	993571	9400	8.82	-0.20
741198.1	993580.8	9410	10.44	-0.20
741195.9	993590.5	9420	15.99	-0.10
741193.6	993600.3	9430	14.92	-0.40
741191.4	993610	9440	12.02	-0.10
741189.1	993619.8	9450	11.11	-0.10
741186.9	993629.4	9460	12.18	-0.20
741184.6	993639.2	9470	12.48	-0.20
741182.4	993648.9	9480	13.43	-0.30
741180.1	993658.7	9490	13.79	-0.50
741177.9	993668.4	9500	14.50	-0.50
741175.6	993678.2	9510	12.51	-0.20
741173.4	993687.9	9520	9.09	-0.40
741171.1	993697.7	9530	12.24	-0.20
741168.9	993707.4	9540	11.51	-0.20
741166.6	993717.2	9550	10.80	-0.20
741164.4	993726.9	9560	10.38	-0.30
741162.1	993736.6	9570	11.11	-0.30
741159.9	993746.4	9580	10.62	-0.20
741157.6	993756.1	9590	10.68	-0.10
741155.4	993765.9	9600	10.74	-0.20
741153.1	993775.6	9610	10.77	-0.20
741150.9	993785.4	9620	10.56	-0.20

Easting	Northing	Station	Conduct.	In-Phase
741148.6	993795.1	9630	10.35	-0.20
741146.4	993804.9	9640	10.19	-0.20
741144.1	993814.6	9650	9.83	-0.20
741141.9	993824.3	9660	9.49	-0.20
741139.6	993834.1	9670	9.16	-0.20
741137.4	993843.8	9680	8.70	-0.10
741135.1	993853.6	9690	8.58	-0.20
741132.9	993863.3	9700	8.15	-0.30
741130.6	993873.1	9710	8.03	-0.30
741128.4	993882.8	9720	7.90	-0.20
741126.1	993892.6	9730	7.66	-0.30
741123.9	993902.3	9740	8.12	-0.20
741121.6	993912.1	9750	7.69	-0.30
741119.4	993921.8	9760	7.63	-0.20
741117.1	993931.5	9770	8.30	-0.10
741114.9	993941.3	9780	8.18	-0.30
741112.6	993951	9790	8.06	-0.10
741110.4	993960.8	9800	8.51	-0.10
741108.1	993970.5	9810	8.48	-0.20
741105.9	993980.3	9820	8.51	-0.30
741103.6	993990	9830	8.58	-0.30
741101.4	993999.8	9840	8.91	-0.10
741099.1	994009.4	9850	9.77	-0.30
741096.9	994019.2	9860	10.10	-0.40
741094.6	994028.9	9870	9.98	-0.10
741092.4	994038.7	9880	10.74	-0.10
741090.1	994048.4	9890	10.50	-0.20
741087.9	994058.2	9900	11.32	-0.10
741085.6	994067.9	9910	11.81	-0.40
741083.4	994077.7	9920	12.05	-0.10
741081.2	994087.4	9930	11.05	-0.40
741078.9	994097.2	9940	11.60	-0.10
741076.7	994106.9	9950	11.38	-0.40
741074.4	994116.6	9960	11.51	-0.10
741072.2	994126.4	9970	11.11	-0.30
741069.9	994136.1	9980	11.02	-0.10
741067.7	994145.9	9990	10.[illegible]	-0.10
741065.4	994155.6	10000	10.89	-0.10
LINE 2000				
741087.3	994157.9	10000	11.54	-0.20
741089.5	994148.1	9990	11.02	-0.20
741091.8	994138.4	9980	11.72	-0.30
741094	994128.7	9970	11.93	-0.20
741096.3	994118.9	9960	12.30	-0.30
741098.5	994109.2	9950	11.90	-0.30
741100.8	994099.4	9940	12.27	-0.10
741103	994089.7	9930	11.90	-0.30
741105.3	994079.9	9920	11.66	-0.10
741107.5	994070.2	9910	11.05	-0.20
741109.8	994060.4	9900	10.31	-0.10
741112	994050.7	9890	11.20	-0.40

Easting	Northing	Station	Conduct.	In-Phase
741114.3	994041	9880	10.04	-0.40
741116.5	994031.3	9870	10.01	-0.30
741118.8	994021.5	9860	10.13	-0.20
741121	994011.8	9850	9.95	-0.10
741123.3	994002	9840	8.82	-0.40
741125.5	993992.3	9830	8.66	-0.30
741127.8	993982.5	9820	8.21	-0.20
741130	993972.8	9810	8.09	-0.10
741132.3	993963	9800	8.06	-0.30
741134.5	993953.3	9790	7.93	-0.40
741136.8	993943.6	9780	7.87	-0.20
741139	993933.8	9770	7.78	-0.30
741141.3	993924.1	9760	7.81	-0.20
741143.5	993914.3	9750	7.75	-0.30
741145.8	993904.6	9740	9.67	-0.10
741148	993894.8	9730	10.25	-0.30
741150.3	993885.1	9720	9.77	-0.10
741152.5	993875.3	9710	7.93	-0.30
741154.8	993865.6	9700	7.57	-0.30
741157	993855.8	9690	7.32	-0.20
741159.3	993846.1	9680	8.00	-0.10
741161.5	993836.4	9670	7.69	-0.40
741163.8	993826.6	9660	8.18	-0.10
741166	993816.9	9650	8.36	-0.20
741168.3	993807.1	9640	9.16	-0.20
741170.5	993797.4	9630	9.70	-0.10
741172.8	993787.6	9620	9.55	-0.10
741175	993777.9	9610	10.41	-0.10
741177.3	993768.1	9600	10.35	-0.40
741179.5	993758.4	9590	11.17	-0.30
741181.8	993748.7	9580	11.14	-0.20
741184	993738.9	9570	14.25	-0.50
741186.3	993729.2	9560	18.98	0.00
741188.5	993719.4	9550	19.78	0.00
741190.8	993709.7	9540	17.49	-0.30
741193	993699.9	9530	8.70	-0.30
741195.3	993690.2	9520	13.64	-0.30
741197.5	993680.4	9510	18.68	-0.10
741199.8	993670.7	9500	15.35	0.00
741202	993660.9	9490	12.33	-0.20
741204.3	993651.3	9480	12.36	-0.30
741206.5	993641.5	9470	11.05	-0.10
741208.8	993631.8	9460	9.80	-0.40
741211	993622	9450	8.91	-0.40
741213.3	993612.3	9440	9.19	-0.10
741215.5	993602.5	9430	9.49	-0.40
741217.8	993592.8	9420	9.55	-0.10
741220	993583	9410	9.25	-0.40
741222.3	993573.3	9400	8.88	-0.10
741224.5	993563.6	9390	8.76	-0.10
741226.8	993553.8	9380	9.06	-0.10

Easting	Northing	Station	Conduct.	In-Phase
741229	993544.1	9370	8.73	-0.30
741231.3	993534.3	9360	8.97	-0.40
741233.5	993524.6	9350	8.88	-0.10
741235.8	993514.8	9340	9.12	-0.10
741238	993505.1	9330	9.06	-0.20
741240.3	993495.3	9320	9.16	-0.20
741242.5	993485.6	9310	9.34	0.00
741244.8	993475.8	9300	9.06	-0.20
741247	993466.1	9290	8.64	-0.30
741249.3	993456.4	9280	9.12	-0.30
741251.5	993446.6	9270	8.97	-0.40
741253.8	993436.9	9260	9.06	-0.20
741256	993427.1	9250	8.91	-0.30
741258.3	993417.4	9240	8.79	-0.10
741260.5	993407.6	9230	9.09	-0.30
741262.8	993397.9	9220	8.94	-0.40
741265	993388.1	9210	8.66	-0.20
741267.3	993378.4	9200	8.91	-0.10
741269.5	993368.7	9190	10.04	-0.40
741271.7	993358.9	9180	9.83	-0.10
741273.9	993349.2	9170	9.80	-0.40
741276.2	993339.4	9160	10.28	-0.10
741278.4	993329.7	9150	10.89	-0.40
741280.7	993319.9	9140	10.77	-0.10
741282.9	993310.2	9130	10.04	-0.40
741285.2	993300.4	9120	10.50	-0.10
741287.4	993290.7	9110	11.93	-0.10
741289.7	993280.9	9100	10.96	-0.30
741291.9	993271.3	9090	10.62	-0.40
741294.2	993261.5	9080	11.20	-0.40
741296.4	993251.8	9070	13.58	-0.30
741298.7	993242	9060	15.08	-0.20
741300.9	993232.3	9050	14.40	-0.30
741303.2	993222.5	9040	12.54	-0.10
741305.4	993212.8	9030	3.97	-0.10
741307.7	993203	9020	27.80	-0.50
741309.9	993193.3	9010	22.52	-0.40
741312.2	993183.5	9000	21.64	-0.40
741314.4	993173.8	8990	20.90	-0.30
741316.7	993164.1	8980	13.85	-0.40
741318.9	993154.3	8970	27.34	-0.10
741321.2	993144.6	8960	22.55	-0.50
741323.4	993134.8	8950	20.05	-0.20
741325.7	993125.1	8940	12.27	-0.30
741327.9	993115.3	8930	10.83	-0.10
741330.2	993105.6	8920	13.37	-0.20
741332.4	993095.8	8910	13.52	-0.30
741334.7	993086.1	8900	18.86	-0.40
741336.9	993076.4	8890	23.07	-0.50
741339.2	993066.6	8880	22.43	-0.50
741341.4	993056.9	8870	23.19	-0.10

Easting	Northing	Station	Conduct.	In-Phase
741343.7	993047.1	8860	17.49	-0.40
741345.9	993037.4	8850	14.01	-0.20
741348.2	993027.6	8840	12.05	-0.20
741350.4	993017.9	8830	13.24	-0.30
741352.7	993008.1	8820	8.00	-0.10
741354.9	992998.4	8810	4.97	-0.40
741357.2	992988.6	8800	28.84	0.00
741359.4	992978.9	8790	37.87	-0.20
741361.7	992969.2	8780	33.23	0.00
741363.9	992959.4	8770	30.12	-0.40
741366.2	992949.7	8760	23.25	-0.30
741368.4	992939.9	8750	19.41	-0.30
741370.7	992930.2	8740	19.01	-0.30
741372.9	992920.4	8730	23.44	-0.40
741375.2	992910.7	8720	4.43	-0.30
741377.4	992900.9	8710	10.41	-0.20
741379.7	992891.2	8700	24.41	-0.40
741381.9	992881.5	8690	14.71	-0.30
741384.2	992871.8	8680	13.37	-0.30
741386.4	992862	8670	11.90	-0.40
741388.7	992852.3	8660	9.89	-0.30
741390.9	992842.5	8650	10.83	-0.10
741393.2	992832.8	8640	10.65	-0.20
741395.4	992823	8630	10.22	-0.10
741397.7	992813.3	8620	13.00	-0.40
741399.9	992803.5	8610	11.05	-0.20
741402.2	992793.8	8600	10.28	-0.10
741404.4	992784.1	8590	10.41	-0.10
741406.7	992774.3	8580	16.91	-0.30
741408.9	992764.6	8570	8.45	-0.40
741411.2	992754.8	8560	8.61	-0.10
741413.4	992745.1	8550	11.11	-0.20
741415.7	992735.3	8540	11.14	-0.30
LINE 2020				
741437.6	992737.6	8540	13.21	-0.40
741435.3	992747.3	8550	12.76	-0.10
741433.1	992757.1	8560	12.60	-0.20
741430.8	992766.8	8570	13.82	-0.30
741428.6	992776.6	8580	18.49	-0.40
741426.3	992786.3	8590	13.67	-0.40
741424.1	992796.1	8600	11.11	-0.40
741421.8	992805.8	8610	10.86	-0.20
741419.6	992815.6	8620	11.14	-0.20
741417.3	992825.3	8630	11.20	-0.20
741415.1	992835	8640	11.44	-0.40
741412.8	992844.8	8650	11.99	-0.10
741410.6	992854.5	8660	11.54	-0.10
741408.3	992864.3	8670	11.66	-0.30
741406.1	992874	8680	11.60	-0.10
741403.8	992883.8	8690	11.38	-0.40
741401.6	992893.5	8700	12.54	-0.10

Easting	Northing	Station	Conduct.	In-Phase
741399.3	992903.3	8710	14.47	-0.30
741397.1	992913	8720	15.90	-0.30
741394.8	992922.8	8730	15.96	-0.10
741392.6	992932.4	8740	18.40	-0.10
741390.3	992942.2	8750	25.94	-0.20
741388.1	992951.9	8760	34.24	-0.10
741385.8	992961.7	8770	45.41	-0.30
741383.6	992971.4	8780	31.52	-0.30
741381.3	992981.2	8790	17.46	-0.20
741379.1	992990.9	8800	22.71	-0.10
741376.8	993000.7	8810	40.37	-0.40
741374.6	993010.4	8820	28.72	-0.40
741372.3	993020.2	8830	11.87	-0.10
741370.1	993029.9	8840	15.93	-0.20
741367.8	993039.6	8850	14.40	-0.20
741365.6	993049.4	8860	15.50	-0.20
741363.3	993059.1	8870	19.68	-0.50
741361.1	993068.9	8880	6.99	-0.20
741358.8	993078.6	8890	9.77	-0.40
741356.6	993088.4	8900	13.49	-0.10
741354.3	993098.1	8910	13.55	-0.10
741352.1	993107.9	8920	13.21	-0.20
741349.8	993117.6	8930	12.63	-0.10
741347.6	993127.3	8940	12.82	-0.30
741345.3	993137.1	8950	14.19	-0.40
741343.1	993146.8	8960	17.55	-0.30
741340.8	993156.6	8970	26.09	-0.40
741338.6	993166.3	8980	25.88	-0.20
741336.3	993176.1	8990	13.70	-0.60
741334.1	993185.8	9000	10.13	-0.40
741331.8	993195.6	9010	35.37	-0.10
741329.6	993205.3	9020	35.03	-0.30
741327.3	993215.1	9030	27.98	0.00
741325.1	993224.8	9040	16.69	-0.30
741322.8	993234.5	9050	12.39	-0.20
741320.6	993244.3	9060	12.45	-0.20
741318.3	993254	9070	9.98	-0.40
741316.1	993263.8	9080	10.71	-0.20
741313.8	993273.5	9090	12.48	-0.30
741311.6	993283.3	9100	14.47	-0.20
741309.3	993293	9110	13.82	-0.30
741307.1	993302.8	9120	10.47	-0.20
741304.8	993312.4	9130	10.35	-0.10
741302.6	993322.2	9140	11.84	-0.10
741300.3	993331.9	9150	11.38	-0.10
741298.1	993341.7	9160	13.55	-0.40
741295.8	993351.4	9170	6.44	-0.20
741293.6	993361.2	9180	10.71	-0.10
741291.3	993370.9	9190	11.60	-0.30
741289.1	993380.7	9200	9.03	-0.10
741286.8	993390.4	9210	9.12	-0.10

Easting	Northing	Station	Conduct.	In-Phase
741284.6	993400.2	9220	8.88	-0.10
741282.3	993409.9	9230	9.12	-0.10
741280.1	993419.6	9240	9.40	-0.10
741277.8	993429.4	9250	7.69	-0.10
741275.6	993439.1	9260	9.95	-0.10
741273.3	993448.9	9270	10.31	-0.20
741271.1	993458.6	9280	10.07	-0.10
741268.8	993468.4	9290	9.06	-0.10
741266.6	993478.1	9300	8.88	-0.40
741264.3	993487.9	9310	8.79	-0.10
741262.1	993497.6	9320	8.82	-0.10
741259.8	993507.3	9330	8.85	-0.40
741257.6	993517.1	9340	8.58	-0.10
741255.3	993526.8	9350	8.85	-0.40
741253.1	993536.6	9360	8.58	-0.40
741250.8	993546.3	9370	8.61	-0.20
741248.6	993556.1	9380	8.76	-0.20
741246.3	993565.8	9390	9.31	-0.30
741244.1	993575.6	9400	9.16	-0.20
741241.8	993585.3	9410	9.12	-0.30
741239.6	993595.1	9420	8.94	-0.10
741237.3	993604.8	9430	9.12	-0.40
741235.1	993614.5	9440	9.03	-0.20
741232.8	993624.3	9450	9.22	-0.10
741230.6	993634	9460	8.91	-0.10
741228.3	993643.8	9470	9.25	-0.60
741226.1	993653.5	9480	9.55	-0.40
741223.8	993663.3	9490	9.46	-0.10
741221.6	993673	9500	9.46	-0.40
741219.3	993682.8	9510	9.52	-0.30
741217.1	993692.5	9520	9.77	-0.40
741214.8	993702.2	9530	9.06	-0.30
741212.6	993711.9	9540	10.04	-0.20
741210.3	993721.7	9550	9.95	-0.10
741208.1	993731.4	9560	10.65	-0.40
741205.8	993741.2	9570	10.59	-0.40
741203.6	993750.9	9580	10.47	-0.30
741201.3	993760.7	9590	10.53	-0.30
741199.1	993770.4	9600	10.25	-0.40
741196.8	993780.2	9610	9.74	-0.20
741194.6	993789.9	9620	9.98	-0.10
741192.3	993799.6	9630	9.25	-0.40
741190.1	993809.4	9640	9.12	-0.40
741187.8	993819.1	9650	8.42	-0.30
741185.6	993828.9	9660	7.45	-0.20
741183.3	993838.6	9670	8.48	-0.10
741181.1	993848.4	9680	8.51	-0.30
741178.8	993858.1	9690	8.24	-0.20
741176.6	993867.9	9700	7.78	-0.20
741174.3	993877.6	9710	7.87	-0.20
741172.1	993887.4	9720	8.39	-0.10

Easting	Northing	Station	Conduct.	In-Phase
741169.9	993897.1	9730	9.89	-0.40
741167.6	993906.8	9740	10.50	-0.30
741165.4	993916.6	9750	9.98	-0.30
741163.1	993926.3	9760	7.72	-0.10
741160.9	993936.1	9770	7.78	-0.40
741158.6	993945.8	9780	8.45	-0.10
741156.4	993955.6	9790	8.18	-0.20
741154.1	993965.3	9800	8.18	-0.10
741151.9	993975.1	9810	8.30	-0.40
741149.6	993984.8	9820	8.39	-0.10
741147.4	993994.5	9830	8.21	-0.30
741145.1	994004.3	9840	8.73	-0.10
741142.9	994014	9850	9.37	-0.10
741140.6	994023.8	9860	7.81	-0.30
741138.4	994033.5	9870	9.67	-0.20
741136.1	994043.3	9880	10.47	-0.40
741133.9	994053	9890	10.22	-0.40
741131.6	994062.8	9900	11.02	-0.30
741129.4	994072.5	9910	10.96	-0.10
741127.1	994082.3	9920	11.44	-0.40
741124.9	994091.9	9930	11.66	-0.40
741122.6	994101.7	9940	11.44	-0.10
741120.4	994111.4	9950	11.84	-0.10
741118.1	994121.2	9960	12.18	-0.10
741115.9	994130.9	9970	11.47	-0.40
741113.6	994140.7	9980	11.41	-0.10
741111.4	994150.4	9990	11.87	-0.10
741109.1	994160.2	10000	12.02	-0.20
LINE 2040				
741131	994162.4	10000	11.41	-0.40
741133.3	994152.6	9990	10.50	-0.20
741135.5	994142.9	9980	11.96	-0.10
741137.8	994133.1	9970	11.78	-0.40
741140	994123.4	9960	11.57	-0.30
741142.3	994113.6	9950	11.75	-0.10
741144.5	994103.9	9940	11.66	-0.30
741146.8	994094.1	9930	10.89	-0.40
741149	994084.4	9920	11.11	-0.40
741151.3	994074.6	9910	11.26	-0.30
741153.5	994064.9	9900	11.17	-0.40
741155.8	994055.2	9890	10.56	-0.10
741158	994045.4	9880	10.31	-0.10
741160.3	994035.7	9870	9.86	-0.40
741162.5	994025.9	9860	9.98	-0.10
741164.8	994016.2	9850	9.09	-0.40
741167	994006.4	9840	8.91	-0.10
741169.3	993996.7	9830	8.85	0.00
741171.5	993986.9	9820	8.21	-0.10
741173.8	993977.2	9810	8.64	-0.40
741175.9	993967.5	9800	8.12	-0.10
741178.2	993957.8	9790	7.93	-0.20

Easting	Northing	Station	Conduct.	In-Phase
741180.4	993948	9780	8.27	-0.30
741182.7	993938.3	9770	8.61	-0.10
741184.9	993928.5	9760	8.12	-0.20
741187.2	993918.8	9750	7.81	-0.40
741189.4	993909	9740	8.24	-0.20
741191.7	993899.3	9730	8.30	-0.30
741193.9	993889.5	9720	8.12	-0.20
741196.2	993879.8	9710	8.03	-0.10
741198.4	993870.1	9700	8.00	-0.10
741200.7	993860.3	9690	8.36	-0.40
741202.9	993850.6	9680	8.54	-0.20
741205.2	993840.8	9670	8.27	-0.60
741207.4	993831.1	9660	8.42	-0.10
741209.7	993821.3	9650	8.70	0.00
741211.9	993811.6	9640	8.94	-0.50
741214.2	993801.8	9630	8.97	-0.20
741216.4	993792.1	9620	9.74	-0.10
741218.7	993782.3	9610	9.98	-0.10
741220.9	993772.6	9600	9.49	-0.20
741223.2	993762.9	9590	9.89	-0.40
741225.4	993753.1	9580	10.07	-0.30
741227.7	993743.4	9570	10.19	-0.20
741229.9	993733.6	9560	9.98	-0.20
741232.2	993723.9	9550	9.95	-0.30
741234.4	993714.1	9540	9.74	-0.10
741236.7	993704.4	9530	9.70	-0.40
741238.9	993694.6	9520	9.58	-0.40
741241.2	993684.9	9510	9.28	-0.10
741243.4	993675.2	9500	9.49	-0.20
741245.7	993665.4	9490	9.25	-0.40
741247.9	993655.7	9480	10.31	-0.40
741250.2	993645.9	9470	9.19	0.00
741252.4	993636.2	9460	9.43	-0.20
741254.7	993626.4	9450	9.19	-0.20
741256.9	993616.7	9440	11.41	-0.40
741259.2	993606.9	9430	13.55	-0.10
741261.4	993597.2	9420	10.56	-0.10
741263.7	993587.4	9410	9.09	-0.10
741265.9	993577.8	9400	9.09	-0.10
741268.2	993568	9390	9.16	-0.40
741270.4	993558.3	9380	9.00	-0.40
741272.7	993548.5	9370	8.76	-0.30
741274.9	993538.8	9360	8.91	-0.10
741277.2	993529	9350	9.55	-0.10
741279.4	993519.3	9340	9.49	-0.20
741281.7	993509.5	9330	9.64	-0.20
741283.9	993499.8	9320	9.16	-0.20
741286.2	993490	9310	9.25	-0.20
741288.4	993480.3	9300	9.86	-0.10
741290.7	993470.6	9290	11.29	-0.10
741292.9	993460.8	9280	5.71	-0.20
741295.2	993451.1	9270	5.34	-0.70
741297.4	993441.3	9260	9.40	-0.30
741299.7	993431.6	9250	9.55	-0.40
741301.9	993421.8	9240	9.55	-0.40
741304.2	993412.1	9230	9.40	-0.40
741306.4	993402.3	9220	9.49	-0.40
741308.7	993392.6	9210	9.25	-0.40
741310.9	993382.9	9200	9.40	-0.40
741313.2	993373.1	9190	9.52	-0.40
741315.4	993363.4	9180	11.69	-0.20
741317.7	993353.6	9170	13.49	-0.20
741319.9	993343.9	9160	13.37	-0.20
741322.2	993334.1	9150	12.27	-0.20
741324.4	993324.4	9140	11.47	-0.10
741326.7	993314.6	9130	10.86	-0.10
741328.9	993304.9	9120	10.38	0.00
741331.2	993295.2	9110	11.93	-0.40
741333.4	993285.4	9100	18.83	-0.30
741335.7	993275.7	9090	24.08	-0.50
741337.9	993265.9	9080	22.67	-0.30
741340.2	993256.2	9070	4.43	-0.20
741342.4	993246.4	9060	6.53	-0.40
741344.7	993236.7	9050	10.59	-0.40
741346.9	993226.9	9040	11.47	-0.20
741349.2	993217.2	9030	13.49	-0.10
741351.4	993207.4	9020	16.60	-0.20
741353.7	993197.8	9010	21.09	-0.40
741355.9	993188	9000	24.26	-0.40
741358.2	993178.3	8990	21.09	-0.30
741360.4	993168.5	8980	19.87	-0.30
741362.7	993158.8	8970	15.11	-0.20
741364.9	993149	8960	14.74	-0.20
741367.2	993139.3	8950	13.82	-0.20
741369.4	993129.5	8940	14.19	-0.40
741371.7	993119.8	8930	13.61	-0.30
741373.9	993110	8920	13.31	-0.20
741376.2	993100.3	8910	20.87	-0.50
741378.4	993090.6	8900	27.07	-0.50
741380.7	993080.8	8890	9.31	-0.30
741382.9	993071.1	8880	1.16	-0.30
741385.2	993061.3	8870	1.40	-0.10
741387.4	993051.6	8860	23.99	-0.50
741389.7	993041.8	8850	18.77	-0.10
741391.9	993032.1	8840	15.69	-0.10
741394.2	993022.3	8830	5.10	-0.10
741396.4	993012.6	8820	8.82	-0.70
741398.7	993002.9	8810	30.12	-0.40
741400.9	992993.1	8800	31.83	-0.40
741403.2	992983.4	8790	27.01	-0.40
741405.4	992973.6	8780	20.51	-0.20
741407.7	992963.9	8770	16.94	-0.10

Easting	Northing	Station	Conduct.	In-Phase
741409.9	992954.1	8760	15.05	-0.20
741412.2	992944.4	8750	14.56	-0.20
741414.4	992934.6	8740	13.34	-0.10
741416.7	992924.9	8730	14.01	-0.20
741418.9	992915.1	8720	13.92	-0.10
741421.2	992905.4	8710	13.24	-0.30
741423.4	992895.7	8700	12.39	-0.20
741425.7	992885.9	8690	12.45	-0.10
741427.9	992876.2	8680	12.70	-0.20
741430.2	992866.4	8670	12.63	-0.20
741432.4	992856.7	8660	13.40	-0.20
741434.7	992846.9	8650	12.76	-0.40
741436.9	992837.2	8640	12.08	-0.10
741439.2	992827.4	8630	11.93	-0.20
741441.4	992817.7	8620	12.21	-0.30
741443.7	992808	8610	13.92	-0.60
741445.9	992798.3	8600	12.27	-0.40
741448.2	992788.5	8590	11.72	-0.20
741450.4	992778.8	8580	11.96	0.00
741452.7	992769	8570	14.50	-0.30
741454.9	992759.3	8560	12.70	-0.30
741457.2	992749.5	8550	11.93	-0.50
741459.4	992739.8	8540	13.37	-0.20

Easting	Northing	Station	Conduct.	In-Phase

Easting	Northing	Conduct.	In-Phase
LINE 1000: SEAD-67			
748755.5	1002279	11.718	0.209
748765.5	1002279	12.176	0.077
748775.5	1002279	10.926	0.165
748785.5	1002279	11.444	0.139
748795.5	1002279	11.596	0.562
748805.5	1002279	9.948	-0.058
748815.5	1002279	10.314	-0.132
748825.5	1002279	10.010	0.137
748835.5	1002279	10.040	-0.169
748845.5	1002279	10.162	0.286
748855.5	1002279	10.528	0.005
748865.5	1002279	10.224	-0.066
748875.5	1002279	9.948	0.077
748885.5	1002279	10.406	0.119
748895.5	1002279	10.070	0.209
748905.5	1002279	10.162	0.876
748915.5	1002278	10.314	0.804
748925.5	1002278	10.468	0.519
748935.5	1002278	11.016	0.275
748945.5	1002278	10.772	-0.038
748955.5	1002278	11.200	-0.220
748965.5	1002278	10.986	-0.417
748975.5	1002278	11.048	-0.257
748985.5	1002278	10.772	-0.185
748995.5	1002278	11.200	0.126
749005.5	1002278	11.322	-0.196
LINE 1020			
749005.6	1002298	11.230	-0.330
748995.6	1002298	11.414	-0.266
748985.6	1002298	10.650	-0.282
748975.6	1002298	11.292	0.075
748965.6	1002298	10.986	0.444
748955.6	1002298	10.742	0.562
748945.6	1002298	10.468	-0.055
748935.6	1002298	10.742	-0.091
748925.6	1002298	10.742	0.259
748915.6	1002298	10.590	-0.124
748905.6	1002299	10.162	-0.099
748895.6	1002299	9.826	0.053
748885.6	1002299	10.284	0.709
748875.6	1002299	9.858	0.543
748865.6	1002299	10.102	0.736
748855.6	1002299	10.224	0.345
748845.6	1002299	10.376	0.088
748835.6	1002299	10.254	0.727
748825.6	1002299	9.796	0.126
748815.6	1002299	9.552	0.402
748805.6	1002299	10.010	0.112
748795.6	1002299	9.246	0.453
748785.6	1002299	11.994	0.180

Easting	Northing	Conduct.	In-Phase
748775.6	1002299	10.986	0.060
748765.6	1002299	10.528	0.091
748755.6	1002299	12.024	-0.018
LINE 1040			
748755.7	1002319	11.474	-0.115
748765.7	1002319	10.956	-0.124
748775.7	1002319	10.712	0.837
748785.7	1002319	10.742	0.951
748795.7	1002319	10.468	0.400
748805.7	1002319	9.918	0.200
748815.7	1002319	9.918	0.595
748825.7	1002319	10.468	0.610
748835.7	1002319	9.796	0.049
748845.7	1002319	10.192	0.431
748855.7	1002319	9.980	0.701
748865.7	1002319	10.376	0.562
748875.7	1002319	10.804	0.659
748885.7	1002319	11.078	0.387
748895.7	1002319	10.498	0.027
748905.7	1002319	9.948	0.519
748915.7	1002318	9.826	0.150
748925.7	1002318	11.750	0.124
748935.7	1002318	11.108	-0.047
748945.7	1002318	10.560	0.801
748955.7	1002318	10.742	-0.124
748965.7	1002318	10.070	0.564
748975.7	1002318	10.284	-0.040
748985.7	1002318	10.590	-0.209
748995.7	1002318	10.620	0.319
749005.7	1002318	11.048	-0.051
LINE 1060			
749005.8	1002338	11.108	0.080
748995.8	1002338	11.016	0.290
748985.8	1002338	10.864	-0.009
748975.8	1002338	11.444	-0.163
748965.8	1002338	11.170	-0.266
748955.8	1002338	11.138	-0.095
748945.8	1002338	11.384	-0.231
748935.8	1002338	11.384	7.456
748925.8	1002338	9.980	0.077
748915.8	1002338	11.688	0.409
748905.8	1002339	10.132	0.398
748895.8	1002339	11.292	0.949
748885.8	1002339	10.132	-0.165
748875.8	1002339	9.034	-0.279
748865.8	1002339	8.820	0.519
748855.8	1002339	10.834	0.202
748845.8	1002339	10.438	-0.181
748835.8	1002339	9.704	-0.180
748825.8	1002339	9.490	-0.040
748815.8	1002339	10.284	-0.214

Easting	Northing	Conduct.	In-Phase
748805.8	1002339	9.858	-0.064
748795.8	1002339	10.284	0.064
748785.8	1002339	10.468	1.673
748775.8	1002339	10.926	1.376
748765.8	1002339	10.682	0.477
748755.8	1002339	10.742	0.128
LINE 1080			
748755.9	1002359	11.962	0.176
748765.9	1002359	11.658	-0.110
748775.9	1002359	10.650	-0.200
748785.9	1002359	11.414	0.521
748795.9	1002359	11.260	0.747
748805.9	1002359	10.162	0.837
748815.9	1002359	10.498	-0.045
748825.9	1002359	5.402	2.346
748835.9	1002359	8.972	0.301
748845.9	1002359	10.590	1.622
748855.9	1002359	10.438	0.819
748865.9	1002359	10.834	0.518
748875.9	1002359	11.108	1.080
748885.9	1002359	10.406	1.062
748895.9	1002359	11.322	0.632
748905.9	1002359	10.772	0.104
748915.9	1002358	11.718	-0.007
748925.9	1002358	12.024	0.663
748935.9	1002358	9.216	-0.033
748945.9	1002358	10.804	0.328
748955.9	1002358	12.208	0.696
748965.9	1002358	11.414	0.056
748975.9	1002358	11.994	0.172
748985.9	1002358	11.596	-0.091
748995.9	1002358	10.468	0.270
749005.9	1002358	10.346	0.112
LINE 1100			
749005.9	1002378	10.894	0.055
748995.9	1002378	10.772	0.411
748985.9	1002378	11.260	0.075
748975.9	1002378	11.506	0.944
748965.9	1002378	11.474	1.712
748955.9	1002378	11.566	0.183
748945.9	1002378	12.512	0.633
748935.9	1002378	11.718	-0.134
748925.9	1002378	11.048	1.087
748915.9	1002378	11.902	0.316
748905.9	1002379	11.260	0.150
748895.9	1002379	11.384	0.115
748885.9	1002379	10.834	-0.104
748875.9	1002379	10.650	-0.123
748865.9	1002379	10.712	0.282
748855.9	1002379	11.016	0.266
748845.9	1002379	10.742	0.205

Easting	Northing	Conduct.	In-Phase
748835.9	1002379	10.284	0.382
748825.9	1002379	9.704	0.229
748815.9	1002379	10.682	0.802
748805.9	1002379	10.590	1.051
748795.9	1002379	11.260	0.611
748785.9	1002379	12.330	0.433
748775.9	1002379	11.108	0.468
748765.9	1002379	11.902	-0.104
748755.9	1002379	12.482	0.273
LINE 1120			
748756.1	1002399	11.750	0.817
748766.1	1002399	11.872	0.723
748776.1	1002399	11.902	0.091
748786.1	1002399	12.084	0.027
748796.1	1002399	11.384	0.196
748806.1	1002399	11.048	-0.077
748816.1	1002399	11.016	0.001
748826.1	1002399	11.138	0.121
748836.1	1002399	10.102	0.639
748846.1	1002399	10.438	0.084
748856.1	1002399	11.170	0.012
748866.1	1002399	11.230	-0.005
748876.1	1002399	10.590	0.018
748886.1	1002399	7.996	-0.073
748896.1	1002399	12.024	0.200
748906.1	1002399	9.644	0.286
748916.1	1002398	10.346	1.109
748926.1	1002398	11.658	0.437
748936.1	1002398	11.352	0.095
748946.1	1002398	11.658	0.466
748956.1	1002398	11.780	0.356
748966.1	1002398	11.108	-0.246
748976.1	1002398	10.986	-0.406
748986.1	1002398	10.894	0.779
748996.1	1002398	11.292	0.744
749006.1	1002398	10.772	-0.084
LINE 1140			
749006.1	1002418	10.528	-0.264
748996.1	1002418	10.528	-0.132
748986.1	1002418	10.650	0.062
748976.1	1002418	11.170	0.200
748966.1	1002418	11.780	0.393
748956.1	1002418	11.718	-0.071
748946.1	1002418	12.084	0.633
748936.1	1002418	11.506	0.229
748926.1	1002418	11.810	1.322
748916.1	1002418	11.230	0.395
748906.1	1002419	10.772	0.231
748896.1	1002419	12.696	0.415
748886.1	1002419	11.414	0.097
748876.1	1002419	10.834	0.249

Easting	Northing	Conduct.	In-Phase
748866.1	1002419	11.138	0.497
748856.1	1002419	8.636	1.019
748846.1	1002419	10.468	0.384
748836.1	1002419	10.560	0.345
748826.1	1002419	9.948	0.521
748816.1	1002419	11.596	0.510
748806.1	1002419	11.048	1.826
748796.1	1002419	10.926	0.937
748786.1	1002419	11.260	0.488
748776.2	1002419	11.750	-0.064
748766.2	1002419	11.048	0.402
748756.2	1002419	12.542	0.167
LINE 1160			
748756.3	1002439	11.048	0.216
748766.3	1002439	10.468	-0.038
748776.3	1002439	10.742	0.123
748786.3	1002439	11.078	0.110
748796.3	1002439	10.682	0.093
748806.3	1002439	10.498	0.016
748816.3	1002439	10.956	-0.073
748826.3	1002439	9.216	0.600
748836.3	1002439	9.430	0.711
748846.3	1002439	10.712	0.132
748856.3	1002439	10.438	0.038
748866.3	1002439	10.528	0.654
748876.3	1002439	10.742	0.824
748886.3	1002439	11.048	0.361
748896.3	1002439	10.406	0.034
748906.3	1002439	10.926	0.720
748916.3	1002438	10.894	0.147
748926.3	1002438	11.048	-0.040
748936.3	1002438	11.322	0.927
748946.3	1002438	12.084	-0.110
748956.3	1002438	11.506	0.409
748966.3	1002438	11.596	-0.016
748976.3	1002438	11.016	0.203
748986.3	1002438	11.352	1.122
748996.3	1002438	10.712	0.231
749006.3	1002438	10.468	0.157
LINE 1180			
749006.3	1002458	10.864	-0.220
748996.3	1002458	10.438	0.018
748986.3	1002458	10.682	1.499
748976.3	1002458	10.894	1.481
748966.3	1002458	10.926	0.542
748956.3	1002458	11.566	0.207
748946.3	1002458	11.628	-0.126
748936.3	1002458	11.596	0.101
748926.3	1002458	11.688	0.641
748916.3	1002458	11.780	0.935
748906.3	1002459	10.894	0.547

Easting	Northing	Conduct.	In-Phase
748896.3	1002459	10.804	0.194
748886.3	1002459	10.834	0.248
748876.3	1002459	10.528	0.051
748866.4	1002459	10.712	0.751
748856.4	1002459	10.346	0.281
748846.4	1002459	11.444	0.657
748836.4	1002459	10.438	0.121
748826.4	1002459	10.224	0.433
748816.4	1002459	9.278	0.747
748806.4	1002459	11.170	0.499
748796.4	1002459	10.438	0.222
748786.4	1002459	11.138	0.665
748776.4	1002459	11.016	0.115
748766.4	1002459	11.506	-0.025
748756.4	1002459	11.566	-0.040
LINE 1200			
748756.4	1002479	10.224	0.170
748766.4	1002479	10.132	0.207
748776.4	1002479	10.712	0.192
748786.4	1002479	10.040	0.180
748796.4	1002479	10.528	0.150
748806.4	1002479	10.468	0.170
748816.4	1002479	10.804	0.299
748826.4	1002479	10.560	-0.027
748836.4	1002479	10.772	-0.099
748846.4	1002479	10.712	0.248
748856.4	1002479	10.804	0.099
748866.4	1002479	10.528	1.045
748876.4	1002479	10.804	0.409
748886.4	1002479	10.804	-0.027
748896.4	1002479	11.230	-0.224
748906.4	1002479	11.078	-0.135
748916.4	1002478	11.016	-0.106
748926.4	1002478	11.628	-0.036
748936.4	1002478	12.574	0.316
748946.4	1002478	11.596	0.626
748956.4	1002478	12.208	0.090
748966.4	1002478	12.054	0.157
748976.4	1002478	11.474	-0.148
748986.4	1002478	10.926	-0.011
748996.4	1002478	10.528	-0.090
749006.4	1002478	10.926	0.086
LINE 1220			
749006.5	1002498	11.292	0.062
748996.5	1002498	11.138	-0.086
748986.5	1002498	11.414	0.497
748976.5	1002498	11.810	0.505
748966.5	1002498	12.298	0.325
748956.6	1002498	11.718	0.018
748946.6	1002498	12.574	0.455
748936.6	1002498	12.756	1.030

Easting	Northing	Conduct.	In-Phase
748926.6	1002498	12.330	0.981
748916.6	1002498	12.084	1.216
748906.6	1002499	11.688	0.650
748896.6	1002499	11.628	0.707
748886.6	1002499	10.314	0.090
748876.6	1002499	10.650	1.521
748866.6	1002499	10.254	0.683
748856.6	1002499	10.162	0.387
748846.6	1002499	10.682	0.474
748836.6	1002499	10.346	0.011
748826.6	1002499	10.346	0.196
748816.6	1002499	10.772	0.314
748806.6	1002499	6.530	0.360
748796.6	1002499	8.088	1.673
748786.6	1002499	13.794	18.119
748776.6	1002499	22.064	29.676
748766.6	1002499	10.772	-0.418
748756.6	1002499	11.138	0.257
LINE 1240			
748756.6	1002519	12.116	0.246
748766.6	1002519	11.872	0.316
748776.6	1002519	12.116	0.437
748786.6	1002519	11.596	0.595
748796.6	1002519	11.962	1.633
748806.6	1002519	11.962	0.723
748816.6	1002519	11.200	0.240
748826.6	1002519	11.536	0.690
748836.6	1002519	11.658	0.677
748846.6	1002519	10.956	0.270
748856.6	1002519	10.590	0.929
748866.6	1002519	10.712	0.619
748876.6	1002519	11.322	0.167
748886.6	1002519	9.430	1.558
748896.6	1002519	11.108	0.040
748906.6	1002519	11.170	0.101
748916.6	1002518	11.230	0.391
748926.6	1002518	11.780	0.165
748936.6	1002518	12.634	0.361
748946.6	1002518	12.176	0.769
748956.6	1002518	12.208	0.259
748966.6	1002518	12.452	0.031
748976.6	1002518	12.482	1.163
748986.6	1002518	12.238	0.034
748996.6	1002518	12.360	0.119
749006.6	1002518	11.718	0.027
749016.6	1002518	0.000	0.000

Easting	Northing	Conduct.	In-Phase

Easting	Northing	Conduct.	In-Phase
LINE 1000: SEAD-70			
740518.1	1007395	15.076	-0.411
740528.1	1007395	15.594	-0.495
740538.1	1007395	14.924	-0.613
740548.1	1007396	14.924	-0.721
740558.1	1007396	14.770	-0.605
740568.1	1007396	14.344	-0.631
740578.1	1007397	14.160	-0.754
740588.1	1007397	14.618	-0.662
740598.1	1007397	14.588	-0.624
740608.1	1007397	15.046	-0.633
740618.1	1007398	15.686	-0.594
740628.1	1007398	15.930	-0.447
740638.1	1007398	16.082	-0.591
740648.1	1007398	16.144	-0.598
740658.1	1007399	15.960	-0.613
740668.1	1007399	16.174	-0.675
740678.1	1007399	16.358	-0.576
740688.1	1007400	16.174	-0.664
740698	1007400	16.174	-0.567
740708	1007400	16.266	-0.576
740718	1007400	15.992	-0.699
740728	1007401	16.082	-0.675
740738	1007401	16.022	-0.646
740748	1007401	15.564	-0.655
740758	1007401	15.380	-0.591
740768	1007402	15.046	-0.705
740778	1007402	15.106	-0.697
740788	1007402	14.924	-0.626
740798	1007403	14.496	-0.706
740808	1007403	14.312	-0.547
740818	1007403	14.068	-0.703
740828	1007403	13.764	-0.631
740838	1007404	13.672	-0.705
740848	1007404	13.336	-0.761
740858	1007404	13.276	-0.708
740867.9	1007404	13.672	-0.659
740877.9	1007405	13.062	-0.717
740887.9	1007405	12.878	-0.725
740897.9	1007405	12.664	-0.795
LINE 980			
740898.5	1007385	12.420	-0.504
740888.5	1007385	12.848	-0.723
740878.5	1007385	13.000	-0.677
740868.5	1007384	12.970	-0.694
740858.5	1007384	13.032	-0.719
740848.5	1007384	13.184	-0.754
740838.5	1007384	13.764	-0.657
740828.5	1007383	13.610	-0.604
740818.6	1007383	13.946	-0.712
740808.6	1007383	14.344	-0.593
740798.6	1007383	14.252	-0.682
740788.6	1007382	14.710	-0.648
740778.6	1007382	15.076	-0.732
740768.6	1007382	14.892	-0.556
740758.6	1007381	15.136	-0.624
740748.6	1007381	15.564	-0.695
740738.6	1007381	15.442	-0.706
740728.6	1007381	15.686	-0.468
740718.6	1007380	14.984	-0.675
740708.6	1007380	15.564	-0.543
740698.6	1007380	15.900	-0.615
740688.6	1007380	16.204	-0.749
740678.6	1007379	16.448	-0.653
740668.6	1007379	16.388	-0.664
740658.6	1007379	16.296	-0.567
740648.6	1007378	16.022	-0.752
740638.6	1007378	16.816	-0.627
740628.6	1007378	16.540	-0.543
740618.6	1007378	15.350	-0.593
740608.6	1007377	15.716	-0.705
740598.6	1007377	15.442	-0.714
740588.6	1007377	14.832	-0.629
740578.6	1007377	14.404	-0.739
740568.6	1007376	14.068	-0.771
740558.6	1007376	14.618	-0.640
LINE 960			
740559.2	1007356	15.564	-0.716
740569.2	1007356	15.290	-0.710
740579.2	1007357	14.678	-0.694
740589.2	1007357	14.588	-0.890
740599.2	1007357	15.656	-0.835
740609.2	1007357	16.236	-0.800
740619.1	1007358	16.418	-0.723
740629.1	1007358	16.266	-0.817
740639.1	1007358	17.120	-0.818
740649.1	1007358	17.182	-0.668
740659.1	1007359	17.762	-0.6[illegible]
740669.1	1007359	17.608	-0.650
740679.1	1007359	17.150	-0.681
740689.1	1007360	17.120	-0.686
740699.1	1007360	16.724	-0.706
740709.1	1007360	16.572	-0.716
740719.1	1007360	17.060	-0.635
740729.1	1007361	16.114	-0.682
740739.1	1007361	16.694	-0.739
740749.1	1007361	16.448	-0.598
740759.1	1007361	16.358	-0.723
740769.1	1007362	15.808	-0.633
740779.1	1007362	15.686	-0.646
740789.1	1007362	15.290	-0.739
740799.1	1007363	14.832	-0.877

Easting	Northing	Conduct.	In-Phase
740809.1	1007363	14.618	-0.905
740819.1	1007363	14.282	-0.885
740829.1	1007363	14.130	-0.831
740839.1	1007364	14.008	-0.863
740849.1	1007364	14.130	-0.898
740859.1	1007364	13.458	-0.988
740869.1	1007364	12.786	-0.885
740879.1	1007365	13.000	-0.708
740889.1	1007365	12.634	-0.874
LINE 940			
740889.6	1007345	13.122	-0.758
740879.6	1007345	12.664	-0.903
740869.6	1007344	13.336	-0.866
740859.6	1007344	12.298	-0.877
740849.6	1007344	11.902	-0.920
740839.6	1007344	13.824	-0.898
740829.6	1007343	14.282	-0.844
740819.6	1007343	14.068	-0.896
740809.6	1007343	14.526	-0.359
740799.6	1007343	14.802	-0.732
740789.6	1007342	14.892	-0.830
740779.6	1007342	15.534	-0.633
740769.6	1007342	15.686	-0.826
740759.6	1007341	16.052	-0.694
740749.6	1007341	16.326	-0.664
740739.7	1007341	16.968	-0.640
740729.7	1007341	16.510	-0.627
740719.7	1007340	17.212	-0.694
740709.7	1007340	17.060	-0.695
740699.7	1007340	17.090	-0.774
740689.7	1007340	18.188	-0.479
740679.7	1007339	18.280	-0.598
740669.7	1007339	18.280	-0.655
740659.7	1007339	18.646	-0.664
740649.7	1007338	18.494	-0.754
740639.7	1007338	18.554	-0.694
740629.7	1007338	18.464	-0.416
740619.7	1007338	17.884	-0.580
740609.7	1007337	16.114	-0.697
740599.7	1007337	16.236	-0.675
740589.7	1007337	15.716	-0.626
740579.7	1007337	15.442	-0.648
740569.8	1007336	15.870	-0.818
740559.8	1007336	16.968	-0.563
LINE 920			
740560.3	1007316	17.304	-0.355
740570.3	1007316	17.182	-0.635
740580.3	1007317	16.662	-0.682
740590.3	1007317	16.694	-0.723
740600.3	1007317	16.418	-0.782
740610.3	1007317	17.762	-0.653
740620.3	1007318	17.670	-0.681
740630.3	1007318	18.342	-0.622
740640.3	1007318	18.158	-0.611
740650.3	1007318	18.128	-0.539
740660.3	1007319	18.218	-0.624
740670.3	1007319	18.188	-0.594
740680.3	1007319	18.310	-0.664
740690.3	1007320	18.342	-0.650
740700.3	1007320	17.884	-0.673
740710.2	1007320	18.250	-0.646
740720.2	1007320	17.486	-0.682
740730.2	1007321	17.304	-0.730
740740.2	1007321	16.938	-0.686
740750.2	1007321	16.938	-0.730
740760.2	1007321	16.174	-0.747
740770.2	1007322	15.686	-0.732
740780.2	1007322	15.502	-0.888
740790.2	1007322	15.290	-0.826
740800.2	1007323	14.954	-0.760
740810.2	1007323	14.862	-0.705
740820.2	1007323	14.190	-0.997
740830.2	1007323	14.190	-1.032
740840.2	1007324	14.008	-0.826
740850.2	1007324	13.854	-0.631
740860.2	1007324	13.580	-0.875
740870.1	1007325	13.488	-0.907
740880.1	1007325	13.488	-0.793
740890.1	1007325	13.306	-0.890
LINE 900			
740890.7	1007305	14.222	-0.710
740880.7	1007305	13.886	-0.870
740870.7	1007305	14.222	-0.807
740860.7	1007304	13.520	-0.844
740850.7	1007304	13.702	-0.815
740840.7	1007304	13.886	-0.760
740830.7	1007303	14.190	-0.761
740820.8	1007303	14.282	-0.723
740810.8	1007303	14.770	-0.719
740800.8	1007303	14.802	-0.785
740790.8	1007302	15.412	-0.694
740780.8	1007302	15.808	-0.798
740770.8	1007302	16.204	-0.793
740760.8	1007302	16.724	-0.721
740750.8	1007301	17.120	-0.688
740740.8	1007301	16.968	-0.739
740730.8	1007301	17.182	-0.875
740720.8	1007300	16.358	-1.008
740710.8	1007300	16.938	-0.681
740700.8	1007300	17.608	-0.530
740690.8	1007300	18.036	-0.572
740680.8	1007299	17.578	-0.798

Easting	Northing	Conduct.	In-Phase
740670.8	1007299	18.586	-0.664
740660.8	1007299	18.890	-0.598
740650.8	1007298	18.890	-0.534
740640.8	1007298	18.524	-0.589
740630.8	1007298	18.524	-0.684
740620.8	1007298	17.822	-0.703
740610.8	1007297	17.762	-0.638
740600.8	1007297	16.998	-0.593
740590.8	1007297	16.724	-0.752
740580.8	1007297	16.662	-0.611
740570.8	1007296	16.724	-0.567
740560.8	1007296	16.938	-0.644
LINE 880			
740561.4	1007276	16.174	-0.515
740571.4	1007276	16.174	-0.721
740581.4	1007277	16.510	-0.681
740591.4	1007277	16.724	-0.548
740601.4	1007277	17.120	0.424
740611.4	1007277	17.578	0.158
740621.4	1007278	17.762	-0.537
740631.3	1007278	18.066	-0.572
740641.3	1007278	16.784	-0.898
740651.3	1007278	19.166	-0.734
740661.3	1007279	19.836	-0.526
740671.3	1007279	18.036	-0.155
740681.3	1007279	19.866	-0.965
740691.3	1007280	19.196	-0.447
740701.3	1007280	18.890	-0.431
740711.3	1007280	18.554	-0.572
740721.3	1007280	18.646	-0.480
740731.3	1007281	18.280	-0.429
740741.3	1007281	18.310	-0.513
740751.3	1007281	17.822	-0.583
740761.3	1007282	17.822	-0.497
740771.3	1007282	17.060	-0.532
740781.3	1007282	15.838	-0.646
740791.3	1007282	15.228	-0.512
740801.3	1007283	14.862	-0.556
740811.3	1007283	14.984	-0.605
740821.3	1007283	14.862	-0.763
740831.3	1007283	14.588	-0.681
740841.3	1007284	14.252	-0.795
740851.3	1007284	14.678	-0.752
740861.3	1007284	14.496	-0.765
740871.3	1007285	14.556	-0.666
740881.3	1007285	15.198	-0.727
740891.3	1007285	15.564	-0.638
LINE 860			
740891.8	1007265	16.174	-0.570
740881.8	1007265	16.326	-0.541
740871.8	1007265	15.502	-0.749

Easting	Northing	Conduct.	In-Phase
740861.8	1007264	15.258	-0.554
740851.8	1007264	15.136	-0.567
740841.8	1007264	14.556	-0.771
740831.8	1007263	14.710	-0.576
740821.8	1007263	15.258	-0.611
740811.8	1007263	15.046	-0.668
740801.8	1007263	15.320	-0.686
740791.8	1007262	16.358	-0.734
740781.8	1007262	16.998	-0.681
740771.8	1007262	17.792	-0.607
740761.8	1007262	17.852	-0.642
740751.8	1007261	18.432	-0.576
740741.9	1007261	18.676	-0.530
740731.9	1007261	18.798	-0.491
740721.9	1007260	18.676	-0.458
740711.9	1007260	18.494	-0.385
740701.9	1007260	19.348	-0.547
740691.9	1007260	19.532	-0.427
740681.9	1007259	20.142	-0.442
740671.9	1007259	19.958	-0.460
740661.9	1007259	19.806	-0.530
740651.9	1007259	19.714	-0.390
740641.9	1007258	19.042	-0.572
740631.9	1007258	18.798	-0.536
740621.9	1007258	18.066	-0.471
740611.9	1007257	17.730	-0.036
740601.9	1007257	17.822	1.724
740591.9	1007257	16.724	0.415
740581.9	1007257	16.114	-0.446
740571.9	1007256	16.266	-0.670
740561.9	1007256	16.448	-0.574
LINE 840			
740562.4	1007236	16.326	-0.519
740572.4	1007236	15.778	-0.714
740582.4	1007237	15.960	-0.585
740592.4	1007237	16.358	-0.618
740602.4	1007237	16.540	-0.578
740612.4	1007237	16.754	-0.517
740622.4	1007238	17.640	-0.508
740632.4	1007238	18.554	-0.565
740642.4	1007238	19.318	-0.434
740652.4	1007239	19.592	-0.446
740662.4	1007239	19.958	-0.501
740672.4	1007239	20.386	-0.420
740682.4	1007239	20.386	-0.396
740692.4	1007240	20.356	-0.333
740702.4	1007240	19.928	-0.291
740712.4	1007240	19.500	-0.394
740722.4	1007240	19.378	-0.339
740732.4	1007241	19.592	-0.458
740742.4	1007241	19.226	-0.436

Easting	Northing	Conduct.	In-Phase
740752.4	1007241	18.920	-0.398
740762.4	1007242	19.134	-0.335
740772.4	1007242	18.494	-0.525
740782.4	1007242	18.586	-0.447
740792.4	1007242	18.036	-0.444
740802.4	1007243	17.242	-0.512
740812.4	1007243	16.174	-0.357
740822.4	1007243	8.118	-3.156
740832.4	1007243	5.036	-6.276
740842.4	1007244	15.716	-0.218
740852.4	1007244	15.838	-0.692
740862.4	1007244	16.480	-0.491
740872.4	1007245	16.510	-0.552
740882.3	1007245	16.082	-0.684
740892.3	1007245	16.846	-0.591
LINE 820			
740892.9	1007225	16.174	-0.703
740882.9	1007225	15.992	-0.703
740872.9	1007225	16.724	-0.806
740862.9	1007224	16.174	-0.611
740852.9	1007224	16.266	-0.705
740842.9	1007224	15.258	-0.605
740832.9	1007223	15.502	-0.512
740822.9	1007223	16.022	-0.367
740812.9	1007223	15.228	-0.633
740802.9	1007223	17.028	-0.581
740792.9	1007222	18.066	-0.580
740782.9	1007222	18.524	-0.574
740772.9	1007222	18.494	-0.526
740762.9	1007222	18.494	-0.534
740752.9	1007221	18.738	-0.605
740742.9	1007221	18.982	-0.624
740732.9	1007221	19.288	-0.525
740722.9	1007220	19.256	-0.501
740712.9	1007220	19.622	-0.513
740702.9	1007220	19.958	-0.504
740692.9	1007220	20.538	-0.363
740682.9	1007219	20.234	-0.444
740672.9	1007219	20.446	-0.499
740663	1007219	20.508	-0.493
740653	1007219	20.202	-0.462
740643	1007218	19.256	-0.477
740633	1007218	18.616	-0.578
740623	1007218	17.852	-0.587
740613	1007217	17.182	-0.583
740603	1007217	16.846	-0.613
740593	1007217	16.876	-0.569
740583	1007217	15.778	-0.751
740573	1007216	15.930	-0.675
740563	1007216	16.114	-0.585
740553	1007216	16.418	-0.576

Easting	Northing	Conduct.	In-Phase
740543	1007216	15.960	-0.513
740533	1007215	14.466	-0.317
740523	1007215	16.694	-0.563
740513	1007215	16.816	-0.624
740503	1007214	16.662	-0.583
740493.1	1007214	17.578	0.222
LINE 800			
740493.6	1007194	18.250	-0.429
740503.6	1007194	17.670	-0.624
740513.6	1007195	17.060	-0.372
740523.6	1007195	15.290	-0.559
740533.6	1007195	14.924	-0.389
740543.6	1007196	17.182	-0.635
740553.6	1007196	16.694	-0.547
740563.6	1007196	16.358	-0.480
740573.6	1007196	16.174	-0.651
740583.6	1007197	16.540	-0.541
740593.6	1007197	16.510	-0.708
740603.6	1007197	17.150	-0.607
740613.6	1007197	17.182	-0.664
740623.6	1007198	17.822	-0.541
740633.5	1007198	18.218	-0.458
740643.5	1007198	18.982	-0.403
740653.5	1007199	19.378	-0.422
740663.5	1007199	19.806	-0.282
740673.5	1007199	20.234	-0.440
740683.5	1007199	20.538	-0.440
740693.5	1007200	20.568	-0.326
740703.5	1007200	20.416	-0.405
740713.5	1007200	19.928	-0.425
740723.5	1007200	19.836	-0.328
740733.5	1007201	19.042	-0.431
740743.5	1007201	19.562	-0.326
740753.5	1007201	18.920	-0.387
740763.5	1007202	18.768	-0.455
740773.5	1007202	18.096	-0.460
740783.5	1007202	17.914	-0.528
740793.5	1007202	17.944	-0.539
740803.4	1007203	17.730	-0.517
740813.4	1007203	16.480	-0.438
740823.4	1007203	14.924	-0.670
740833.4	1007203	14.374	-0.728
740843.4	1007204	14.770	-0.591
740853.4	1007204	14.282	-0.666
740863.4	1007204	15.320	-0.593
740873.4	1007205	15.656	-0.776
740883.4	1007205	16.266	-0.749
740893.4	1007205	15.900	-0.749
LINE 780			
740894	1007185	15.930	-0.482
740884	1007185	16.174	-0.611

Easting	Northing	Conduct.	In-Phase
740874	1007185	15.442	-0.719
740864	1007184	14.832	-0.725
740854	1007184	14.282	-0.682
740844	1007184	14.282	-0.712
740834	1007183	15.106	-0.655
740824	1007183	14.190	-0.574
740814	1007183	16.144	-0.550
740804	1007183	17.272	-0.486
740794	1007182	17.822	-0.534
740784	1007182	17.762	-0.451
740774	1007182	18.372	-0.475
740764	1007182	18.464	-0.464
740754.1	1007181	18.708	-0.506
740744.1	1007181	19.042	-0.411
740734.1	1007181	19.440	-0.475
740724.1	1007180	19.196	-0.471
740714.1	1007180	19.836	-0.490
740704.1	1007180	20.446	-0.385
740694.1	1007180	20.568	-0.321
740684.1	1007179	20.722	-0.409
740674.1	1007179	20.478	-0.354
740664.1	1007179	19.990	-0.330
740654.1	1007179	19.074	-0.401
740644.1	1007178	18.920	-0.468
740634.1	1007178	18.250	-0.479
740624.1	1007178	17.944	-0.541
740614.1	1007177	17.486	-0.506
740604.1	1007177	16.968	-0.501
740594.1	1007177	17.182	-0.444
740584.1	1007177	16.448	-0.525
740574.1	1007176	16.204	-0.607
740564.1	1007176	16.326	-0.532
740554.1	1007176	16.662	-0.558
740544.1	1007176	17.548	-0.493
740534.1	1007175	14.770	-0.745
740524.1	1007175	10.468	-0.905
740514.1	1007175	18.158	-0.559
740504.1	1007174	18.372	-0.561
740494.1	1007174	18.280	-0.616

LINE 760

Easting	Northing	Conduct.	In-Phase
740494.7	1007154	17.060	-0.640
740504.7	1007154	16.876	-0.710
740514.7	1007155	16.754	-0.648
740524.7	1007155	15.350	-0.864
740534.7	1007155	15.534	-0.659
740544.7	1007156	14.924	-0.892
740554.6	1007156	15.168	-0.668
740564.6	1007156	15.412	-0.694
740574.6	1007156	15.992	-0.705
740584.6	1007157	16.204	-0.615
740594.6	1007157	16.418	-0.423
740604.6	1007157	17.150	-0.616
740614.6	1007157	17.548	-0.534
740624.6	1007158	17.700	-0.486
740634.6	1007158	17.944	-0.434
740644.6	1007158	18.432	-0.493
740654.6	1007159	18.768	-0.600
740664.6	1007159	19.714	-0.416
740674.6	1007159	19.684	-0.403
740684.6	1007159	20.234	-0.416
740694.6	1007160	20.356	-0.212
740704.6	1007160	18.952	-0.343
740714.6	1007160	20.356	-0.354
740724.6	1007160	20.234	-0.365
740734.6	1007161	19.898	-0.416
740744.6	1007161	19.440	-0.422
740754.6	1007161	19.592	-0.330
740764.6	1007162	18.738	-0.504
740774.6	1007162	17.822	-0.552
740784.6	1007162	17.822	-0.580
740794.6	1007162	17.822	-0.446
740804.6	1007163	17.334	-0.578
740814.6	1007163	16.816	-0.508
740824.6	1007163	15.656	-0.558
740834.6	1007163	13.916	-0.613
740844.6	1007164	14.404	-0.690
740854.6	1007164	13.886	-0.701
740864.6	1007164	13.978	-0.732
740874.6	1007165	14.556	-0.501
740884.5	1007165	15.380	-0.861
740894.5	1007165	15.686	-0.490

LINE 740

Easting	Northing	Conduct.	In-Phase
740895.1	1007145	16.448	-0.506
740885.1	1007145	16.296	-0.719
740875.1	1007145	15.076	-0.736
740865.1	1007144	14.130	-0.760
740855.1	1007144	13.854	-0.705
740845.1	1007144	14.556	-0.640
740835.1	1007143	14.190	-0.547
740825.1	1007143	14.892	-0.602
740815.1	1007143	16.082	-0.547
740805.1	1007143	17.060	-0.570
740795.1	1007142	17.426	-0.479
740785.1	1007142	17.640	-0.510
740775.1	1007142	17.914	-0.422
740765.1	1007142	18.586	-0.447
740755.1	1007141	19.714	-0.400
740745.1	1007141	20.264	-0.429
740735.1	1007141	19.440	-0.289
740725.1	1007140	18.798	-0.332
740715.1	1007140	19.958	-0.363
740705.1	1007140	20.356	-0.440

Easting	Northing	Conduct.	In-Phase
740695.1	1007140	20.112	-0.468
740685.1	1007139	19.562	-0.412
740675.2	1007139	19.196	-0.491
740665.2	1007139	19.042	-0.440
740655.2	1007139	18.920	-0.512
740645.2	1007138	18.464	-0.504
740635.2	1007138	18.036	-0.499
740625.2	1007138	17.456	-0.499
740615.2	1007137	17.426	-0.554
740605.2	1007137	16.846	-0.558
740595.2	1007137	16.266	-0.657
740585.2	1007137	16.236	-0.451
740575.2	1007136	15.656	-0.552
740565.2	1007136	9.246	-8.887
LINE 720			
740565.8	1007116	14.344	-0.361
740575.8	1007116	14.924	-0.648
740585.8	1007117	15.564	-0.644
740595.8	1007117	16.174	-0.754
740605.8	1007117	16.572	-0.521
740615.8	1007117	16.876	-0.561
740625.8	1007118	17.456	-0.563
740635.8	1007118	17.822	-0.585
740645.7	1007118	18.006	-0.609
740655.7	1007119	18.616	-0.306
740665.7	1007119	19.042	-0.501
740675.7	1007119	19.318	-0.427
740685.7	1007119	19.410	-0.517
740695.7	1007120	19.348	-0.486
740705.7	1007120	20.020	-0.400
740715.7	1007120	19.836	-0.466
740725.7	1007120	20.050	-0.525
740735.7	1007121	20.264	-0.521
740745.7	1007121	19.958	-0.344
740755.7	1007121	19.532	-0.054
740765.7	1007122	19.714	1.141
740775.7	1007122	19.592	0.827
740785.7	1007122	18.006	-0.434
740795.7	1007122	17.730	-0.541
740805.6	1007123	17.242	-0.519
740815.6	1007123	16.662	-0.653
740825.6	1007123	15.748	-0.642
740835.6	1007123	14.832	-0.765
740845.6	1007124	14.710	-0.506
740855.6	1007124	14.588	-0.857
740865.6	1007124	14.344	-0.627
740875.6	1007125	14.802	-0.637
740885.6	1007125	16.022	-0.752
740895.6	1007125	16.846	-0.648
LINE 700			
740896.2	1007105	16.266	-0.565

Easting	Northing	Conduct.	In-Phase
740886.2	1007105	16.388	-0.677
740876.2	1007105	15.778	-0.681
740866.2	1007104	15.046	-0.771
740856.2	1007104	15.198	-0.723
740846.2	1007104	15.046	-0.699
740836.2	1007103	14.984	-0.662
740826.2	1007103	15.442	-0.635
740816.2	1007103	16.388	-0.506
740806.2	1007103	17.762	-0.043
740796.2	1007102	20.294	2.756
740786.2	1007102	23.468	4.660
740776.2	1007102	21.636	3.238
740766.2	1007102	17.334	5.674
740756.3	1007101	8.912	-30.282
740746.3	1007101	19.776	0.709
740736.3	1007101	19.532	-0.488
740726.3	1007100	19.532	-0.618
740716.3	1007100	19.378	-0.593
740706.3	1007100	19.500	-0.600
740696.3	1007100	19.562	-0.502
740686.3	1007099	19.348	-0.512
740676.3	1007099	21.118	-0.997
740666.3	1007099	21.270	-0.104
740656.3	1007099	19.836	-0.321
740646.3	1007098	22.552	-0.282
740636.3	1007098	22.918	-0.604
740626.3	1007098	18.280	-0.593
740616.3	1007097	17.518	-0.578
740606.3	1007097	16.784	-0.609
740596.3	1007097	16.754	-0.462
740586.3	1007097	15.992	-0.622
740576.3	1007096	15.198	-0.804
740566.3	1007096	14.556	-0.761
LINE 680			
740566.8	1007076	15.442	-0.747
740576.8	1007076	15.412	-0.874
740586.8	1007077	15.930	-0.855
740596.8	1007077	17.120	-0.776
740606.8	1007077	17.486	-0.708
740616.8	1007077	18.158	-0.626
740626.8	1007078	18.830	-0.633
740636.8	1007078	19.440	-0.530
740646.8	1007078	21.240	0.913
740656.8	1007079	20.020	0.621
740666.8	1007079	20.112	-0.104
740676.8	1007079	19.378	-0.471
740686.8	1007079	19.898	-0.550
740696.8	1007080	19.744	-0.653
740706.8	1007080	19.654	-0.519
740716.8	1007080	19.470	-0.561
740726.8	1007080	19.562	-0.528

Easting	Northing	Conduct.	In-Phase
740736.8	1007081	19.256	-0.466
740746.8	1007081	19.012	-0.425
740756.8	1007081	22.950	3.469
740766.8	1007082	24.078	7.249
740776.8	1007082	-15.838	-14.228
740796.8	1007082	21.118	29.642
740806.8	1007083	22.858	-6.816
740816.8	1007083	18.646	1.036
740826.8	1007083	10.986	-3.856
740836.8	1007084	18.372	0.895
740846.8	1007084	15.960	-0.725
740856.8	1007084	16.114	-0.761
740866.8	1007084	17.090	-0.631
740876.8	1007085	17.028	-0.675
740886.8	1007085	16.510	-0.670
740896.7	1007085	16.662	-0.723
LINE 660			
740897.3	1007065	16.572	-0.697
740887.3	1007065	17.060	-0.758
740877.3	1007065	17.242	-0.688
740867.3	1007064	17.426	-0.793
740857.3	1007064	17.364	-0.673
740847.3	1007064	17.578	-0.681
740837.3	1007064	18.372	-0.456
740827.3	1007063	19.348	0.040
740817.3	1007063	16.022	-2.013
740807.3	1007063	13.244	-3.042
740797.3	1007062	18.982	1.090
740787.3	1007062	23.712	4.397
740767.3	1007062	73.364	31.700
740757.3	1007061	25.940	19.109
740747.3	1007061	21.392	2.696
740737.3	1007061	19.532	0.423
740727.3	1007060	20.080	0.678
740717.3	1007060	20.294	1.560
740707.3	1007060	20.080	0.897
740697.3	1007060	19.654	-0.124
740687.3	1007059	19.684	-0.444
740677.4	1007059	20.142	-0.541
740667.4	1007059	20.568	-0.400
740657.4	1007059	20.112	-0.572
740647.4	1007058	20.234	-0.490
740637.4	1007058	20.050	-0.519
740627.4	1007058	19.806	-0.550
740617.4	1007057	19.196	-0.629
740607.4	1007057	18.890	-0.624
740597.4	1007057	17.242	-0.370
740587.4	1007057	17.242	-0.545
740577.4	1007056	15.502	-0.668
740567.4	1007056	14.892	-0.846
LINE 640			

Easting	Northing	Conduct.	In-Phase
740567.9	1007036	15.594	-0.727
740577.9	1007036	16.480	-0.569
740587.9	1007037	17.548	0.682
740597.9	1007037	8.056	-8.201
740607.9	1007037	17.150	0.035
740617.9	1007037	16.602	-0.607
740627.9	1007038	18.158	-0.196
740637.9	1007038	16.662	-0.782
740647.9	1007038	19.440	-0.434
740657.9	1007039	20.356	-0.219
740667.9	1007039	23.406	1.984
740677.9	1007039	25.634	12.620
740687.9	1007039	22.216	44.779
740697.9	1007040	33.752	18.240
740707.9	1007040	-5.310	-21.192
740717.9	1007040	22.644	2.073
740727.9	1007041	-9.186	-30.910
740737.9	1007041	-3.724	-18.443
740747.9	1007041	4.212	-13.137
740757.9	1007041	37.568	-1.542
740767.9	1007042	3.204	-26.275
740777.9	1007042	19.776	2.697
740787.9	1007042	16.266	-0.523
740797.9	1007042	18.066	-0.490
740807.9	1007043	18.218	-0.694
740817.8	1007043	17.792	-0.752
740827.8	1007043	17.670	-0.699
740837.8	1007044	17.334	-0.730
740847.8	1007044	17.090	-0.828
740857.8	1007044	17.486	-0.820
740867.8	1007044	17.700	-0.739
740877.8	1007045	17.518	-0.793
740887.8	1007045	17.792	-0.811
740897.8	1007045	17.518	-0.660
LINE 620			
740898.4	1007025	18.188	-0.587
740888.4	1007025	17.974	-0.580
740878.4	1007025	18.128	-0.688
740868.4	1007024	17.334	-0.719
740858.4	1007024	17.182	-0.771
740848.4	1007024	17.272	-0.622
740838.4	1007024	16.816	-0.822
740828.4	1007023	16.876	-0.679
740818.4	1007023	16.938	-0.719
740808.4	1007023	17.090	-0.626
740798.4	1007022	17.822	-0.624
740788.4	1007022	17.914	-0.581
740778.4	1007022	11.322	-2.910
740768.4	1007022	15.380	-1.678
740758.4	1007021	19.196	0.557
740748.4	1007021	18.616	1.419

Easting	Northing	Conduct.	In-Phase
740738.4	1007021	18.830	3.576
740728.4	1007021	20.690	8.814
740718.4	1007020	26.428	5.294
740708.4	1007020	20.264	1.565
740698.4	1007020	18.372	0.470
740688.4	1007019	19.318	0.419
740678.4	1007019	19.196	0.790
740668.4	1007019	21.484	4.471
740658.4	1007019	23.194	-0.210
740648.4	1007018	14.344	-4.166
740638.4	1007018	18.494	-0.025
740628.4	1007018	17.974	-0.604
740618.4	1007018	20.356	-0.787
740608.4	1007017	17.700	-6.094
740598.5	1007017	10.528	-4.747
740588.5	1007017	6.714	-8.600
740578.5	1007016	-8.454	-20.224
740568.5	1007016	16.052	-0.826
LINE 600			
740569	1006996	15.838	-0.626
740579	1006996	16.754	-0.615
740589	1006997	18.860	0.232
740599	1006997	20.874	1.527
740609	1006997	16.326	-0.094
740619	1006998	21.636	0.889
740629	1006998	10.406	-6.393
740639	1006998	17.852	0.715
740649	1006998	16.540	0.527
740659	1006999	14.740	-1.840
740669	1006999	16.876	0.944
740679	1006999	16.938	-0.857
740689	1006999	33.782	43.788
740699	1007000	32.012	14.365
740709	1007000	23.956	4.101
740719	1007000	19.532	2.795
740729	1007001	16.266	0.358
740738.9	1007001	17.060	-0.817
740748.9	1007001	16.662	-0.526
740758.9	1007001	17.028	-0.548
740768.9	1007002	17.212	-0.532
740778.9	1007002	17.182	-0.543
740788.9	1007002	16.662	-0.660
740798.9	1007002	16.540	-0.657
740808.9	1007003	16.448	-0.554
740818.9	1007003	16.448	-0.502
740828.9	1007003	16.326	-0.600
740838.9	1007004	16.694	-0.545
740848.9	1007004	16.876	-0.598
740858.9	1007004	17.028	-0.521
740868.9	1007004	17.334	-0.490
740878.9	1007005	18.066	-0.412
740888.9	1007005	18.464	-0.521
740898.9	1007005	18.432	-0.600
LINE 580			
740899.4	1006985	18.188	-0.407
740889.4	1006985	17.944	-0.615
740879.4	1006985	17.914	-0.569
740869.4	1006984	17.060	-0.602
740859.5	1006984	16.906	-0.558
740849.5	1006984	16.296	-0.734
740839.5	1006984	16.082	-0.666
740829.5	1006983	15.870	-0.684
740819.5	1006983	15.960	-0.622
740809.5	1006983	15.960	-0.547
740799.5	1006982	15.960	-0.629
740789.5	1006982	16.236	-0.536
740779.5	1006982	16.632	-0.547
740769.5	1006982	16.510	-0.581
740759.5	1006981	16.448	-0.719
740749.5	1006981	16.754	-0.490
740739.5	1006981	16.540	-0.446
740729.5	1006981	17.060	-0.304
740719.5	1006980	19.288	1.123
740709.5	1006980	17.822	0.989
740699.5	1006980	15.076	-0.626
740689.6	1006979	14.374	-0.703
740679.6	1006979	15.870	-0.563
740669.6	1006979	14.190	-0.089
740659.6	1006979	16.296	0.164
740649.6	1006978	16.816	0.263
740639.6	1006978	-11.688	-20.145
740629.6	1006978	-34.484	-17.558
740619.6	1006978	7.782	-3.185
740609.6	1006977	18.860	-0.510
740599.6	1006977	18.280	-0.550
740589.6	1006977	17.060	-0.613
740579.6	1006976	16.816	-0.620
740569.6	1006976	16.266	-0.664
LINE 560			
740570.1	1006956	15.442	-0.741
740580.1	1006956	15.960	-0.679
740590.1	1006957	16.266	-0.607
740600.1	1006957	16.754	-0.513
740610.1	1006957	16.938	-0.479
740620.1	1006958	16.784	-0.506
740630.1	1006958	17.090	-0.558
740640.1	1006958	17.272	-0.537
740650.1	1006958	16.906	-0.684
740660.1	1006959	17.028	-0.615
740670.1	1006959	17.182	-0.602
740680.1	1006959	16.632	-0.482
740690.1	1006959	16.906	-0.477

Easting	Northing	Conduct.	In-Phase
740700.1	1006960	16.754	-0.736
740710.1	1006960	16.418	-0.778
740720.1	1006960	16.540	-0.565
740730.1	1006961	16.296	-0.622
740740.1	1006961	15.992	-0.613
740750.1	1006961	16.388	-0.556
740760.1	1006961	16.174	-0.482
740770.1	1006962	15.900	-0.734
740780.1	1006962	15.656	-0.688
740790.1	1006962	15.716	-0.734
740800.1	1006962	15.624	-0.651
740810.1	1006963	15.594	-0.593
740820.1	1006963	15.290	-0.627
740830	1006963	15.412	-0.739
740840	1006964	15.564	-0.624
740850	1006964	15.624	-0.684
740860	1006964	15.838	-0.679
740870	1006964	16.266	-0.598
740880	1006965	16.876	-0.651
740890	1006965	16.938	-0.664
740900	1006965	17.364	-0.521
LINE 540			
740900.6	1006945	16.938	-0.633
740890.6	1006945	16.968	-0.716
740880.6	1006945	16.480	-0.660
740870.6	1006944	16.296	-0.653
740860.6	1006944	15.808	-0.497
740850.6	1006944	15.168	-0.787
740840.6	1006944	15.350	-0.728
740830.6	1006943	14.862	-0.660
740820.6	1006943	14.678	-0.738
740810.6	1006943	14.924	-0.774
740800.6	1006942	15.320	-0.701
740790.6	1006942	15.442	-0.576
740780.6	1006942	15.228	-0.736
740770.6	1006942	15.686	-0.629
740760.6	1006941	15.656	-0.809
740750.6	1006941	15.380	-0.760
740740.6	1006941	16.144	-0.754
740730.6	1006941	16.174	-0.747
740720.6	1006940	15.930	-1.210
740710.6	1006940	16.388	-0.751
740700.6	1006940	16.724	-0.666
740690.6	1006939	16.448	-0.767
740680.6	1006939	16.510	-0.670
740670.6	1006939	16.418	-0.765
740660.6	1006939	16.358	-0.804
740650.6	1006938	16.326	-0.811
740640.6	1006938	16.236	-0.785
740630.6	1006938	16.174	-0.679
740620.6	1006938	16.052	-0.638
740610.7	1006937	15.930	-0.811
740600.7	1006937	15.992	-0.798
740590.7	1006937	15.808	-0.802
740580.7	1006936	15.168	-0.773
740570.7	1006936	14.862	-0.626

Easting	Northing	Conduct.	In-Phase
LINE 1000: SEAD-71			
750788.6	999220.6	20.996	33.461
750778.6	999219.6	27.862	33.476
750768.7	999218.6	106.048	33.447
750758.8	999217.6	304.016	33.470
750748.8	999216.6	266.906	33.458
750738.9	999215.6	63.446	33.470
750728.9	999214.6	11.230	33.445
750718.9	999213.6	12.970	33.470
750709	999212.6	18.952	33.465
750699.1	999211.5	134.246	33.458
750689.1	999210.5	255.432	33.443
750679.2	999209.5	304.016	33.465
750669.3	999208.5	279.694	33.465
750659.3	999207.4	113.282	33.463
750649.3	999206.4	157.898	33.443
750639.4	999205.4	95.704	33.437
750629.4	999204.4	52.062	33.454
750619.5	999203.4	13.276	33.450
750609.5	999202.4	10.040	33.447
750599.6	999201.4	7.690	33.469
750589.6	999200.4	8.484	33.456
LINE 1020			
750587.6	999220.3	9.613	33.415
750597.6	999221.3	-7.812	33.417
750607.5	999222.3	-0.458	33.445
750617.4	999223.3	-2.136	33.445
750627.4	999224.3	-5.066	33.419
750637.4	999225.3	7.690	33.445
750647.3	999226.4	6.164	33.441
750657.3	999227.4	5.798	33.441
750667.2	999228.4	7.844	33.419
750677.1	999229.4	7.538	33.439
750687.1	999230.4	-6.042	33.413
750697.1	999231.4	0.610	33.439
750707	999232.4	4.028	33.408
750716.9	999233.4	-7.660	-24.618
750726.9	999234.4	-27.648	-24.616
750736.8	999235.5	10.742	-24.616
750746.8	999236.5	16.510	-24.614
750756.8	999237.5	49.134	33.410
750766.7	999238.5	56.518	33.441
750776.6	999239.5	302.216	33.443
750786.6	999240.6	-217.224	-24.610
LINE 1040			
750784.6	999260.4	32.836	33.428
750774.6	999259.4	-217.254	-24.605
750764.6	999258.4	-120.392	33.430
750754.7	999257.4	19.410	33.423
750744.8	999256.4	5.004	33.425
750734.8	999255.4	5.004	33.391
750724.9	999254.4	4.882	33.410
750714.9	999253.3	4.578	33.423
750704.9	999252.3	5.280	33.419
750695	999251.3	5.676	33.419
750685.1	999250.3	4.638	33.419
750675.1	999249.3	4.882	33.417
750665.2	999248.3	4.638	33.415
750655.2	999247.3	3.906	33.415
750645.3	999246.3	3.968	33.413
750635.3	999245.3	4.242	33.399
750625.4	999244.2	4.058	33.410
750615.4	999243.2	4.394	33.402
750605.5	999242.2	4.638	33.410
750595.5	999241.2	7.110	33.413
750585.6	999240.2	109.986	33.379
LINE 1060			
750583.6	999260.1	302.856	33.384
750593.5	999261.1	273.804	33.397
750603.4	999262.1	40.466	33.395
750613.4	999263.1	5.372	33.386
750623.4	999264.1	2.656	33.373
750633.3	999265.1	1.038	33.391
750643.3	999266.1	0.428	33.388
750653.2	999267.1	1.130	33.390
750663.1	999268.2	1.068	33.386
750673.1	999269.2	0.306	33.375
750683.1	999270.2	3.022	33.395
750693	999271.2	3.692	33.388
750702.9	999272.3	2.564	33.375
750712.9	999273.3	2.716	33.377
750722.8	999274.3	2.990	33.373
750732.8	999275.3	2.746	33.384
750742.8	999276.3	2.350	33.351
750752.7	999277.3	4.120	33.366
750762.6	999278.3	5.738	33.349
750772.6	999279.3	11.138	33.360
750782.5	999280.3	45.654	33.333
LINE 1080			
750780.5	999300.3	63.782	33.334
750770.6	999299.2	88.318	33.301
750760.6	999298.2	37.842	33.327
750750.6	999297.2	11.170	33.309
750740.7	999296.2	4.120	33.316
750730.8	999295.2	0.702	33.320
750720.8	999294.1	1.526	33.318
750710.9	999293.1	0.732	33.287
750700.9	999292.1	4.638	33.303
750690.9	999291.1	2.838	33.309
750681	999290.1	5.494	33.276
750671.1	999289.1	5.250	33.272
750661.1	999288.1	2.198	33.303

Easting	Northing	Conduct.	In-Phase
750651.2	999287.1	3.022	33.298
750641.2	999286.1	2.746	33.300
750631.3	999285	3.356	33.270
750621.3	999284	3.296	33.265
750611.4	999283	3.692	33.305
750601.4	999282	8.270	33.292
750591.5	999281	215.026	33.309
750581.5	999279.9	182.160	-24.590
LINE 1100			
750579.5	999299.9	-9.980	-24.553
750589.4	999300.9	11.688	-24.531
750599.4	999301.9	8.299	-24.509
750609.3	999302.9	12.024	33.292
750619.3	999303.9	7.264	33.252
750629.3	999304.9	5.584	33.243
750639.2	999305.9	7.476	33.261
750649.1	999306.9	6.440	33.244
750659.1	999307.9	-10.192	33.261
750669.1	999309	-10.132	-24.500
750679	999310	3.266	-24.491
750688.9	999311	4.180	-24.480
750698.9	999312	4.426	-24.471
750708.8	999313	6.256	33.246
750718.8	999314.1	4.058	33.211
750728.8	999315.1	-13.610	33.250
750738.7	999316.1	-33.630	-24.505
750748.6	999317.1	-1.282	-24.507
750758.6	999318.1	13.062	-24.476
750768.5	999319.1	14.588	33.230
750778.4	999320.1	25.422	33.235
LINE 1120			
750776.4	999340	-141.632	-24.480
750766.5	999339	124.054	33.219
750756.6	999338	-2.930	33.211
750746.6	999337	4.670	33.206
750736.6	999335.9	-15.136	33.211
750726.7	999334.9	-41.168	-24.461
750716.8	999333.9	-8.912	-24.467
750706.8	999332.9	1.984	-24.467
750696.9	999331.9	3.968	-24.465
750686.9	999330.9	3.448	-24.461
750676.9	999329.9	-4.426	-24.463
750667	999328.9	-0.030	-24.463
750657.1	999327.9	0.976	-24.461
750647.1	999326.9	2.076	-24.460
750637.2	999325.8	4.302	-24.450
750627.2	999324.8	5.646	-24.425
750617.3	999323.8	-9.400	-24.450
750607.3	999322.8	2.532	-24.450
750597.4	999321.8	-12.756	-24.450
750587.4	999320.8	10.498	-24.426

Easting	Northing	Conduct.	In-Phase
750577.5	999319.8	6.440	-24.401
750567.5	999318.8	0.000	0.000

APPENDIX B

SUBSURFACE INVESTIGATION

- Boring/Monitoring Well Logs
- Test Pit Logs

Boring/Monitoring Well Logs

LOG OF BORING NO. MW60-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-60
PROJECT NO: 720518-01000
DATE STARTED: 03/23/94
DATE COMPLETED: 03/23/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 14.0
BORING LOCATION (N/E): 986468.8 751766.4
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 746.3
DATUM: NAD 1983
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 4 7 8	2.00	1.7	0	BGD	0.4	Brown SILT, trace(+) Organic material, frozen	ML
						0.7	AA ,trace(-) Organic material, wet, not frozen.	ML
						1.5	Gray/orange/brown CLAY, trace Silt, trace fine to coarse Shale fragments, medium stiff, moist. Plastic	CL
						1.7	Gray/orange/brown SILT, CLAY and very fine SAND, trace fine Shale fragments, moist.	ML
						2.0	No Recovery	-
.02	9 15 18 27	2.00	1.6	0	BGD	2.7	AA(1.5'-1.7')	ML
						3.1	Gray/orange/brown SILT, some Clay, trace fine to medium Shale fragments, dry	ML
						3.2	Gray/brown very fine SAND and SILT, saturated.	SM
						3.6	Gray/brown SILT, little Clay, little(-) fine to medium Shale fragments, medium stiff, dry.	ML
						4.0	No Recovery	-
.03	15 18 26 21	2.00	1.5	0	BGD	5.5	AA(3.2'-3.6')	ML
						6.0	No Recovery	-
.04	25 31 30 36	2.00	1.8	0	BGD	6.6	Light brown SILT, little(-) Clay, little(-) fine to medium Shale fragments, medium stiff, moist.	ML
						7.2	Light brown SILT, trace(+) Clay, trace fine Shale fragments, loose, moist to wet.	ML
						7.8	Light brown SILT, trace very fine Sand, trace(-) Clay, moist with trace saturated lenses.	ML
						8.0	No Recovery	-
.05	18 41 46 100/.4	1.90	1.9	0	BGD	9.0	Light brown/gray SILT, some very fine Shale fragments, trace Clay, trace medium to coarse Shale fragments, medium stiff, moist to wet, trace saturated lenses.	ML
						9.9	AA, brown/gray, dry	ML

NOTES: Bottom of overburden at 15.3'. No soil samples were collected for chemical analysis.

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.06	38 71 62 88	2.00	1.8	0	BGD	10.0	Dark gray fractured SHALE, saturated.	-
						10.2 – 11.6	Brown/gray SILT, little(+) fine to medium Shale fragments with trace coarse Shale fragments, trace(+) Clay, moist with saturated lenses from 10-11'.	ML
						11.6 – 11.8	AA with some very fine Sand, medium stiff.	ML
						11.8 – 12.0	No Recovery	-
.07	70 72 80 100/.45	1.95	1.8	0	BGD	12.0 – 12.4	Brown/gray SILT, some fine Shale fragments, trace(+) very fine Sand.	ML
						12.4 – 12.8	Dark gray weathered, fractured SHALE, some Silt, trace Clay, trace very fine Sand, wet to saturated.	ML
						12.8 – 13.8	Brown/gray SILT and very fine SAND, some weathered Shale, medium stiff, wet to saturated. Reddish-brown very fine weathered Shale fragments at 13.7'.	SM
						13.8 – 14.0	No Recovery	-
.08	32 48 100/.3	1.30	1.3	0	BGD	14.0 – 15.3	Brown/gray SILT, some very fine Sand, some weathered, fractured Shale, saturated.	ML
						15.3 – 16.0	No Recovery	-
.09	100/.2	0.20	0.2	0	BGD	16.0 – 16.2	Dark gray weathered, fractured Shale, saturated. Trace Silt and Clay interbedded between fracture planes.	-
						16.2 – 18.0	No Recovery	-
.10	100/.15	0.15	0.15	0	BGD	18.0 – 18.1	AA (16.0-16.2)	-
						18.1 – 18.2	Dark gray fractured SHALE.	-
						18.2	No Recovery	-

BORING TERMINATED AT 18.3'

NOTES: Bottom of overburden at 15.3'. No soil samples were collected for chemical analysis.

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Seneca Army Depot
Romulus, New York

LOG OF BORING MW60-1

LOG OF BORING NO. MW60-2

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-60
PROJECT NO: 720518-01000
DATE STARTED: 03/22/94
DATE COMPLETED: 03/22/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 11.3
BORING LOCATION (N/E): 986579.5 751519.3
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 744.1
DATUM: NAD 1983
INSPECTOR: FO
CHECKED BY: F0

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	5 7 9 12	2.00	1.9	0	BGD	0.5	Brown SILT, trace Clay, trace(+) Organic material.	ML
						1.3	AA, trace fine Shale fragments.	ML
						1.9	Yellow-brown SILT + CLAY, trace fine Shale fragments, soft, moist.	CL
						2.0	No Recovery	
.02	18 18 26 30	2.00	1.5	0	BGD	3.5	Gray-brown-yellow SILT + CLAY, trace fine to medium Shale fragments, trace weathered Shale, stiff, moist to wet.	CL
						4.0	No Recovery	-
.03	35 31 30 42	2.00	1.0	0	BGD	4.5	Gray fractured SHALE, trace iron staining.	-
						5.0	Light brown SILT, little fine Shale fragments, medium stiff, moist.	ML
						6.0	No Recovery	-
.04	85 52 61 88	2.00	2.0	0	BGD	8.0	AA(4.5'-5'), with gray fractured shale stiff, dry.	ML
.05	42 61 83 76	2.00	1.7	0	BGD	9.2	Gray-brown, trace yellow SILT, little fine to medium Shale fragments, soft, moist	ML
						9.7	Gray fractured SHALE.	-
						10.0	No Recovery	-

NOTES: Bottom of overburden at 16.0'. No samples were collected for chemical analysis.

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LOG OF BORING MW60-2

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

GROUND SURFACE ELEVATION:
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.06	30 38 46 91	2.00	1.7	0	BGD	11 / 11.7	Gray-brown SILT, little fine Shale fragments, trace coarse fragments, moist from (10-11'), wet from (11-11.3'), saturated lenses from (11.3-11.7').	ML
						12.0	No Recovery	-
.07	100/.4	0.40	0.4	0	BGD	12 / 12.4	Dark gray weathered, fractured SHALE, some Clay, little Silt, saturated.	CL
						13 / 14.0	No Recovery	-
.08	27 29 44 81	2.00	1.7	0	BGD	14 / 15 / 15.7	Gray SILT, little(+) Clay, little weathered Shale lenses, wetness on shale lenses.	ML
						16.0	No Recovery	-
.09	100/.3	0.30	0.3	0	BGD	16 / 16.3	Dark gray, highly fractured, weathered Shale, some Clay, trace lenses of Silt, saturated.	-
						17 / 18.0	No Recovery	-
.10	110/.5	0.50	0.5	0	BGD	18 / 18.3	Dark gray weathered SHALE, trace Silt + Clay.	-
						18.5	Gray fractured SHALE, slightly weathered, saturated.	-
						19	No Recovery	-

BORING TERMINATED AT 19.6'

NOTES: Bottom of overburden at 16.0'. No samples were collected for chemical analysis.

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LOG OF BORING MW60-2

LOG OF BORING NO. MW60-3

PROJECT:	SEVEN LOW PRIORITY AOCs
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA:	SEAD-60
PROJECT NO:	720518-01000
DATE STARTED:	03/02/94
DATE COMPLETED:	03/02/94
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD:	HOLLOW STEM AUGER
SAMPLING METHOD:	3" SPLIT SPOONS

DEPTH TO WATER (ft):	16.0
BORING LOCATION (N/E):	986469.1 751467.0
REFERENCE COORDINATE SYSTEM:	New York State Plane
GROUND SURFACE ELEVATION (ft):	743.3
DATUM:	NAD 1983
INSPECTOR:	FO
CHECKED BY:	FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.01	2 3 4 3	2.00	1.7	0	11	1.0		Brown SILT, little Organic material, moist.	ML
						1.7		Brown-gray SILT, trace Organic material, trace fine Shale fragments, trace Clay, little mottling, loose, moist.	ML
						2.0		No Recovery	-
.02	7 40 51 65	2.00	1.7	0	11	3.1		Brown-gray SILT, little Clay, little mottling, dense, moist.	ML
						3.7		Dark gray fractured SHALE, trace Silt, dry, saturated at the tip of the spoon.	-
						4.0		No Recovery	-
.03	32 28 25 100/.3	1.80	1.6	0	6	4.4		Dark gray fractured SHALE, saturated	-
						5.6		Light brown SILT, little fine to medium Shale fragments, trace Clay, dense, moist.	ML
						6.0		No Recovery	-
.04	48 48 55 60	2.00	1.8	0	11	6.3		Gray fractured SHALE with calcite filled veins, dry.	-
						7.8		Light brown SILT, some fine to very coarse Shale fragments, loose, dry.	ML
						8.0		No Recovery	-
.05	100/.4	0.40	0.4	0	9	8.4		Light brown SILT, little fine to medium Shale fragments, loose, dry.	ML
						10.0		No Recovery	-

NOTES: Bottom of overburden - 19.3'. No samples were collected for chemical analysis.

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LOG OF BORING MW60-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

GROUND SURFACE ELEVATION:
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	18 41 40 55	2.00	1.5	0	14	11 11.5		Dark gray CLAY + SILT, little fine to very coarse Shale fragments, soft to stiff, dry. Wet at tip.	ML
						12.0		No Recovery	-
.07	50 52 56 60	2.00	2	0	14	12 12.2		Dark gray SILT, trace fine Shale fragments, saturated.	ML
						13 14.0		Dark gray SILT, some Clay, little fine to medium Shale fragments, stiff, moist. Trace wetness at 12.5'.	ML
.08	41 85 100/.3	1.30	1.3	0	9	14 14.3		AA, loose.	ML
						14.8		Dark gray weathered SHALE.	-
						15 15.3		AA (14-14.3') soft, dry. Saturated at the interface of soil + weathered Shale (14.9').	ML
						16.0		No Recovery	-
.09	100/.4	0.40	0.4	0	11	16 16.4		Dark gray SILT + CLAY + weathered SHALE, saturated.	ML
						17 18.0		No Recovery	-
.10	44 85 100/.3	1.30	1.3	0	14	18 18.3		Dark gray weathered SHALE, saturated.	-
						19 19.3		Dark gray-brown SILT, some(+) Clay, some Shale, stiff, moist.	ML
						20.0		No Recovery	-
.11	100/.3	0.30	0.3	0	10	20 20.3		Dark gray weathered SHALE, saturated.	-
						21 22.0		No Recovery	-
.12	100/.3	0.30	0.3	0	9	22 22.3		Dark gray SHALE (Bedrock)	-

NOTES: Bottom of overburden - 19.3'. No samples were collected for chemical analysis.

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LOG OF BORING MW60-3

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
						23		No Recovery	-
.13	100/.1	0.10	0.1	0	11	24 (24.0)		Dark gray SHALE.	

BORING TERMINATED AT 24.1'

NOTES: Bottom of overburden - 19.3'. No samples were collected for chemical analysis.

LOG OF BORING NO. SB60-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-60
PROJECT NO: 720518-01000
DATE STARTED: 02/28/94
DATE COMPLETED: 02/28/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOON

DEPTH TO WATER (ft): 11.3
BORING LOCATION (N/E): 986473.4 751650.2
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): NA
DATUM: NAD 1983
INSPECTOR: FO,KK
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	18 14 13 10	2.00	1.6	0	BGD	0.8	Light brown-gray SILT, some fine Shale fragments and Gravel, little fine Sand, little Organic, loose, dry.	ML
						1.7	Light brown-gray SILT, little coarse Shale fragments and fine Gravel, trace Clay, trace Organic, very stiff.	ML
						2.0	No Recovery	-
.02	14 10 13 13	2.00	0.8	0	BGD	2.4	Brown-gray SILT, some Clay and medium to coarse Shale, medium stiff, dry to moist.	ML
						2.8	Brown-gray SILT, some fine to medium Shale fragments, little Clay, soft, moist. Saturated at 2.7'	ML
						4.0	No Recovery	-
.03	40 100/.4	0.90	0.6	0	BGD	4.6	Brown-gray SILT, little Clay and fine to medium Shale fragments, wet(+). Saturated at 4.5'	ML
						6.0	No Recovery	-
.04	100/.4	0.40	.4	0	BGD	6.4	Light brown SILT, some fine Shale fragments, trace Clay, trace medium Shale fragments, stiff, moist.	ML
						8.0	No Recovery	-
.05	44 70 75 80	2.00	1.6	0	BGD	9.6	Gray SILT, some fine to medium weathered Shale fragments, very stiff, moist to wet.	ML
						10.0	No Recovery	-

NOTES: Bottom of overburden at 18.4'. Samples SB60-1.00(0-2"), SB60-1.01(0.2'-2'), SB60-1.02(2'-4'), SB60-1.02(2'-4') MRD, and SB60-1.20 (duplicate of .02) sent to lab for chemical analysis.

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LOG OF BORING SB60-1

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.06	17 24 42 40	2.00	1.3	0	BGD	11.0	Gray Silt and fine to coarse SHALE fragments, medium stiff, wet.	GM
						11.3	Black fractured SHALE fragments, some Silt, wet to saturated.	GM
						12.0	No Recovery	-
.07	36 34 40 60	2.00	1.8	0	BGD	13.5	Gray SILT, some medium to coarse Shale fragments,stiff, wet to saturated.	ML
						13.8	Gray SILT and coarse competent SHALE fragments, stiff, dry with saturated lenses.	GM
						14.0	No Recovery	-
.08	100/.4	0.40	.35	0	BGD	14.4	Dark gray SILT and SHALE, little Clay, loose, moist to wet.	GM
						16.0	No Recovery	-
.09	100/.3	0.30	.3	0	BGD	16.3	Dark gray SILT and SHALE, medium stiff, wet.	GM
						18.0	No Recovery	-
.10	80 100/.3	0.80	.8	0	BGD	18.4	Gray SILT, some Shale fragments, very stiff, moist.	ML
						18.8	Gray weathered SHALE, some Silt, very stiff, moist.	-
						20.0	No Recovery	-
.11	85 100/.2	0.70	.5	0	BGD	20.2	Gray SILT, some fine to medium Shale fragments, stiff, saturated.	ML
						20.5	Gray fractured SHALE coarsely laminated, loose, saturated.	-
						22.0	No Recovery	-
.12	100/.3	0.30	.3	0	BGD	22.1	Gray SILT, little fine Shale fragments, soft, saturated.	ML
						22.3	Black SHALE-fractured, finely laminated, saturated	-

NOTES: Bottom of overburden at 18.4'. Samples SB60-1.00(0-2"), SB60-1.01(0.2'-2'), SB60-1.02(2'-4'), SB60-1.02(2'-4') MRD, and SB60-1.20 (duplicate of .02) sent to lab for chemical analysis.

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LOG OF BORING SB60-1

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
						23 24		No Recovery	-
								BORING TERMINATED AT 24.5' AUGER REFUSAL	

NOTES: Bottom of overburden at 18.4'. Samples SB60-1.00(0-2"), SB60-1.01(0.2'-2'), SB60-1.02(2'-4'), SB60-1.02(2'-4') MRD, and SB60-1.20 (duplicate of .02) sent to lab for chemical analysis.

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UNITED STATES ARMY
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Seneca Army Depot
Romulus, New York

LOG OF BORING SB60-1

LOG OF BORING NO. SB60-2

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-60
PROJECT NO: 720518-01000
DATE STARTED: 06/07/94
DATE COMPLETED: 06/07/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 8.0
BORING LOCATION (N/E): 986501.8 751634.2
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): NA
DATUM: NAD 1983
INSPECTOR: FO
CHECKED BY: FO

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Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	1 1 3 13	2.00	1.2	7 4 1 1	BGD	0.3	Dark gray-black SILT, some very fine Sand, trace fine Shale fragments, trace(-) Organic material, strong petroleum odor (soil is stained), contains oily sheen.	ML
						0.6	Gray SILT, some fine Sand, trace Organic material, wet.	ML
						1.2	Light brown SILT, little very fine Sand, trace very fine to fine Shale fragments, trace coarse Shale fragments at tip, loose, moist.	ML
						2.0	No Recovery	-
.02	27 45 100/.4	1.40	1.4	2.4	BGD	2.4	AA (0.6-1.2')	ML
						3.4	AA and weathered-fractured Shale.	ML
						4.0	No Recovery	-
.03	51 100/.3	0.80	0.6	0.6	BGD	4.6	Light brown very fine SAND and SILT, trace very fine to fine Shale fragments, loose, moist.	SM
						6.0	No Recovery	-
.04	50 66 100/.3	1.30	1.1	0	BGD	7.1	Gray-brown SILT, little very fine Sand, little(-) fine to coarse Shale fragments, loose to medium stiff, wet.	ML
						8.0	No Recovery	-
.05	21 31 52 42	2.00	1.7	0	BGD	9.2	AA (6.0-7.1') with fine to medium SHALE fragments, little Clay, saturated 8.0'-8.3', wet 8.3-9.2'	GM
						9.3	Highly weathered SHALE, saturated.	-
						9.7	Gray Brown SILT, some Shale fragments little(+) Clay, trace very fine Sand, wet to saturated.	ML
						10.0		-

NOTES: Bottom of overburden at 10'. Perched water at 2'. Samples SB60-2.00(0-2"), SB60-2.02(2'-4'), SB60-2.04(6'-8'), SB60-2.00MRD, and SB60-2.20 (duplicate of .00) sent to lab for chemical analysis.

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LOG OF BORING SB60-2

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Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	60 100/.2	0.70	0.7	0	BGD	10.7		Gray fractured and weathered SHALE.	-
						11 12.0		No Recovery	-
.07	63 100/.2	0.70	0.7	0	BGD	12		AA (10'-10.7')	-

BORING TERMINATED AT 12.7'

NOTES: Bottom of overburden at 10'. Perched water at 2'. Samples SB60-2.00(0-2"), SB60-2.02(2'-4'), SB60-2.04(6'-8'), SB60-2.00MRD, and SB60-2.20 (duplicate of .00) sent to lab for chemical analysis.

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LOG OF BORING SB60-2

LOG OF BORING NO. SB60-3

PROJECT: **SEVEN LOW PRIORITY AOCs**
PROJECT LOCATION: **SENECA ARMY DEPOT, ROMULUS NY**
ASSOCIATED UNIT/AREA: **SEAD-60**
PROJECT NO: **720518-01000**
DATE STARTED: **06/08/94**
DATE COMPLETED: **06/08/94**
DRILLING CONTRACTOR: **EMPIRE SOILS INVESTIGATIONS**
DRILLING METHOD: **HOLLOW STEM AUGER**
SAMPLING METHOD: **3" SPLIT SPOONS**

DEPTH TO WATER (ft): **8.0**
BORING LOCATION (N/E): **986527.0 751622.8**
REFERENCE COORDINATE SYSTEM: **New York State Plane**
GROUND SURFACE ELEVATION (ft): **NA**
DATUM: **NAD 1983**
INSPECTOR: **FO**
CHECKED BY: **FO**

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	1, 1, 4, 8	2.00	1.7	0	BGD	0.3	Brown SILT + very fine to fine SAND, some organic material, little medium Sand, loose, wet to saturated.	ML
						0.6	Gray-brown SILT, little very fine Sand, little(-) organic material, loose, wet.	ML
						0.7	Light brown very fine SAND, trace(+) Silt, saturated.	SP
						1.0	Light gray-brown SILT + CLAY, little(-) very fine Sand, trace organic material, loose, wet.	ML
						1.7	Light gray-brown SILT, little very fine Sand, trace fine Shale fragments, medium stiff, moist.	ML
						2.0	No Recovery	-
.02	46, 100/.4	0.90	0.8	0	BGD	2.4	Light brown SILT + very fine SAND, loose, dry.	SM
						2.8	Fractured SHALE, trace iron staining, dry.	-
						4.0	No Recovery	-
.03	50, 110	1.00	1.0	0	BGD	5.0	Light brown SILT, little very fine Sand, trace fine Shale fragments, medium stiff, damp.	ML
						6.0	No Recovery	-
.04	36, 40, 44, 50	2.00	1.8	0	BGD	7.8	Gray-brown SILT, little(-) very fine Sand, trace(+) fine Shale fragments, trace medium Shale fragments (7.6-7.8'), trace iron staining, medium stiff, moist.	ML
						8.0	No Recovery	-
.05	21, 40, 62, 45	2.00	1.6	0	BGD	9.2	Gray-brown SILT, little fine to medium Shale fragments, trace very fine Sand, saturated. Very fine Gravel lense (8.9-9.1').	ML
						9.6	Gray weathered, fractured SHALE, saturated.	-
						10.0	No Recovery	-

NOTES: Bottom of overburden at 9.2'. The following samples were collected for chemical analysis: SB60-3.00(0-2"), SB60-3.03(4'-6'), SB60-3.04(6'-8').

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LOG OF BORING SB60-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

GROUND SURFACE ELE
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	20 25 50 45	2.00	1.8	0	BGD	11		Gray, highly weathered SHALE, saturated.	-
								BORING TERMINATED AT 11.8'	

NOTES: Bottom of overburden at 9.2'. The following samples were collected for chemical analysis: SB60-3.00(0-2"), SB60-3.03(4'-6'), SB60-3.04(6'-8').

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LOG OF BORING SB60-3

LOG OF BORING NO. MW62-1

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	5.7
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	986972.2 753046.3
ASSOCIATED UNIT/AREA:	SEAD-62	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	751.3
DATE STARTED:	03/28/94	DATUM:	NAD 1983
DATE COMPLETED:	03/28/94	INSPECTOR:	FO
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.01	1 2 5 8	2.00	1.7	0	BGD	0.4		Brown SILT + organic material, wet to saturated.	OL
						0.9		Brown SILT, little organic material, wet to saturated.	ML
						1.7		Gray-brown-yellow CLAY, little Silt, trace organic material, trace very fine Sand, trace fine Shale fragments, moist to wet.	CL
						2.0		No Recovery	-
.02	13 18 16 20	2.00	1.6	0	BGD	2.9		Gray-brown CLAY + SILT, trace very fine Sand, trace fine to medium Shale fragments, medium stiff, moist.	ML
						3.4		AA and weathered Shale.	-
						3.6		Gray-brown SILT + CLAY + very fine SAND, moist.	ML
						4.0		No Recovery	-
.03	16 32 28 31	2.00	1.7	0	BGD	4.3		Dark gray fractured SHALE, wet to saturated.	-
						5.7		Light brown SILT, little Clay, little fine to medium Shale fragments, medium stiff, moist.	ML
						6.0		No Recovery	-
.04	100/.2	0.20	0.2	0	BGD	6.2		AA(4.3'-5.7') some fractured Shale, saturated.	ML
								No Recovery	-

BORING TERMINATED AT 8.1'
AUGER REFUSAL

NOTES: Bottom of overburden at 6.2'. No samples were collected for chemical analysis. Lithology for (6.2-8.1) was determined from the drill cuttings while augering to refusal.

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LOG OF BORING MW62-1

LOG OF BORING NO. MW62-2

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-62
PROJECT NO: 720518-01000
DATE STARTED: 06/27/94
DATE COMPLETED: 06/27/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 2" SPLIT SPOONS

DEPTH TO WATER (ft): 9.2
BORING LOCATION (N/E): 986879.4 752433.9
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 747.5
DATUM: NAD 1983
INSPECTOR: KK
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	1 2 2 3	2.00	1.2	0	BGD	0.5	Dark brown SILT and CLAY, little Organics, soft, moist.	ML
						1.2	Light gray CLAY, trace Organics, soft moist, iron stained.	CL
						2.0	No Recovery	-
.02	6 15 90 10	2.00	1.1	0	BGD	2.3	AA(.5-1.2')	CL
						2.9	Light gray CLAY, little Silt, little very fine to fine gray, tan, and dark brown highly weathered Shale fragments, stiff, moist.	CL
						3.1	Tan CLAY, trace Silt, soft, moist.	CL
						4.0	No Recovery	-
.03	6 20 31 27	2.00	1.5	0	BGD	4.8	Light brown SILT, some very fine Sand, little fine gray Shale fragments, trace medium gray Shale fragments, little iron staining, medium stiff, moist.	ML
						5.2	Gray fractured SHALE, slightly weathered, dry, little iron staining.	-
						5.5	AA, (4-4.8').	ML
						6.0	No Recovery	-
.04	55 58 62 48	2.00	2	0	BGD	6.6	AA (5.2-5.5'), some gray fine to coarse Shale fragments.	ML
						7.5	Light brown SILT and very fine SAND, some fine to coarse gray Shale fragments, medium stiff, moist, little iron staining.	ML
						7.8	Light brown SILT and gray fractured SHALE, moist.	ML
.05	20 70 72 100/	1.70	1.7	0	BGD	8.4	Gray-brown CLAY and SILT, little fine to coarse gray Shale fragments, medium stiff, moist.	ML
						9.0	Gray-brown SILT and very fine SAND, little iron staining, little fine to medium gray Shale fragments, medium stiff, wet.	SM
						9.4	Very fine to medium SAND, little Shale fragments, saturated.	SP
						9.6	Fractured SHALE, little iron staining, saturated.	-
						9.7	AA(8.4-9')	-

NOTES: Boring was drilled approximately 10' west of boring MW62-2A. No samples were collected for chemical analysis. Bottom of overburden at 9.7'.

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LOG OF BORING MW62-2

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

GROUND SURFACE ELEVATION:
INSPECTOR: KK
CHECKED BY: FO

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Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
								BORING TERMINATED AT 9.8' AUGER REFUSAL	

NOTES: Boring was drilled approximately 10' west of boring MW62-2A. No samples were collected for chemical analysis. Bottom of overburden at 9.7'.

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LOG OF BORING MW62-2

LOG OF BORING NO. MW62-2A

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	NA
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	
ASSOCIATED UNIT/AREA:	SEAD-62	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/25/94	DATUM:	NAD 1983
DATE COMPLETED:	06/25/94	INSPECTOR:	KK
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	2" SPLIT SPOONS		

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Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.01	1 2 2 3	2.00	1.2	0	BGD	0.5		Dark brown SILT and CLAY, little Organics, soft, moist.	ML
						1.2		Light gray CLAY, trace organics, stiff, moist,little iron staining.	CL
						2.0		No Recovery	-
.02	6 15 90 10	2.00	1.1	0	BGD	2.3		AA(.5-1.2')	CL
						2.9		Light gray CLAY, little Silt, little very fine to fine highly weathered gray, tan, and dark brown Shale fragments, stiff, moist.	CL
						3.1		Tan CLAY, trace Silt, soft, moist.	CL
						4.0		No Recovery	-
.03	9 17 20 30	2.00	2.0	0	BGD	6.0		Light brown SILT and very fine SAND, little iron-stained Clay, gray little very fine to medium Shale fragments, stiff, dry to moist.	ML
.04	90 100/.4	0.90	0.9	0	BGD	8.0		Light brown to olive gray very fine SAND, some Silt, little very fine to fine highly weathered gray Shale fragments, very stiff, slightly moist to moist, little iron staining.	SM
.05	100/.1	0.10	0	NA	NA			No Recovery.	-

BORING TERMINATED AT 8.5'

NOTES: Terminated boring at 8.5'- encountered a boulder. No water bearing zones were observed during drilling. No samples were collected for chemical analysis. MW62-2 was relocated 10' east of MW62-2A.

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LOG OF BORING MW62-2A

LOG OF BORING NO. MW64A-1

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	6.0
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	992409.1 750892.2
ASSOCIATED UNIT/AREA:	SEAD-64A	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	745.8
DATE STARTED:	04/02/94	DATUM:	NAD 1983
DATE COMPLETED:	04/02/94	INSPECTOR:	FO
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 9 9 8	2.00	1.4	0	BGD	0.3	Brown SILT, little organic material, trace fine Shale fragments.	ML
						1.4	Light brown SILT, trace Clay, trace fine to coarse Shale fragments, loose, moist	ML
						2.0	No Recovery	-
.02	8 8 10 12	2.00	1.2	0	BGD	3.2	Light brown SILT, trace very fine to fine Shale fragments, trace coarse Shale fragments, trace very fine Sand (2.9-3.2'), loose, moist.	ML
						4.0	No Recovery	-
.03	8 19 21 16	2.00	1.6	0	BGD	4.2	Pink-brown SILT + CLAY, trace fine to medium Shale fragments, loose, moist to wet.	ML
						5.6	Gray-brown SILT, trace(+) fine to medium Shale fragments, trace weathered Shale, dry, dry to moist.	ML
						6.0	No Recovery	-
.04	82 100/.1	0.60	0.6	0	BGD	6.4	Light brown very fine SAND, some(-) Silt, trace very fine Shale fragments, loose, saturated.	SM
						6.6	Gray fractured, slightly weathered SHALE, wet to saturated.	-
						8.0	No Recovery	-
.05	47 100/.25	0.75	0.6	0	BGD	8.6	Gray highly fractured, weathered SHALE, wet between fracture planes.	-
							No Recovery	-

NOTES: Bottom of overburden at 6.4'. The following samples were collected for chemical analysis: MW64A-1.00(0-2"), MW64A-1.02(2'-3.2'), MW64A-1.03(4'-5.6').

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LOG OF BORING MW64A-1

PROJECT: SEVEN LOW PRIORITY AOCS
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	100/.2	0.20	0	0	BGD			No Recovery	-
								BORING TERMINATED AT 10.7' AUGER REFUSAL	

NOTES: Bottom of overburden at 6.4'. The following samples were collected for chemical analysis: MW64A-1.00(0-2"), MW64A-1.02(2'-3.2'), MW64A-1.03(4'-5.6').

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LOG OF BORING MW64A-1

LOG OF BORING NO. MW63-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-63
PROJECT NO: 720518-01000
DATE STARTED: 06/14/94
DATE COMPLETED: 06/14/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 2" SPLIT SPOONS

DEPTH TO WATER (ft): 4.0
BORING LOCATION (N/E): 1013181.9 741130.1
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 631.8
DATUM: NAD 1983
INSPECTOR: KK
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	2 3 3 4	2.00	2.0	0	BGD	0.3	Olive gray SILT + fine SAND, some coarse Sand, little organics, loose, moist.	ML
						0.5	Gray coarse sand-sized SHALE fragments, little fine Sand, loose, wet.	GM
							Brown SILT, trace weathered fine Shale, trace iron-stained Clay, medium stiff to stiff, moist.	ML
						1.2	Brown SILT and tan very fine SAND, trace iron stained Clay, some gray, iron-stained Clay, trace very fine Sand, trace fine weathered shale, medium stiff, moist to wet.	ML
.02	4 5 5 5	2.00	1.8	0	BGD	2.0	Gray-brown, highly iron-stained CLAY, little fine to medium gray Shale fragments, trace weathered fine Shale, medium stiff, moist to wet, trace wetness on Shale fragments.	CL
						2.7	Light brown to brown very fine Sand, trace very fine gray Shale fragments, trace Silt, loose, wet to saturated.	SP
						3.0	Olive gray very fine to fine SAND, little very fine Shale fragments, trace Silt, trace fine to medium Shale fragments, loose, wet to saturated.	SM
						3.8	No Recovery	-
.03	4 4 3 4	2.00	1.3	0	9-21	4.0	AA (2.7'-3.0'), soft, saturated.	SP
						4.4	AA, little medium Shale fragments, very loose, saturated.	SP
						5.3	No Recovery	-
.04	24 78 100/.4	1.40	1.4	0	BGD	6.0	Olive gray very fine to fine SAND, some very fine to fine gray Shale fragments, trace Silt, soft, saturated.	SM
						6.7	Gray highly weathered SHALE, moist to wet.	
						6.8	Gray highly weathered SHALE, dry.	-
						7.4	No Recovery	-

BORING TERMINATED AT 8.3'

NOTES: Bottom of overburden at 6.7'. No samples were collected for chemical analysis.

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LOG OF BORING MW63-3

LOG OF BORING NO. MW64A-1A

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64A
PROJECT NO: 720518-01000
DATE STARTED: 03/31/94
DATE COMPLETED: 03/31/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 6.0
BORING LOCATION (N/E): 992205.5 750789.3
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 744.5
DATUM: NAD 1983
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	2, 6, 10, 9	2.00	1.4	0	BGD	0.7	Brown SILT, some organic material, trace medium Shale fragments, moist.	ML
						1.4	Brown SILT, little Clay, trace(+) Shale fragments, trace organic material, loose, moist.	ML
						2.0	No Recovery	-
.02	10, 10, 9, 10	2.00	1.6	0	BGD	3.0	Light brown CLAY, some Silt, trace fine Shale fragments (bedded/horizontal fracture planes), moist.	CL
						3.6	Light brown SILT, trace very fine Shale, trace organic material, loose, dry to moist	ML
						4.0	No Recovery	-
.03	9, 12, 18, 20	2.00	1	0	BGD	5.0	Light brown SILT, slightly weathered, fractured Shale at 5', dry to moist.	ML
						6.0	No Recovery	-
.04	24, 12, 8, 10	2.00	0.3	0	BGD	6.3	Light brown SILT, some very fine Sand, trace weathered Shale, saturated at tip.	ML
						8.0	No Recovery	-
.05	54, 72, 72, 81	2.00	1.8	0	BGD	9.1	Gray weathered SHALE, trace Silt + Clay, saturated.	-
						9.8	Weathered SHALE + SILT + CLAY, trace(+) banded iron staining, moist.	-

NOTES: Bottom of overburden at 6.3'. No samples were collected for chemical analysis.

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Romulus, New York

LOG OF BORING MW64A-1A

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	110/.5	0.50	0.5	0	BGD	10.0		Dark gray weathered, highly fractured SHALE, saturated.	-
						10.3		AA, (10-10.3), dry	-
						10.5		No Recovery	-
						11			
						12.0			
.07	100/.25	0.25	0.2	0	BGD	12 / 12.2		Dark gray weathered, highly fractured SHALE, dry.	-
								No Recovery	-

BORING TERMINATED AT 12.3'

NOTES: Bottom of overburden at 6.3'. No samples were collected for chemical analysis.

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LOG OF BORING MW64A-1A

LOG OF BORING NO. MW64A-2

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64A
PROJECT NO: 720518-01000
DATE STARTED: 04/01/94
DATE COMPLETED: 04/01/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 5.3
BORING LOCATION (N/E): 992447.6 750496.9
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 739.2
DATUM: NAD 1983
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 6 8 10	2.00	0.4	0	BGD	0.4	Brown SILT, little organic material, trace fine Gravel, gray Shale at tip of spoon.	ML
						2.0	No Recovery	-
.02	9 9 15 10	2.00	1.3	0	BGD	2.9	Light brown SILT, some Clay, trace fine Shale fragments, medium stiff, moist	ML
						3.3	Light brown SILT + very fine SAND, trace(+) Clay, saturated. Fine Shale + coarse Gravel at tip, saturated, wet to saturated at: (2.2-2.8), (2.9-3.3).	ML
						4.0	No Recovery	-
.03	6 8 11 50	2.00	1.6	0	BGD	4.9	Light brown very fine SAND + SILT, trace Shale fragment, loose, wet with trace saturated lenses.	ML
						5.3	AA, (4-4.9') trace fine to medium Shale fragments, wet to saturated.	ML
						5.6	Dark gray, very fractured, slightly weathered SHALE, trace iron staining, saturated.	-
						6.0	No Recovery	-
.04	62 100/.4	0.90	0.9	0	BGD	6.9	AA(5.3'-5.6'), fracture planes filled with gray-brown Clay, saturated.	-
						8.0	No Recovery	-
.05	100/.2	0.20	.2	0	BGD		Dark gray fractured SHALE.	-

BORING TERMINATED AT 8.2'
AUGER REFUSAL

NOTES: Bottom of overburden at 5.3'. No samples were collected for chemical analysis.

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LOG OF BORING MW64A-2

LOG OF BORING NO. MW64A-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64A
PROJECT NO: 720518-01000
DATE STARTED: 04/01/94
DATE COMPLETED: 04/01/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 4.0
BORING LOCATION (N/E): 992302.2 750529.2
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 737.8
DATUM: NAD 1983
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	1 2 5 6	2.00	1.1	0	BGD	0.6	Brown SILT, little organic material, trace fine Shale fragments, loose, wet.	ML
						1.1	AA, light brown with trace organic material.	ML
						2.0	No Recovery	-
.02	7 8 8 12	2.00	1.7	0	BGD	3.3	Gray-brown SILT, trace(+) Clay, very fine Shale fragments, trace fine to medium Shale, trace(-) organic material, loose, trace wet lenses.	ML
						3.7	Gray-brown SILT, little fine to medium Shale fragments, trace very fine Sand, trace weathered Siltstone (3.3-3.5'), loose, wet to saturated.	ML
						4.0	No Recovery	-
.03	53 100/.15	0.65	0.6	0	BGD	4.6	Dark gray, highly fractured, weathered SHALE, trace iron staining, trace fossils, trace Silt + Clay between fracture planes, saturated.	-
						6.0	No Recovery	-
.04	50 100/.15	0.65	0.5	0	BGD	6.3	Gray, very fractured + moderately weathered SHALE, little gray Silt + Clay, wet.	-
						6.5	Gray, highly fractured + very weathered SHALE + SILT + CLAY, trace(+) mottling, moist to wet.	-
						8.0	No Recovery	-
.05	50 100/.2	0.70	0.5	0	BGD	8.5	Gray, highly weathered SHALE, wet to saturated between fracture plane.	-
							No Recovery	-
							BORING TERMINATED AT 8.7'	

NOTES: Bottom of overburden at 4'. No samples were collected for chemical analysis.

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LOG OF BORING MW64A-3

LOG OF BORING NO. MW63-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-63
PROJECT NO: 720518-01000
DATE STARTED: 06/13/94
DATE COMPLETED: 06/13/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 2" SPLIT SPOONS

DEPTH TO WATER (ft): 4.3
BORING LOCATION (N/E): 1013124.1 741608.4
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 638.3
DATUM: NAD 1983
INSPECTOR: KK
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3, 5, 5, 5	2.00	1.5	0	BGD	0.3	Gray-brown SILT, some very fine Sand, some organics, loose, dry.	ML
						0.6	AA, no organics, medium stiff.	ML
						0.9	Pink-brown SILT, little very fine Sand, trace(-) organics, medium stiff, dry.	ML
						1.5	Brown, very fine SAND + SILT, trace Clay, trace(+) organics, trace fine gray weathered Shale fragments, medium stiff, moist.	ML
						2.0	No Recovery	-
.02	6, 8, 10, 14	2.00	1.2	0	BGD	2.4	Brown very fine SAND, some Silt, trace fine Shale fragments, little weathered Shale fragments, moist to wet.	SM
						2.8	Brown SILT, some very fine Sand, trace weathered Shale fragments, moist.	ML
						3.2	AA, little(+) weathered Shale.	ML
						4.0	No Recovery	-
.03	5, 9, 27, 72	2.00	1.8	0	BGD	4.3	Light brown very fine SAND, some Silt, trace weathered Shale fragments and trace fine Shale fragments.	SM
						5.0	Weathered SHALE, some Silt and very fine Sand, medium stiff, wet to saturated.	ML
						5.8	Highly weathered SHALE, moist.	-
						6.0	No Recovery	-
.04	93, 100/.2	0.70	0.7	0	BGD	6.7	Highly weathered SHALE, dry.	-
						8	No Recovery	-

BORING TERMINATED AT 8'
AUGER REFUSAL

NOTES: Bottom of overburden at 5'. No samples were collected for chemical analysis.

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LOG OF BORING MW63-1

LOG OF BORING NO. MW63-2

PROJECT:	SEVEN LOW PRIORITY AOCs
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA:	SEAD-63
PROJECT NO:	720518-01000
DATE STARTED:	06/14/94
DATE COMPLETED:	06/14/94
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD:	HOLLOW STEM AUGER
SAMPLING METHOD:	2" SPLIT SPOONS
DEPTH TO WATER (ft):	4.0
BORING LOCATION (N/E):	1012979.9 741136.2
REFERENCE COORDINATE SYSTEM:	New York State Plane
GROUND SURFACE ELEVATION (ft):	630.9
DATUM:	NAD 1983
INSPECTOR:	KK
CHECKED BY:	FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 4 4 5	2.00	1.2	0	BGD	0.2	Dark brown SILT + very fine SAND, some organics, trace very fine gray Shale fragments, loose, moist to wet.	ML
						0.5	Gray fractured, weathered SHALE, dry.	-
						1.0	Light brown SILT and very fine SAND, trace iron-stained Clay, little very fine to fine gray Shale fragments, trace medium gray Shale fragments, medium stiff, moist.	ML
						1.2	Light brown SILT, trace Clay, soft to medium stiff, moist. Iron stained.	ML
						2.0	No Recovery	-
.02	6 8 8 7	2.00	1.4	0	BGD	2.5	Light brown and olive gray SILT + CLAY, trace fine weathered Shale fragments, medium stiff, moist.	ML
						2.6	AA, some iron staining.	ML
						3.2	Olive gray SILT + CLAY, some fine to medium weathered gray Shale fragments, medium stiff, moist, trace wetness on Shale fragments. Some iron staining.	ML
						3.4	Olive gray SILT and very fine SAND, little very fine to fine weathered gray Shale fragments, soft, wet to saturated.	ML
						4.0	No Recovery	-
.03	2 1 1 2	2.00	0.7	0	BGD	4.4	Olive gray very fine to fine SAND, coarse Sand-sized gray Shale fragments, some fine gray Shale fragments, soft, saturated.	SP
						4.6	Olive gray SILT + CLAY, little very fine Sand, little very fine to fine gray Shale fragments, saturated.	ML
						4.7	AA, (4-4.4').	ML
						6.0	No Recovery	-
.04	12 24 75 100/.4	2.00	1.9	0	BGD	6.9	Olive gray very fine to fine SAND, some very fine to medium weathered gray Shale fragments, trace Silt, soft, saturated.	SP
						7.9	Highly weathered SHALE, saturated (6.9-7'), moist (7-7.2'), dry (7.2-7.9').	-
							No Recovery	-

BORING TERMINATED AT 8.2'

NOTES: Bottom of overburden at 6.9'. No samples were collected for chemical analysis.

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LOG OF BORING MW63-2

LOG OF BORING NO. MW62-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-62
PROJECT NO: 720518-01000
DATE STARTED: 06/27/94
DATE COMPLETED: 06/28/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 2" SPLIT SPOONS

DEPTH TO WATER (ft): 8.4
BORING LOCATION (N/E): 986348.3 752362.3
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 747.9
DATUM: NAD 1983
INSPECTOR: KK
CHECKED BY: FO

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Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	1 2 4 5	2.00	1.2	0	BGD	0.5	Gray-brown SILT, little Clay, little organic, soft, wet.	ML
						1.2	Iron-stained, gray CLAY, little Silt, trace organics, medium stiff, moist.	CL
						2.0	No Recovery	-
.02	5 10 14 15	2.00	1.4	0	BGD	3.1	Gray, iron-stained CLAY, little highly weathered, very fine gray Shale fragments, medium stiff, moist, trace(-) Organics.	CL
						3.3	Gray-brown SILT and very fine SAND, some very fine to medium gray Shale fragments, stiff, dry to slightly moist.	ML
						3.4	AA, (2.7-3.1'), no fine medium gray Shale fragments.	ML
						4.0	No Recovery	-
.03	12 16 16 100/.2	1.70	1.5	0	BGD	4.4	AA (2.3-3.4')	ML
						5.2	Gray-brown SILT and CLAY grading to Silt and very fine Sand, trace Clay, trace(+) very fine to medium gray Shale fragments, medium stiff, moist.	ML
						5.5	Gray-brown, very fine SAND, little Silt, trace(+) very fine to medium weathered gray Shale fragments and Gravel, medium stiff, wet to saturated.	SM
						6.0	No Recovery	-
.04	26 38 32 30	2.00	1.2	0	BGD	6.7	Gray fractured SHALE, dry.	-
						7.2	Grading from SILT and very fine SAND, trace Clay to very fine SAND, little Silt, little coarse sand-sized gray Shale fragments, little fine to medium gray Shale fragments, medium stiff to soft, moist to wet.	ML
						8.0	No Recovery	-
.05	35 56 43 35	2.00	2.0	0	BGD	8.4	Grading from very fine SAND, little Silt, to very fine to fine SAND, some fine to coarse gray Shale fragments, trace Silt, loose, wet.	SM
						10.0	Alternating lenses of fine SAND and SILT, and gray fractured SHALE, saturated.	ML

NOTES: Bottom of overburden at 14.5'. No samples were collected for chemical analysis.

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Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.06	19 42 52 100/.2	1.70	1.4	0	BGD	11.4	Light gray very fine to fine SAND, little Silt, little very fine to medium gray Shale fragments, loose, saturated.	SM
						12.0	No Recovery	-
.07	32 64 62 43	2.00	1.6	0	BGD	12.2	Fractured SHALE, saturated.	-
						12.5	AA, (10-11.4).	SM
						12.7	Highly weathered, highly fractured SHALE, wet.	-
						13.4	Very fine to fine SAND, little very fine to fine gray Shale fragments, very dense, moist.	SP
						13.6	Very fine to medium gray SHALE fragments, some fine Sand, very dense, moist.	GM
						14.0	No Recovery	-
.08	31 38 100/.4	1.40	1.4	0	BGD	15.4	Alternating lenses of dark gray SILT and very fine SAND, some very fine to medium gray Shale fragments, little Clay, and gray fractured and weathered SHALE, saturated	ML
						16.0	No Recovery	-
.09	9 100/.4	0.90	0.4	0	BGD	16.2	Gray highly weathered, finely laminated SHALE, saturated.	-
						16.5	Highly weathered, finely laminated SHALE and SILT, soft, saturated.	-
						18.0	No Recovery	-
.10	100/.3	0.30	0.3	0	BGD	18.1	Gray fractured SHALE, saturated.	-
							Fractured SHALE, dry.	-

BORING TERMINATED AT 18.3'

NOTES: Bottom of overburden at 14.5'. No samples were collected for chemical analysis.

LOG OF BORING NO. SB64A-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64A
PROJECT NO: 720518-01000
DATE STARTED: 05/27/94
DATE COMPLETED: 05/27/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): NA
BORING LOCATION (N/E): 992513.0 750711.2
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): NA
DATUM: NAD 1983
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 4 5 5	2.00	1.3	0	BGD	0.6	Gray-brown SILT, some(-) organic material, little Clay, trace very fine Sand, trace fine to medium Shale, loose, moist.	ML
						1.3	Light brown SILT, little very fine Sand, trace fine to medium Shale, trace(-) Cobbles, trace(-) brick, loose, dry.	ML
						2.0	No Recovery	-
.02	7 7 8 9	2.00	1.3	0	BGD	2.7	Brown very fine SAND + SILT, trace(-) fine Shale fragments, trace(-) organic material, loose, dry.	ML
						3.3	Light brown SILT, some very fine Sand, trace fine to medium Shale fragments, loose, dry.	ML
						4.0	No Recovery	-
.03	80 80 100/.2	1.20	1.1	0	BGD	4.8	Light brown SILT, little very fine Sand, trace(+) fine to medium Shale fragments, loose, moist.	ML
						5.1	Fractured SHALE, trace iron staining, dry, wetness at 4.8'.	-
						6.0	No Recovery	-
.04	42 18 38 100/.2	1.70	1.7	0	BGD	6.6	Gray fractured/weathered SHALE, moist.	-
						7.3	Gray-light brown CLAY + SILT, little(+) fine to medium Shale fragments, little(-) very fine Sand, stiff, moist to wet.	ML
							Gray, highly weathered, laminated SHALE, loose, dry.	-

BORING TERMINATED AT 7.7'

NOTES: Bottom of overburden at 4.8'. The following samples were collected for chemical analysis: SB64A-1.00(0-2"), SB64A-1.02(2'-4'), SB64A-.04(6'-8').

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LOG OF BORING SB64A-1

LOG OF BORING NO. SB64A-2

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	6.9
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	992364.6 750676.3
ASSOCIATED UNIT/AREA:	SEAD-64A	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/10/94	DATUM:	NAD 1983
DATE COMPLETED:	06/10/94	INSPECTOR:	KK,LK
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	2" & 3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.01	7 16 7 8	2.00	1.7	0	BGD	0.6		Brown very fine to fine SAND, some fine gray Shale fragments and Gravel, trace organic, loose, dry. FILL	SW
						0.9		Highly weathered, highly fractured coarse gray SHALE fragments, trace(+) very fine to fine Sand, dry. FILL	GW
						1 1.5		Fine to medium SAND, some fine gray Shale fragments, little medium gray Shale fragments, trace very fine Sand, loose, slightly moist. FILL	SW
						1.7		AA, moist. BOTTOM OF FILL	SW
						2.0		No Recovery	-
.02	7 6 6 8	2.00	1.8	0	BGD	2 3 3.3		Light brown SILT + very fine SAND, little(+) fine to medium gray Shale fragments, trace organics, trace very fine mica chips, soft to medium stiff, moist to wet.	ML
						3.8		Brown SILT + very fine SAND, trace very fine mica chips, trace fine gray Shale fragments, soft to medium dense, moist to wet.	ML
						4.0		No Recovery	-
.03	7 8 22 16	2.00	1.7	0	BGD	4 5.0		AA, (3.3-3.8').	ML
						5 5.2		Fractured SHALE COBBLE.	-
						5.7		AA, (3.3-3.8) some fine to medium gray Shale fragments.	ML
						6.0		No Recovery	-
.04	20 24 80 100/.3	1.80	1.6	0	BGD	6 6.9		AA(5.2'-5.7') moist to wet.	ML
						7 7.2		AA, saturated.	ML
						7.3		Highly weathered, fractured gray SHALE, saturated.	-
						7.6		AA, dry.	-
								No Recovery	-

BORING TERMINATED AT 7.8'
AUGER REFUSAL

NOTES: Bottom of fill at 1.7'. Bottom of overburden at 7.2'. The following samples were collected for chemical analysis: SB64A-2.00(0-2"), SB64A-2.02(2'-4'), SB64A-2.03(4'-6').

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Seneca Army Depot
Romulus, New York

LOG OF BORING SB64A-2

LOG OF BORING NO. SB64A-3

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	3.0
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	992356.5 750540.9
ASSOCIATED UNIT/AREA:	SEAD-64A	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/10/94	DATUM:	NAD 1983
DATE COMPLETED:	06/10/94	INSPECTOR:	KK,LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 5 7 7	2.00	1.8	0	BGD	0.4	Brown very fine SAND, little organics, little fine to medium gray Shale fragments and Gravel, loose, dry.	SW
						1.8	Light brown very fine SAND + SILT, trace fine gray Shale fragments, trace fine mica chips.	ML
						2.0	No Recovery	-
.02	6 5 7 14	2.00	1.9	0	BGD	2.6	AA, (.4'-1.8').	ML
						3.0	Olive gray to light brown SILT, some very fine Sand, some fine gray Shale fragments, trace medium gray Shale fragments, medium stiff, moist to wet.	ML
						3.9	Grading from AA, (2.6-3.0') to light brown Silt and very fine Sand, some fine gray Shale fragments, trace fine Sand, medium stiff, saturated.	ML
						4.0	No Recovery	
.03	12 100/.4	0.90	0.9	0	BGD	4.3	AA, (3.0-3.9').	ML
						4.9	Gray highly fractured, highly weathered SHALE.	-
							No Recovery	-

BORING TERMINATED AT 5.5'
AUGER REFUSAL

NOTES: Bottom of overburden at 4.3'. The following samples were collected for chemical analysis: SB64A-3.00(0-2"), SB64A-3.01(2"-2'), SB64A-3.02(2'-4').

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LOG OF BORING SB64A-3

LOG OF BORING NO. MW64B-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64B
PROJECT NO: 720518-01000
DATE STARTED: 05/13/94
DATE COMPLETED: 05/14/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 8.4
BORING LOCATION (N/E): 985851.5 748724.3
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 705.9
DATUM: NAD 1983
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	1, 2, 4, 5	2.00	1.6	0	BGD	0.6	Brown SILT, some organic material, trace very fine Sand, loose, moist, saturated at .55-.6'.	ML
						1.2	Gray-brown CLAY, little Silt, trace organic material, trace fine Shale fragments, wet to saturated.	CL
						1.6	Olive gray-brown CLAY, some weathered, fractured Shale, trace Silt, stiff, moist. Slightly plastic.	CL
.02	9, 21, 25, 30	2.00	0	0	BGD	4.0	No Recovery	-
.03	10, 17, 20, 22	2.00	1.9	0	BGD	5.9	Light brown SILT, little(-) fine to medium Shale fragments, trace very fine Sand, trace weathered Sandstone, stiff, dry.	ML
						6.0	No Recovery	-
.04	25, 30, 21, 22	2.00	1.8	0	BGD	7.2	AA(4'-5.9') no weathered Sandstone.	ML
						7.6	Light brown SILT, trace(+) Clay, trace fine to medium Shale fragments, stiff, dry.	ML
						7.8	Reddish brown-brown CLAY, little very fine Sand, trace Silt, trace fine to medium Shale.	CL
						8.0	No Recovery	-
.05	44, 65, 75, 100/.4	2.00	1.8	0	BGD	9.0	Light brown very fine SAND, little Silt, little fine Gravel (8.4-8.7'), trace fine to coarse Shale fragments, trace cobble, medium stiff, saturated.	SM
						9.8	Light brown SILT, little very fine Sand, trace(+) fine to medium Shale, trace cobble, stiff, wet to saturated.	ML

NOTES: Bottom of overburden at 14'. No samples were collected for chemical analysis.

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LOG OF BORING MW64B-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.06	18 31 36 75	2.00	2.0	0	BGD	10.0	Light brown very fine SAND, some Silt, trace fine to medium Shale, trace fine Gravel, medium stiff, saturated.	SM
						11.0	Light brown-gray SILT, some very fine Sand, trace fine to medium Shale fragments, trace(-) coarse Gravel, medium stiff, saturated.	ML
						11.7 12.0	Gray SILT + CLAY, trace fine to medium Shale, trace(-) coarse Shale fragments, stiff, wet to saturated.	ML
.07	31 37 40 52	2.00	1.3	0	BGD		Gray SILT + CLAY, trace(-) fine to medium Shale fragments, very stiff, dry.	ML
						12.4	Dark gray weathered, very fractured SHALE, saturated.	-
						12.7	AA, (12-12.4'), trace(+) fine to medium Shale fragments.	ML
						13.3	No Recovery	-
.08	100/.3	0.30	0.3	0	BGD	14.0	Dark gray very fractured SHALE, saturated.	-
						14.3	No Recovery	-
						16	BORING TERMINATED AT 16'	

NOTES: Bottom of overburden at 14'. No samples were collected for chemical analysis.

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LOG OF BORING MW64B-1

LOG OF BORING NO. MW64B-2

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	8.3
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	985864.1 748302.3
ASSOCIATED UNIT/AREA:	SEAD-64B	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	702.2
DATE STARTED:	05/14/94	DATUM:	NAD 1983
DATE COMPLETED:	05/15/94	INSPECTOR:	FO
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 5 7 7	2.00	1.8	0	BGD	0.4	Brown SILT, little organic material, trace very fine Sand, trace fine Shale fragments, loose, moist.	ML
						0.6	AA, fine Shale fragments, loose, moist.	ML
						1.2	Brown SILT, trace weathered fine Shale fragments and organic material, medium stiff, moist.	ML
						1.7	Tan, very fine SAND, some(-) Silt, trace mottling, medium stiff, wet to saturated.	SM
						1.9	Brown-gray CLAY, trace(+) Silt, trace weathered Shale fragments, stiff, moist.	CL
						2.0	No Recovery	
.02	8 18 15 17	2.00	1.7	0	BGD	3.7	Gray-brown SILT, trace Clay, trace fine to medium Shale fragments, trace fine Gravel, stiff, dry to damp.	ML
						4.0	No Recovery	-
.03	10 20 18 20	2.00	1.8	0	BGD	4.4	AA, (2-3.7').	ML
						4.6	Gray, very weathered, fractured SHALE.	-
						5.8	Light brown SILT, little very fine Sand, trace(+) fine to medium Shale fragments, medium stiff, moist to wet.	ML
						6.0	No Recovery	-
.04	38 34 44 50	2.00	1.9	0	BGD	7.9	AA, (4.6-5.8'). Saturated lens from 7.3'-7.4' Coarse gravel from 7.4'-7.6' + 7.7'-7.9'	ML
						8.0	No Recovery	
.05	30 60 40 35	2.00	1.7	0	BGD	8.3	AA, fine Shale, wet.	ML
						8.9	Black, very fractured, weathered SHALE, saturated.	-
						9.4	Light brown SILT, trace very fine Sand, trace Shale fragments, moist.	ML
						9.5	Light brown very fine SAND + SILT, trace fine Shale fragments, wet.	ML
						9.7	AA, Fractured Shale, wet to saturated.	-

NOTES: Bottom of overburden at 10.8'. No samples were collected for chemical analysis.

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LOG OF BORING MW64B-2

PROJECT: SEVEN LOW PRIORITY AOCS
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	28 34 66 100/.3	1.70	1.5	0	BGD	10.0		No Recovery	
						10.8		Light brown SILT, little fine to medium weathered Shale fragments, trace very fine Sand, medium stiff, wet.	ML
						11 11.4		Gray, weathered SHALE, wet.	-
						11.5		AA(10'-10.8')	ML
								No Recovery	-
.07	100/.3	0.30	0	NA	NA	12			
						13			
						14			

BORING TERMINATED AT 14'

NOTES: Bottom of overburden at 10.8'. No samples were collected for chemical analysis.

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LOG OF BORING MW64B-2

LOG OF BORING NO. MW64B-3

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	16
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	986003.6 748385.3
ASSOCIATED UNIT/AREA:	SEAD-64B	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	709.2
DATE STARTED:	05/12/94	DATUM:	NAD 1983
DATE COMPLETED:	05/13/94	INSPECTOR:	FO
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	5 7 7 9	2.00	1.8	0	BGD	1.5	Light brown SILT, little very fine Sand, trace organic material and fine to medium Shale fragments, loose, moist. FILL	ML
						1.8	AA, no very fine Sand. FILL	ML
						2.0	No Recovery	-
.02	11 13 12 10	2.00	0.9	0	BGD	2.4	SHALE Cobble. FILL	-
						2.6	Light brown very fine to fine SAND, little Silt, loose, moist. FILL	SM
						2.9	Light brown-gray CLAY, little Silt, trace fine to medium Shale fragments, mottled, medium stiff, moist. FILL	CL
						4.0	No Recovery	-
.03	8 8 13 14	2.00	1.6	0	BGD	5.1	Light brown SILT, some Clay, little(-) very fine Sand, trace very fine to medium Shale fragments, dense, moist. FILL	ML
						5.6	AA,gray-brown Silt, medium stiff to stiff, dry to moist.	ML
						6.0	No Recovery	-
.04	13 10 8 11	2.00	1.7	0	BGD	6.5	Gray-brown very fine SAND + SILT, trace(+) Clay, trace fine to medium Shale fragments, loose, dry. BOTTOM OF FILL	ML
						7.0	Light brown-reddish (iron-stained) very fine SAND + SILT + organic material, loose, dry.	ML
						7.4	Tan-yellow very fine SAND + SILT + CLAY, trace medium coarse Gravel, medium stiff, moist.	ML
						7.7	Tan-yellow-pink-gray CLAY, little Silt, trace(+) very fine Sand, little mottling, stiff, moist.	CL
						8.0	No Recovery	-
.05	7 8 21 25	2.00	1.6	0	BGD	9.6	Light brown-gray CLAY, some Silt, trace organic material, trace fine to medium Shale fragments, little mottling, trace weathered Shale fragments, stiff, dry to moist, (moist from 8.4-9').	CL
						10.0	No Recovery	-

NOTES: Bottom of fill at 6.5'. Bottom of overburden at 21.2'. No samples were collected for chemical analysis.

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Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.06	21 23 35 41	2.00	2.0	0	BGD	10.6	AA, (8-9.6').	CL
						11.5	Light brown-gray SILT + CLAY, trace(+) very fine Sand, trace fine to medium Shale fragments, stiff, damp.	ML
						11.8	Light brown SILT + very fine SAND, trace fine to medium Shale fragments, medium stiff, moist.	ML
						12.0	AA, wet to saturated.	ML
.07	61 65 100/.4	1.40	1.4	0	BGD	13.4	Light brown very fine SAND, little medium to coarse Shale fragments, little(-) Silt, trace limestone fragments, trace black weathered Shale, medium stiff, moist.	SM
						14.0	No Recovery	-
.08	31 100/.4	0.90	0.8	0	BGD	14.8	Light brown-gray very fine SAND + SILT + dark gray fractured SHALE.	ML
						16.0	No Recovery	-
.09	21 31 42 50	2.00	1.8	0	BGD	17.4	Gray-brown very fine SAND, some(-) Silt, little very fine to coarse Shale, loose, saturated.	SM
						17.8	Gray-brown very fine SAND + SILT, trace(+) fine to coarse Shale fragments, medium stiff, moist to wet	ML
.10	100/.2	0.20	0	NA	NA	20.0	No Recovery	-
.11	35 68 100/.2	1.20	1.2	0	BGD	20.7	Gray-brown SILT, some very fine Sand, trace(+) fine to medium Shale fragments, medium stiff, moist to wet, saturated from 20.5-20.6').	ML
						21.0	Dark gray, weathered, fractured SHALE, saturated.	-
						21.2	Gray-brown SILT, trace(+) very fine Sand, trace fine to medium Shale fragments, stiff, moist.	ML
						22.0	No Recovery	-
.12	100/.2	0.20	0.1	0	BGD	22.1	Dark gray, weathered, fractured SHALE.	-

NOTES: Bottom of fill at 6.5'. Bottom of overburden at 21.2'. No samples were collected for chemical analysis.

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LOG OF BORING MW64B-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

GROUND SURFACE ELEV.
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
								No Recovery	
						23			
.13	100/.2	0.20	0	NA	NA	24			
						25			
.14	100/.2	0.20	0.2	0	BGD	26 (26.0)		Dark gray fractured SHALE.	-

BORING TERMINATED AT 26.2'

NOTES: Bottom of fill at 6.5'. Bottom of overburden at 21.2'. No samples were collected for chemical analysis.

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LOG OF BORING MW64B-3

LOG OF BORING NO. SB64B-1

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	14.2
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	986017.3 748593.4
ASSOCIATED UNIT/AREA:	SEAD-64B	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/08/94	DATUM:	NAD 1983
DATE COMPLETED:	06/08/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	2 4 6 7	2.00	0.4	0	BGD	0.4	Brown SILT, little Clay, trace fine gray Shale fragments, trace organics, medium stiff, dry to slightly moist. FILL	ML
							No Recovery	-
.02	6 8 8 9	2.00	0	0	BGD	4.0		
.03	6 9 6 15	2.00	1.7	0	BGD	4.8	Brown, iron-stained, dark brown and gray mottled CLAY, little Silt, trace fine gray Shale fragments, stiff, dry to slightly moist. Trace(-) decayed roots. FILL.	CL
						5.7	AA, no roots, moist. FILL Saturated at 5.2'	CL
						6.0	No Recovery	-
.04	9 10 14 17	2.00	2.0	0	BGD	6.2	Gray fractured Shale. FILL	-
						6.5	Light brown SILT + CLAY, iron-stained, dark brown mottling, trace fine gray Shale fragments, slightly moist. BOTTOM OF FILL.	CL
						6.7	Dark brown SILT, trace very fine Sand, trace organics (roots, wood), soft, moist.	ML
						7.5	Brown CLAY + SILT, heavily iron-stained, trace fine gray Shale fragments, trace organics, stiff, slightly moist.	CL
						7.7	Gray highly weathered SHALE, wet to saturated.	-
						8.0	Olive gray, iron-stained CLAY, little iron-stained Silt, little fine gray Shale fragments, stiff, slightly moist.	CL
.05	16 18 17 18	2.00	2.0	0	BGD	8.2	Light brown SILT, little Clay, trace very fine gray Shale fragments, medium stiff, slightly moist.	ML
						10.0	Olive gray, iron-stained CLAY, little(+) fine to medium Shale fragments, little Silt, medium stiff, dry to moist.	CL

NOTES: Bottom of fill at 6.5'. Bottom of overburden at 17.4'. The following samples were collected for chemical analysis: SB64B-1.00(0-2"), SB64B-1.05(8'-10'), SB64B-1.06(10'-12').

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LOG OF BORING SB64B-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
GROUND SURFACE ELEVATION:
INSPECTOR: KK, LR
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.06	24 56 34 44	2.00	2.0	0	BGD	10.2	Fractured, finely laminated weathered gray Shale, dry.	-
						10.6	Light brown SILT + CLAY, little(+) fine gray Shale fragments, stiff, dry to slightly moist.	ML
						10.8	Highly weathered, finely laminated dark brown SHALE, moist to wet.	-
						11	AA, (10.2-10.6'), trace coarse gray Shale fragments, slightly moist.	CL
						11.7	Light brown, iron-stained SILT, little(-) very fine Sand, little(-) very fine gray Shale fragments, stiff, moist.	ML
.07	100/.4	0.40	0.4	0	BGD	12.0 / 12	AA, (11.7-12.0'), trace medium gray Shale fragments, gray Shale chips at 12.4'.	ML
						12.4 / 13	No Recovery	-
.08	46 90 100/.4	1.40	1.4	0	BGD	14.0 / 14	Brown Silt + very fine SAND, little fine gray Shale fragments, trace medium to coarse gray Shale fragments, medium stiff, wet, saturated at 14.2'.	ML
						15.0 / 15	Brown fine SAND, little(+) gray medium sand-sized gray Shale fragments, trace fine gray Shale fragments, loose, saturated.	SW
						15.4	No Recovery	-
.09	50 100/.4	1.40	1.4	0	BGD	16.0 / 16	Light brown fine SAND, little very fine Sand, little fine gray Shale fragments, trace medium gray Shale fragments, loose, saturated.	SW
						16.6 / 17	Gray fine SAND, little very fine Shale fragments, trace medium gray Shale fragments, loose, saturated.	SW
						17.4	No Recovery	-
.10	100/.3	0.30	0	0	BGD	18 19		
.11	100/.1	0.10	0.1	0	BGD	20.0 / 20	Competent gray SHALE, dry.	-

BORING TERMINATED AT 20.1'
AUGER REFUSAL

NOTES: Bottom of fill at 6.5'. Bottom of overburden at 17.4'. The following samples were collected for chemical analysis: SB64B-1.00(0-2"), SB64B-1.05(8'-10'), SB64B-1.06(10'-12').

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LOG OF BORING SB64B-1

LOG OF BORING NO. SB64B-2

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	13.9
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	985973.1 748507.9
ASSOCIATED UNIT/AREA:	SEAD-64B	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/08/94	DATUM:	NAD 1983
DATE COMPLETED:	06/08/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	2 & 3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3, 4, 8, 10	2.00	1.0	0	BGD	0.2	Brown SILT, little very fine Sand, trace organics, medium stiff, dry to slightly moist. FILL	ML
						0.5		ML
							AA, trace fine gray SHALE fragments, no organics. FILL	ML
						1.0	AA, trace orange-brown fine Sand, moist. FILL	
						2.0	No Recovery	-
.02	8, 8, 7, 10	2.00	1.7	0	BGD	2.2	Fractured gray SHALE, dry. FILL	-
						2.4	Light brown SILT, little Clay, trace very fine Sand, trace fine gray Shale fragments, medium stiff, moist. FILL	ML
						2.8		ML
							AA, (2.0-2.2'). FILL	CL
						3.7	Light brown CLAY, mottled orange and dark brown, little(-) Silt, trace(-) medium gray Shale fragments, medium stiff, moist. FILL	
						4.0	No Recovery	-
.03	6, 7, 4, 5	2.00	1.3	0	BGD	4.5	AA, (2.8-3.7').	CL
						5.3	AA, soft, moist.	CL
						6.0	No Recovery	-
.04	4, 4, 6, 10	2.00	2.0	0	BGD	6.6	Light brown iron-stained SILT, little Clay, trace fine Gravel and gray Shale fragments, medium stiff, moist. FILL	ML
						6.9	Dark brown CLAY + SILT, soft, moist. FILL	ML
						7.3	Light gray CLAY, iron-stained, medium stiff, moist. FILL	CL
						7.5	Dark brown organic rich SILT + very fine SAND, large piece of wood, soft, moist to wet. FILL	ML
						8.0		ML
.05	10, 12, 14, 14	2.00	2.0	0	BGD	8.2	Dark brown SILT + CLAY, medium stiff, moist. FILL	ML
						8.4	Light brown iron-stained SILT, little very fine Sand, medium stiff, moist. FILL	CL
						8.5	AA, (6.9-7.3'), trace fine gray Shale fragments. BOTTOM OF FILL.	ML
							Dark brown organic rich SILT, little wood chips, soft, moist to wet.	CL
						10.0	Light gray CLAY, iron-stained, stiff, moist, trace red sandstone Gravel, trace shale fragments.	

NOTES: Bottom of fill at 8.4'. Bottom of overburden at 20.0'. The following samples were collected for chemical analysis: SB64B-2.00(0-2"), SB64B-2.06(10'-12'), SB64B-2.07(12'-13.5').

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Seneca Army Depot
Romulus, New York

LOG OF BORING SB64B-2

PROJECT: SEVEN LOW PRIORITY AOCs

PROJECT NO: 720518-01000

PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

INSPECTOR: KK, LR

CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.06	15 17 20 23	2.00	2.0	0	BGD	10.1	Brown SILT + CLAY, trace gray fine Shale fragments, stiff, moist.	ML
							Brown-gray CLAY, trace fine gray Shale fragments, trace gray Shale cobbles (.25') and gray limestone cobbles (.35'), stiff, moist.	CL
.07	36 28 40 65	2.00	2	0	BGD	12.0	Brown CLAY + SILT, little fine to medium gray Shale fragments, medium stiff, moist.	ML
						12.6	Dark gray coarse Sand-sized gray SHALE fragments, little brown Silt, loose, wet.	GW
						12.8	AA, (12.0-12.6'), little(-) very fine Sand, soft, moist to wet.	GW
						13.1	AA, (12.6-12.8).	GW
						13.2	Light brown SILT, some very fine Sand, little fine to medium gray Shale fragments, soft, moist to wet.	ML
						13.6	Light brown SILT + very fine SAND + CLAY, little fine gray Shale fragments, soft, wet, saturated at 13.9'.	ML
.08	100/.4	0.40	0.1	0	BGD	14.1	No Recovery	-
.09	50 100/.3	0.80	0.8	0	BGD	16.0	Light brown SILT + very fine SAND, little fine gray Shale fragments, medium dense, saturated.	ML
						16.2	Gray very fine SAND, little fine gray Shale fragments, medium dense, saturated.	SW
						16.4	Light brown very fine SAND, little fine gray Shale fragments, little(-) Silt, loose, saturated.	SW
						16.8	No Recovery	-
.10	100/.3	0.30	0	0	BGD			
.11	100/.3	0.30	0.3	0	BGD	20.0	Coarse Sand-sized gray Shale fragments and Shale cobble, saturated.	-
						20.3	No Recovery	-
.12	100/.1	0.10	0	NA	NA	22	BORING TERMINATED AT 22.1'	

NOTES: Bottom of fill at 8.4'. Bottom of overburden at 20.0'. The following samples were collected for chemical analysis: SB64B-2.00(0-2"), SB64B-2.06(10'-12'), SB64B-2.07(12'-13.5').

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LOG OF BORING SB64B-2

LOG OF BORING NO. SB64B-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64B
PROJECT NO: 720518-01000
DATE STARTED: 06/08/94
DATE COMPLETED: 06/08/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 18.0
BORING LOCATION (N/E): 985973.1 748439.6
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): NA
DATUM: NAD 1983
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 4 2 2	2.00	0.8	0	BGD	0.8	Brown SILT, little very fine Sand, trace(-) organic material, trace(-) Shale fragments, loose, moist. FILL	ML
						2.0	No Recovery	-
.02	2 7 7 4	2.00	0.7	0	BGD	2.7	Brown SILT, some very fine Sand, trace organic material, trace(-) Shale fragments, loose, moist to wet. FILL	ML
						4.0	No Recovery	-
.03	4 4 6 10	2.00	0.5	0	BGD	4.5	AA(2'-2.7') moist.	ML
						6.0	No Recovery	-
.04	13 10 6 6	2.00	1.2	0	BGD	6.8	Gray-brown SILT, little very fine Sand, trace fine Shale fragm[illegible], loose, moist. FILL	ML
						7.2	Gray-brown SILT + very fine SAND, trace fine Shale fragments, loose, moist to wet. FILL	ML
						8.0	No Recovery	-
.05	8 6 8 9	2.00	1.6	0	BGD	9.6	Light brown-gray SILT, little(+) very fine Sand, trace Shale fragments, medium stiff, wet to saturated (8.8'-9.1'). FILL	ML
						10.0	No Recovery	-

NOTES: Bottom of fill 10.5'. Bottom of overburden at 21.7'. The following samples were collected for chemical analysis: SB64B-3.00(0-2"), SB64B-3.05(8'-9.6'), SB64B-3.08(14'-16').

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LOG OF BORING SB64B-3

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	6 10 15 19	2.00	1.6	0	BGD	10.5		Gray-brown SILT + CLAY + very fine SAND, trace medium Gravel, medium stiff, moist. BOTTOM OF FILL.	ML
						10.9		Dark brown loamy material, very fine Sand + Silt, trace(-) weathered coal chip, loose, dry. Trace iron staining.	OL-ML
						11 11.6		Orange-gray CLAY, some(-) Silt, trace organic material, trace(-) very fine Sand, stiff, damp.	CL
						12.0		No Recovery	-
.07	21 31 31 38	2.00	1.8	0	BGD	12 13 13.8		Orange-gray-brown CLAY + SILT + very fine SAND, trace(+) weathered Shale fragments, stiff, moist.	ML
						14.0		No Recovery	-
.08	22 37 47 50	2.00	2.0	0	BGD	14 14.3		AA, (12-13.8').	ML
						15 15.8		Light brown SILT + very fine SAND, trace(+) fine Shale fragments, medium stiff, moist.	ML
						16.0		SHALE Cobble.	-
.09	9 100/.4	0.90	0.6	0	BGD	16 16.6		AA(14.3'-15.8') damp Shale at tip.	ML
						17 18.0		No Recovery	-
.10	27 44 48 96	2.00	1.8	0	BGD	18 19 19.2		AA (16.0-16.6'), wet to saturated.	ML
						19.8		Light brown fine to medium SAND, little Silt, trace fine Shale fragments, saturated.	SM
						20.0		No Recovery	-
.11	20 33 36 100/.3	1.80	1.7	0	BGD	20 21 21.7		AA (19.2-19.8'), saturated.	SM
						22		No Recovery	-
								BORING TERMINATED AT 22'	

NOTES: Bottom of fill 10.5'. Bottom of overburden at 21.7'. The following samples were collected for chemical analysis: SB64B-3.00(0-2"), SB64B-3.05(8'-9.6'), SB64B-3.08(14'-16').

LOG OF BORING NO. MW64C-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64C
PROJECT NO: 720518-01000
DATE STARTED: 05/16/94
DATE COMPLETED: 05/16/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 10
BORING LOCATION (N/E): 984365.9 753991.2
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 764.2
DATUM: NAD 1983
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3	2.00	1.6	0	BGD		Brown SILT, some organic material, trace very fine Sand, loose, moist.	ML
	3					0.5	Gray-brown CLAY + SILT, trace fine Shale fragments, trace very fine Sand, trace organic material, cobble at the tip of spoon, medium stiff to stiff, moist. Little plasticity.	ML
	6							
	9							
						1.6	No Recovery	-
.02	11	2.00	2.0	0	BGD	2.0	Gray brown CLAY + SILT, trace fine to coarse Shale fragments, trace(+) very fine Sand, dry.	ML
	15					2.4	Gray, weathered, fractured SHALE, wet.	-
	17					2.7	Gray-brown SILT, little Clay, trace(+) fine to coarse Shale fragments, trace very fine Sand, medium stiff, moist.	ML
	21					3.5	Shale Cobble.	-
						3.7	AA, (2.7-3.5').	ML
.03	14	2.00	2.0	0	BGD	4.0	Light brown SILT, little very fine Sand, trace fine to medium Shale fragments, trace cobbles at (5.3+5.9'), medium stiff, moist.	ML
	23							
	39							
	43							
.04	67	2.00	2.0	0	BGD	6.0	AA, No cobbles, trace coarse Shale fragments, trace fine Gravel, stiff, dry.	ML
	78					6.6	Very fine to fine SAND, trace fine Shale fragments, moist to wet.	SP
	71					6.8	AA, (6-6.6').	ML
	50							
.05	23	2.00	2.0	0	BGD	8.0	Light brown SILT, some very fine Sand, trace(+) fine to medium Shale, trace cobbles, medium stiff, moist.	ML
	72					8.6	Light brown SILT, little very fine Sand, little(-) fine to medium Shale, trace(-) coarse Shale fragments, stiff, damp to moist.	ML
	98							
	59							
						10.0		

NOTES: Bottom of overburden at 15'. No samples were collected for chemical analysis.

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Romulus, New York

LOG OF BORING MW64C-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.06	33 62 79 85	2.00	2.0	0	BGD	10.4	Light brown SILT + very fine SAND, trace fine to medium Shale fragments, trace(-) coarse Shale, loose, wet to saturated.	ML
						10.6	SHALE Cobble.	-
						11	Light gray-brown very fine SAND, some Silt, trace(+) fine to medium Shale, trace(-) limestone cobble, loose, damp to moist.	SM
.07	64 56 50 48	2.00	2.0	0	BGD	12.0 / 12 / 12.2	AA, trace fine Shale, saturated.	SM
						12.3	Dark gray, weathered, fractured SHALE, wet.	-
						13	Light gray-brown very fine SAND, some Silt, little fine to medium Shale fragments, trace Shale cobbles, loose, damp to wet.	SM
.08	30 44 100/.3	1.30	1.1	0	BGD	14.0 / 14	Dark gray, weathered + fractured SHALE, saturated.	-
						14.4	Gray-brown SILT, some very fine Sand, trace fine to medium Shale fragments, trace Shale cobble, loose, damp to moist.	ML
						15.0 / 15 / 15.1	Dark gray, weathered, fractured SHALE.	
							No Recovery	-
.09	100/.1	0.10	0.1	0	BGD	16.0 / 16	Dark gray, weathered SHALE, laminated, saturated.	

BORING TERMINATED AT 16.1'

NOTES: Bottom of overburden at 15'. No samples were collected for chemical analysis.

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LOG OF BORING MW64C-1

LOG OF BORING NO. MW64D-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64D
PROJECT NO: 720518-01000
DATE STARTED: 03/28/94
DATE COMPLETED: 03/28/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 3.0
BORING LOCATION (N/E): 993059.7 741523.1
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 666.6
DATUM: NAD 1983
INSPECTOR: KK, LR
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.01	1 2 6 8	2.00	1.5	0	BGD	1 / 1.2		Dark brown SILT, little organic, trace fine to medium Shale fragments and Gravel, soft, moist.	ML
						1.5		Light green-gray CLAY, iron staining, medium stiff, moist.	CL
						2.0		No Recovery	-
.02	9 18 40 40	2.00	1.7	0	BGD	2 / 2.7		Light olive gray CLAY, little fine to medium Shale fragments, trace Silt, soft, wet, iron staining.	CL
						3.0		Olive gray CLAY, some fine to medium Shale fragments, trace very fine Sand, trace Silt, very soft, wet to saturated.	CL
						3 / 3.7		Gray fractured, slightly weathered, SHALE, trace Silt, loose, saturated.	GM
						4.0		No Recovery	-
.03	30 39 100/.3	1.30	1.3	0	BGD	4 / 4.4		Gray fractured + weathered SHALE fragments and olive gray CLAY, trace very fine Sand, loose, saturated.	GC
						5.0		Gray fractured, SHALE, trace olive gray Clay, loose, saturated.	GC
						5 / 5.2		Light gray CLAY, iron staining, stiff, moist	CL
								Gray SHALE.	-

BORING TERMINATED AT 5.3'
AUGER REFUSAL

NOTES: Bottom of overburden at 3.0'. No samples were collected for chemical analysis.

LOG OF BORING NO. MW64D-2

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	3.6
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	993638.6 740197.6
ASSOCIATED UNIT/AREA:	SEAD-64D	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	633.7
DATE STARTED:	06/21/94	DATUM:	NAD 1983
DATE COMPLETED:	06/21/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 2 3 4	2.00	1.2	0	BGD	0.3	Dark brown SILT + very fine SAND, trace fine Gravel, some organics, soft, moist.	ML
						0.9	Brown SILT + CLAY, trace organics, very soft, moist to wet.	ML
						1.2	Tan-pink CLAY, little(-) brown Silt, trace fine Gravel, medium stiff, moist.	CL
						2.0	No Recovery	-
.02	3 5 5 6	2.00	2.0	0	BGD	3.3	AA (0.9-1.2'), yellow, red, pink, gray, light brown Clay, trace fine Gravel, trace medium Sand, medium stiff, moist.	CL
						3.4	Red + pink fine SAND, wet to saturated.	SP
						4.0	Brown-gray SILT + very fine SAND, little fine gray Shale fragments, little coarse Sand-sized gray Shale fragments, wet to saturated.	ML
.03	5 8 9 15	2.00	2.0	0	BGD	4.7	Gray fine to medium SHALE fragments + brown-gray very fine SAND, little Silt, loose, saturated.	GM
						5.1	Light gray CLAY + SILT, little fine gray Shale fragments, little coarse gray Shale fragments, soft, saturated.	ML
						6.0	Gray fine to coarse SHALE fragments + brown-gray, iron-stained SILT, loose, saturated.	GM
.04	21 38 45 59	2.00	1.3	0	BGD	6.4	Gray fine to medium SHALE fragments + gray SILT, saturated.	GM
						6.9	Gray highly fractured SHALE, trace gray Silt, saturated.	-
						7.3	AA, (6-6.4').	GM
						8.0	No Recovery	-
.05	100/.5	0.50	0.5	0	BGD	8.5	Gray coarse SHALE fragments + gray-brown CLAY + SILT, soft, saturated.	GM-GC
.06	100/.1	0.10	0	NA	NA	9	No Recovery	-
							BORING TERMINATED AT 9'	

NOTES: Bottom of overburden at 8.0'. No samples were collected for chemical analysis.

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Romulus, New York

LOG OF BORING MW64D-2

LOG OF BORING NO. MW64D-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64D
PROJECT NO: 720518-01000
DATE STARTED: 06/20/94
DATE COMPLETED: 06/20/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 2" SPLIT SPOONS

DEPTH TO WATER (ft): 6.4
BORING LOCATION (N/E): 993017.4 740735.8
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 647.3
DATUM: NAD 1983
INSPECTOR: KK, LR
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.01	2 3 4 5	2.00	1.3	0	BGD	0.1		Dark brown SILT, some organics, soft, moist.	ML
						1.3		Grading from SILT + some Clay, to CLAY + some Silt, dark brown to tan, trace organics, trace(-) fine Gravel, soft, moist.	ML
						2.0		No Recovery	-
.02	8 10 15 17	2.00	1.6	0	BGD	2.3		AA (1.0-1.3'), tan Clay, some Silt, soft, iron-stained.	CL
						2.9		Tan-gray, heavily iron-stained CLAY, little Silt, trace organics, trace fine gray Shale fragments, stiff, dry.	CL
						3.1		Limestone Cobble.	-
						3.6		AA, (2.3-2.9'), some fine Sand, wet (3.2-3.4'), dry (3.4-3.6'), medium Shale fragments (3.6').	CL
						4.0		No Recovery	-
.03	16 20 20 20	2.00	2.0	0	BGD	5.7		Brown SILT + very fine SAND, some fine to medium gray Shale fragments, trace coarse Sand-sized gray Shale fragments, moist to wet.	ML
						6.0		AA, trace fine Shale fragments, loose, wet.	ML
.04	27 55 100/.4	1.40	1.4	0	BGD	6.4		Brown SILT + CLAY + gray fine to medium weathered SHALE fragments, stiff, moist, iron-stained.	GM-GC
						6.8		Gray weathered SHALE, trace Silt, loose, saturated.	-
						7.0		AA, (6.0-6.4').	ML
						7.4		Gray highly weathered SHALE, dry.	-
								No Recovery	-

BORING TERMINATED AT 7.8'

NOTES: Bottom of overburden at 7'. No samples were collected for chemical analysis.

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LOG OF BORING MW64D-3

LOG OF BORING NO. MW64D-4

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	3.5
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	992533.5 741082.2
ASSOCIATED UNIT/AREA:	SEAD-64D	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	659.7
DATE STARTED:	06/20/94	DATUM:	NAD 1983
DATE COMPLETED:	06/20/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	2" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)
.01	4 7 9 12	2.00	1.5	0	BGD	0
.02	40 38 15 12	2.00	1.9	0	BGD	2
.03	6 7 9 8	2.00	1.7	0	BGD	4
.04	9 14 12 18	2.00	2.0	0	BGD	6
.05	100/.3	0.30	0.3	0	BGD	8

Depth to bottom of layer (ft)	DESCRIPTION	USCS
0.4	Brown SILT + very fine SAND, little organics, trace(-) fine gray Shale fragments, soft, moist.	ML
0.5	Gray fractured SHALE fragments, trace brown Silt, dry.	
1.0	Red CLAY, little(-) brown Silt, trace organics, soft, moist.	CL
1.3	Gray fractured SHALE fragments, dry.	-
1.5	Fine to medium gray SHALE fragments + brown SILT + CLAY, trace very fine Sand, soft, moist.	GM-GC
2.0	No Recovery	-
2.5	AA, (1.3-1.5').	ML
3.5	Gray highly weathered SHALE, dry. Also, .01 lense of light brown, moist Clay at (2.6'), (2.9'), and (3.2').	-
3.9	Brown SILT, and very fine to fine Sand, little fine gray Shale fragments, soft, saturated.	ML
4.0	No Recovery	
4.3	Brown SILT, fine Sand and very fine Sand, little coarse Sand-sized gray Shale fragments, trace fine gray Shale fragments, soft, saturated.	ML
4.6	Fine to coarse SAND, trace Shale fragments, trace Silt, loose, saturated.	SM
4.8	SILT, very fine SAND + coarse SHALE fragments, loose, saturated.	GM
5.2	AA, (4.3-4.6'), saturated.	GM
5.7	AA, (5.2-5.7'), 4-4.3'), saturated.	GM
6.0	No Recovery	-
6.2	AA, (4.3-4.6), saturated.	GM
6.4	Gray CLAY + fine to medium gray SHALE fragments, medium stiff, moist.	GC
6.7	AA, (4.6-4.8'), wet to saturated.	GC
6.9	Gray weathered + fractured SHALE, moist iron-stained.	-
7.1	AA, (6.2-6.4'), iron-stained, moist.	CL
7.5	Gray fractured SHALE, trace Silt, saturated.	-
8.3	Gray highly weathered SHALE, dry to moist, trace iron staining.	-
	No Recovery	-

BORING TERMINATED AT 9.9'

NOTES: Bottom of overburden at 7.5'. No samples were collected for chemical analysis.

LOG OF BORING NO. MW64D-5

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64D
PROJECT NO: 720518-01000
DATE STARTED: 06/22/94
DATE COMPLETED: 06/22/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 2" SPLIT SPOONS

DEPTH TO WATER (ft): 6.2
BORING LOCATION (N/E): 991371.4 740724.3
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 651.0
DATUM: NAD 1983
INSPECTOR: KK, LR
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.01	2 2 4 7	2.00	1.3	0	BGD	0.4		Dark brown SILT, little organics, soft, moist.	ML
						1.0		Light brown SILT, little Clay, trace(-) fine gray Shale fragments, trace organics, soft, moist.	ML
						1.3		Gray brown SILT, soft, moist.	ML
						1.4		Gray limestone Cobble.	-
						2.0		No Recovery	-
.02	12 18 15 14	2.00	2.0	0	BGD	2.6		Gray fine to medium SHALE fragments, medium to highly weathered, some light gray to light brown Silt + Clay, slightly moist.	GM-GC
						3.1		Light brown very fine SAND + SILT, little fine gray Shale fragments, little coarse gray Shale fragments, medium dense, moist to wet.	ML
						4.0		Light brown SILT + fine to medium weathered gray Shale fragments, trace fine Sand, medium stiff, moist to wet.	ML
.03	7 8 49 64	2.00	1.7	0	BGD	4.9		Light brown very fine SAND + fine to medium gray Shale fragments, medium to highly weathered, little coarse gray Shale fragments, saturated to wet.	GM
						5.5		Gray highly weathered SHALE, dry.	-
						5.7		Light brown SILT + very fine SAND, some fine to medium gray weathered Shale fragments, wet to moist.	SM
						6.0			-
.04	58 100/.2	0.70	0.7	0	BGD	6.2		No Recovery	-
								Highly weathered SHALE, dry to moist.	GM
						6.7		Gray fine to medium SHALE fragments, little light brown Silt, saturated.	
								No Recovery	-

BORING TERMINATED AT 7.2'

NOTES: Bottom of overburden at 6.7'. No samples were collected for chemical analysis.

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LOG OF BORING MW64D-5

LOG OF BORING NO. SB64D-1

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	NA
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	991352.4 740881.4
ASSOCIATED UNIT/AREA:	SEAD-64D	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/23/94	DATUM:	NAD 1983
DATE COMPLETED:	06/23/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	4 7 6 6	2.00	1.7	0	BGD	0.5	Dark gray-brown SILT + CLAY, trace(+) very fine Sand, trace very fine to fine gray Shale fragments and Gravel, very stiff, iron staining.	ML
						1.2	Light brown CLAY + SILT, little very fine Sand, trace fine gray Shale fragments and Gravel, trace coarse gray Shale fragments, some iron staining, grading from medium stiff to soft, moist.	ML
						1.7	Grading from light brown SILT + very fine SAND to very fine to fine SAND, little Silt, trace fine gray Shale fragments soft to very soft, saturated.	SM
						2.0	No Recovery	-
.02	18 30 32 40	2.00	2.0	0	BGD	2.1	AA (1.2-1.7'), saturated.	SM
						2.7	Light brown very fine SAND + SILT, trace coarse Gravel, trace iron-stained Clay, trace gray very fine gray Shale fragments, medium stiff, wet.	ML
						4.0	Light brown very fine to fine SAND, trace Silt, little coarse gray Shale fragments, trace fine to medium gray Shale fragments, Coarse Shale Gravel, loose, wet to saturated.	SM
.03	40 62 72 92	2.00	2.0	0	BGD	4.9	Brown very fine to fine SAND, trace(+) Silt, trace fine gray Shale fragments, little coarse Shale fragments, loose, wet to saturated.	SM
						5.0	Tan siltstone GRAVEL, trace iron staining.	GM
						6.4	AA, (4-4.9').	SM
.04	78 100/.3	0.80	0.8	0	BGD	6.7	Gray-brown very fine SAND, little Silt, little gray coarse Shale fragments, trace Clay, trace fine gray Shale fragments, medium stiff, wet.	ML
						6.8	Gray fractured SHALE, saturated.	-
							No Recovery	-

BORING TERMINATED AT 7.8'

NOTES: Bottom of overburden at 6.7'. The following samples were collected for chemical analysis: SB64D-1.00(0-2"), SB64D-1.01(2"-2'), SB64D-1.02(2'-4').

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LOG OF BORING SB64D-1

LOG OF BORING NO. SB64D-2

PROJECT: **SEVEN LOW PRIORITY AOCs**
PROJECT LOCATION: **SENECA ARMY DEPOT, ROMULUS NY**
ASSOCIATED UNIT/AREA: **SEAD-64D**
PROJECT NO: **720518-01000**
DATE STARTED: **06/23/94**
DATE COMPLETED: **06/23/94**
DRILLING CONTRACTOR: **EMPIRE SOILS INVESTIGATIONS**
DRILLING METHOD: **HOLLOW STEM AUGER**
SAMPLING METHOD: **3" SPLIT SPOONS**

DEPTH TO WATER (ft): **6.7**
BORING LOCATION (N/E): **991351.4 740802.4**
REFERENCE COORDINATE SYSTEM: **New York State Plane**
GROUND SURFACE ELEVATION (ft): **NA**
DATUM: **NAD 1983**
INSPECTOR: **KK, LR**
CHECKED BY: **FO**

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Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 4 5 5	2.00	1.3	0	BGD	1.0	Brown, very fine SAND + SILT, little fine gray Shale fragments, trace medium Gravel, trace iron-stained Clay, trace organics, medium stiff, dry to moist.	ML
						1.3	Brown SILT, trace organics, soft, moist.	ML
						2.0	No Recovery	-
.02	3 4 4 4	2.00	1.6	0	BGD	2.3	AA, (0-1'), soft, moist.	ML
						3.0	AA, (1-1.3'), trace roots, trace fine Gravel.	ML
						3.6	Light brown, iron-stained SILT + very fine SAND, little Clay, trace organics, trace very fine, weathered gray Shale fragments, medium stiff, moist.	ML
						4.0	No Recovery	-
.03	12 18 20 18	2.00	2.0	0	BGD	4.3	AA, (3-3.6'), little very fine to fine gray Shale fragments.	ML
						5.4	Gray, fine to coarse, fractured + weathered SHALE fragments + very fine to fine SAND, trace Silt and Clay, medium dense, moist.	GM
						6.0	AA, (4-4.3').	ML
.04	18 20 26 16	2.00	1.3	0	BGD	6.5	Light brown very fine to fine SAND, some gray, very fine to medium weathered Shale fragments, trace Silt, medium stiff, wet.	SW
						6.7	AA, saturated.	SW
						7.1	Gray fractured + weathered, SHALE, saturated (6.7-6.8'), moist to wet (6.8-7.1'), iron stained.	-
						7.3	AA, (6.5-6.7').	SW
						8.0	No Recovery	-
.05	41 100/.3	0.80	0.5	0	BGD	8.5	Gray highly fractured, medium weathered SHALE, trace iron-stained, 0.1 lenses of olive gray Silt and very fine Sand, moist.	-
						10.0	No Recovery	-

NOTES: Bottom of overburden at 6.7'. The following samples were collected for chemical analysis: SB64D-2.00(0-2"), SB64D-2.01(2"-1.3'), SB64D-2.02(2.3'-3.6'), SB64D-2.03(4'-6').

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LOG OF BORING SB64D-2

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

INSPECTOR: KK, LR
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	100/.2	0.20	0.0	0	BGD			Gray SHALE	-

BORING TERMINATED AT 10.2'

NOTES: Bottom of overburden at 6.7'. The following samples were collected for chemical analysis: SB64D-2.00(0-2"), SB64D-2.01(2"-1.3'), SB64D-2.02(2.3'-3.6'), SB64D-2.03(4'-6').

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LOG OF BORING SB64D-2

Sheet 2 of 2

LOG OF BORING NO. SB64D-3

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	3.2
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	992695.3 741196.0
ASSOCIATED UNIT/AREA:	SEAD-64D	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/24/94	DATUM:	NAD 1983
DATE COMPLETED:	06/24/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	4 6 10 8	2.00	2.0	0	BGD	0–1.2	Dark brown SILT, some very fine Sand, little organics, grading from soft to medium stiff, slightly moist to moist.	ML
						1.2–2.0	Light brown-orange SILT + very fine SAND, trace very fine Gravel and gray Shale fragments, little orange Clay, trace organics, stiff, dry to slightly moist.	ML
.02	6 12 10 5	2.00	0.4	0	BGD	2.0–2.7	Light brown SILT and very fine SAND, trace very fine Gravel and gray Shale fragments, little orange Clay, stiff, moist.	ML
						2.7–3.2	Light brown SILT + very fine to fine SAND, little medium Sand, trace fine Gravel and gray Shale fragments, trace Gravel Cobble, wet.	ML
						3.2–3.4	Fine SAND, little very fine Sand and Silt, trace fine Gravel and gray Shale fragments, saturated.	SW
						3.4–4.0	No Recovery	-
.03	10 38 25 17	2.00	0.9	0	BGD	4.0–4.4	Brown CLAY + SILT, trace fine to medium gray Shale fragments, saturated.	ML
						4.4–4.9	Gray highly fractured, medium to coarse SHALE fragments, saturated, iron stained.	GW
						4.9–6.0	No Recovery	-
.04	65 12 10 14	2.00	1.3	0	BGD	6.0–6.4	Gray highly fractured, medium to coarse SHALE fragments, trace olive gray Silt, iron-stained fragments, saturated.	GM
						6.4–7.0	Very fine to coarse gray SHALE fragments + gray, iron-stained CLAY, stiff, saturated.	GC
						7.0–7.3	Light brown, iron-stained SILT + very fine SAND + fine to medium gray SHALE fragments, stiff, saturated.	GM
						7.3–8.0	No Recovery	-
.05	100/.4	0.40	0.4	0	BGD	8.0–8.2	Light gray, iron-stained CLAY + fine gray SHALE fragments, stiff, wet.	GC
						8.2–8.4	AA, (6-6.4'), dry to moist.	GC
						8.4–10.0	No Recovery	-

NOTES: Bottom of overburden at 8.4'. The following samples were collected for chemical analysis: SB64D-3.00(0-2"), SB64D-3.01 (0.2-2.0'), SB64D-3.02 (2'-3.2'), SB64D-3.01 MRD (0.2-2.0'), and SB64D-3.20 (duplicate of .01)

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LOG OF BORING SB64D-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

INSPECTOR: KK, LR
CHECKED BY: FO

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Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	100/.2	0.20	0.2	0	BGD		---	Gray highly weathered, finely laminated SHALE, dry.	-
								BORING TERMINATED AT 10.2'	

NOTES: Bottom of overburden at 8.4'. The following samples were collected for chemical analysis: SB64D-3.00(0-2"), SB64D-3.01 (0.2-2.0'), SB64D-3.02 (2'-3.2'), SB64D-3.01 MRD (0.2-2.0'), and SB64D-3.20 (duplicate of .01)

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LOG OF BORING SB64D-3

LOG OF BORING NO. SB64D-4

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	4.0
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	992588.8 741199.6
ASSOCIATED UNIT/AREA:	SEAD-64D	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/24/94	DATUM:	NAD 1983
DATE COMPLETED:	06/24/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.01	4 8 10 14	2.00	1.7	0	BGD	0.4		Brown SILT, little very fine Sand, little organic material, moist.	ML
						0.9		Light brown CLAY, trace Silt, trace(-) organic material, stiff, moist.	CL
						1.7		Light gray CLAY + SILT, little weathered Siltstone, trace Shale fragments, trace organic material, loose, moist.	ML
						2.0		No Recovery	-
.02	32 50 41 25	2.00	1.7	0	BGD	2.7		Light gray-olive brown CLAY, little Silt, trace weathered Shale fragments, loose, dry.	CL
						2.9		Gray fractured SHALE, wet.	-
						3.7		Light brown, very fine SAND, some Silt, little weathered, fractured Shale, loose, moist, saturated at (3.6-3.7').	SM
						4.0		No Recovery	-
.03	11 9 2 5	2.00	0.9	0	BGD	4.4		Light brown very fine SAND, trace(+) Silt, trace Shale fragments.	SP
						4.9		Light brown-tan SILT, little very fine Sand, saturated.	ML
						6.0		No Recovery	-
.04	25 100/.5	1.00	1.0	0	BGD	6.4		AA, (4.4-4.9').	ML
						7.0		Dark gray, highly weathered SHALE, wet.	-
						8.0		No Recovery	-
.05	100/.4	0.40	0.4	0	BGD			Gray, highly weathered SHALE, dry to damp.	-

BORING TERMINATED AT 8.4'

NOTES: Bottom of overburden at 6.5'. The following samples were collected for chemical analysis: (SB64D-4.00), (SB64D-4.01), (SB64D-4.02).

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LOG OF BORING SB64D-4

LOG OF BORING NO. SB64D-5

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	6.0
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	991240.7 740681.3
ASSOCIATED UNIT/AREA:	SEAD-64D	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/25/94	DATUM:	NAD 1983
DATE COMPLETED:	06/25/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	4 6 7 8	2.00	1.7	0	BGD	0.3	Brown SILT, little very fine Sand, little organic material, trace fine Shale fragments, loose, moist.	ML
						1.7	Light brown SILT, some very fine Sand trace(-) fine Gravel, trace(-) organic material, loose, damp.	ML
						2.0	No Recovery	-
.02	11 11 14 16	2.00	1.6	0	BGD	3.6	Light brown very fine SAND + SILT, trace(+) very fine to fine Shale fragments, trace(-) organic material, medium stiff, dry.	ML
						4.0	No Recovery	-
.03	13 13 24 77	2.00	1.9	0	BGD	5.2	Light brown SAND + SILT, trace(+) very fine to fine Shale fragments, trace Clay, medium stiff, dry.	ML
						5.9	Light brown alternating lenses of very fine SAND, little(+) Silt, trace Clay and weathered/fractured Shale, wet.	ML
						6.0	No Recovery	
.04	74 48 100/.1	1.10	1.0	0	BGD	6.7	Weathered + fractured SHALE w/little lense of light brown very fine Sand and Silt, saturated.	-
						7.0	Gray weathered/fractured SHALE, saturated.	-
						8.0	No Recovery	-
.05	100/.2	0.20	0.1	0	BGD		Gray fractured SHALE.	-

BORING TERMINATED AT 8.2'

NOTES: Bottom of overburden at 5.5'. The following samples were collected for chemical analysis: SB64D-5.00(0-2"), SB64D-5.01(2"-2'), SB64D-5.02(2'-4').

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LOG OF BORING SB64D-5

LOG OF BORING NO. SB64D-6

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64D
PROJECT NO: 720518-01000
DATE STARTED: 06/25/94
DATE COMPLETED: 06/25/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): NA
BORING LOCATION (N/E): 993876.2 740349.0
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): NA
DATUM: NAD 1983
INSPECTOR: KK, LR
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3, 8, 16, 15	2.00	1.3	0	BGD	0.6	Brown SILT, little very fine Sand, little organic material, trace(-) fine Shale, loose, moist.	ML
						1.3	Light brown SILT + very fine SAND, trace(+) very fine Shale fragments, trace(-) organic material, medium stiff, organic.	ML
						2.0	No Recovery	-
.02	24, 18, 35, 57	2.00	1.8	0	BGD	2.3	Light brown CLAY, trace(-) Silt + very fine Sand.	CL
						2.8	Gray-brown SILT + very fine SAND, little very fine to fine Gravel (Shale), trace Clay, trace medium to coarse Shale fragments, medium stiff, moist to wet.	ML
						3.4	Olive gray-gray weathered SHALE + CLAY w/little Silt, trace organic material, dry.	GC
						3.8	Olive gray to gray highly weathered SHALE, dry.	-
						4.0	No Recovery	-
.03	25, 100/.4	0.90	0.5	0	BGD	4.5	AA, (3.4-3.8'), moist to wet.	-
						6.0	No Recovery	-
.04	100/.2	0.20	0.1	0	BGD		Dark gray fractured SHALE, dry.	-

BORING TERMINATED AT 6.2'

NOTES: Bottom of overburden at 4.5'. The following samples were collected for chemical analysis: SB64D-6.00(0-2"), SB64D-6.01(2"-2'), SB64D-6.02(2'-4').

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LOG OF BORING SB64D-6

LOG OF BORING NO. SB64D-7

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-64D
PROJECT NO: 720518-01000
DATE STARTED: 06/24/94
DATE COMPLETED: 06/24/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 4.2
BORING LOCATION (N/E): 993532.9 740778.6
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): NA
DATUM: NAD 1983
INSPECTOR: KK, LR
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.01	5 6 8 10	2.00	1.7	0	BGD	0.5		Brown SILT, little(-) very fine Sand, trace(+) organic material, loose, moist to wet.	ML
						1.5		Light brown SILT, some very fine Sand, trace weathered fine Shale fragments, trace(-) organic material, medium stiff, moist.	ML
						1.7		Light brown tan SILT + very fine SAND, loose, wet.	ML
						2.0		No Recovery	-
.02	18 18 24 40	2.00	1.6	0	BGD	3.6		Light brown-gray SILT, some very fine Sand, little(-) Clay, trace(+) Shale fragments, moist.	ML
						4.0		No Recovery	-
.03	42 100/.4	0.90	0.9	0	BGD			Gray highly weathered SHALE, wet to saturated (4.2-4.6'), damp to moist (4.6-4.9').	-

BORING TERMINATED AT 4.9'

NOTES: Bottom of overburden at 4'. Samples taken for chemical analysis were: SB64D-7.00(0-2"), SB64D-7.01(2"-2'), SB64D-7.02(2'-4').

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LOG OF BORING SB64D-7

Sheet 1 of 1

LOG OF BORING NO. SB64D-8

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	4
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	993098.6 740816.8
ASSOCIATED UNIT/AREA:	SEAD-64D	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/24/94	DATUM:	NAD 1983
DATE COMPLETED:	06/24/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	4 5 9 10	2.00	1.9	0	BGD	0.6	Dark brown SILT, some very fine Sand, little organics, trace very fine gray Shale fragments.	ML
						1.9	Grading from light brown to olive gray SILT, little very fine Sand, trace organics, trace very fine to fine gray Shale fragments, little iron-stained Clay, medium stiff to stiff, slightly moist.	ML-GC
						2.0	No Recovery	
.02	12 14 18 16	2.00	1.8	0	BGD	3.8	Olive-gray SILT, some very fine Sand, little heavily iron-stained Clay, little very fine to coarse gray Shale fragments, trace coarse Gravel, trace coarse gray fine fragments, fractured Shale from (3.5-3.8), stiff, slightly moist.	ML
						4.0	No Recovery	-
.03	29 65 71 100/.3	1.70	1.7	0	BGD	4.3	Gray very fine to medium SHALE fragments, some light gray Clay and Silt, saturated.	GC-GM
						4.5	Highly fractured, slightly weathered SHALE, trace light gray Clay, saturated.	-
						4.8	Highly fractured, highly weathered SHALE, moist.	-
						5.7	AA, iron-stained medium Shale fragments from (4.5-5.7'), dry to moist.	-
							No Recovery	
							BORING TERMINATED AT 5.8'	

NOTES: Bottom of overburden at 4.3'. The following samples were collected for chemical analysis: SB64D-8.00 (0-2"), SB64D-8.01 (0.2-2.0'), SB64D-8.02 (2.0-4.0').

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LOG OF BORING SB64D-8

LOG OF BORING NO. SB64D-9

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	4.5
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	993140.6 741264.7
ASSOCIATED UNIT/AREA:	SEAD-64D	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/25/94	DATUM:	NAD 1983
DATE COMPLETED:	06/25/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)
.01	4, 6, 14, 8	2.00	2.0	0	BGD
.02	6, 14, 15, 12	2.00	1.9	0	BGD
.03	6, 4, 7, 10	2.00	1.9	0	BGD
.04	6, 100/.2	0.70	0.7	0	BGD

Depth (ft): 1, 2, 3, 4, 5, 6

Depth markers: 0.2, 0.8, 1.2, 2.0, 2.8, 3.2, 3.5, 3.9, 4.0, 4.5, 4.9, 5.4, 5.9, 6.0, 6.4, 6.7

DESCRIPTION

Dark brown SILT, little Clay, little very fine Sand, little organics, loose, moist.

Light brown to brown SILT and very fine SAND, trace very fine Gravel, trace organics, medium stiff to soft, slightly moist.

Brown SILT, little iron-stained Clay, trace very fine Sand, trace very fine to fine gray Shale fragments, trace organics, medium stiff.

Gray-brown CLAY and + highly fractured, weathered, iron-stained SHALE, little Silt, medium soft to soft, moist.

AA(.8-1.2')

AA, little very fine Sand.

Light brown very fine to fine SAND, trace fine to medium gray Shale fragments, little coarse sand-sized gray Shale fragments, little Silt, iron-stained, wet.

Fractured, weathered, iron-stained SHALE fragments and light brown, iron-stained Silt and very fine Sand, wet to moist.

No Recovery

Brown SILT + very fine SAND, little fine to coarse gray Shale fragments, iron-stained, soft, moist to wet.

AA, saturated.

Light brown very fine to medium SAND, trace very fine to fine gray SHALE fragments, loose, saturated.

Light gray, iron-stained CLAY and very fine to coarse, weathered gray SHALE fragments, trace very fine Sand, soft, wet.

No Recovery

Olive gray SILT and CLAY, very fine to coarse gray Shale fragments, loose, saturated.

Gray, fractured, weathered, iron-stained, coarse gray Shale fragments, saturated.

No Recovery

BORING TERMINATED AT 6.8'

USCS: ML, ML, ML, GC, GC, CL, SW, GM, ML, ML, SW, CL, CL, -

NOTES: Bottom of overburden at 6.4'. The following samples were collected for chemical analysis: SB64D-9.00(0-2"), SB64D-9.01(2"-2'), SB64D-9.02(2'-4').

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LOG OF BORING SB64D-9

LOG OF BORING NO. SB64D-10

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	5.0
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	992967.4 741344.7
ASSOCIATED UNIT/AREA:	SEAD-64D	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	06/25/94	DATUM:	NAD 1983
DATE COMPLETED:	06/25/94	INSPECTOR:	KK, LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	3 4 5 5	2.00	1.6	0	BGD	0.7	Dark brown SILT, little organics, moist.	ML
						1.4	Little brown, iron-stained SILT and CLAY, trace very fine Sand, trace organic, trace(-) very fine gray Shale fragments, medium stiff, moist.	ML
						1.6	Brown SILT, trace iron-stained Clay, little very fine to fine gray Shale fragments, soft to medium stiff, moist.	ML
						2.0	No Recovery	-
.02	9 15 18 18	2.00	2.0	0	BGD	2.5	AA (1.4-1.6'), medium stiff.	ML
						3.3	Light iron stained CLAY, trace very fine to fine gray Shale fragments, stiff, slightly moist.	CL
						4.3	Olive gray SILT, little very fine Sand, trace Clay, little very fine to fine gray Shale fragments, stiff to medium stiff, slightly moist	ML
.03	8 12 19 10	2.00	1.1	0	BGD	5.0	AA, (2.5-3.3'), trace decayed organics.	CL
						5.2	Light brown very fine SAND and SILT, little weathered fine gray Shale fragments, soft, saturated.	ML
						6.0	No Recovery	-
.04	19 24 27 30	2.00	1.0	0	BGD	6.7	Slightly weathered, highly fractured, coarse gray SHALE fragments, iron-stained, saturated.	GW
						7.0	Olive gray CLAY and very fine to coarse gray SHALE fragments, saturated.	GC
						8.0	No Recovery	-
.05	85 55 50 100/.1	1.60	0.7	0	BGD	8.7	Gray fractured SHALE, trace iron staining, saturated.	-
							No Recovery	-
							BORING TERMINATED AT 9.6'	

NOTES: Bottom of overburden at 6.0'. The following samples were collected for chemical analysis: SB64D-10.00(0-2"), SB64D-10.01(2"-2'), SB64D-10.03(4'-5.1').

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LOG OF BORING SB64D-10

LOG OF BORING NO. MW67-1

PROJECT:	SEVEN LOW PRIORITY AOCs
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA:	SEAD-67
PROJECT NO:	720518-01000
DATE STARTED:	03/30/94
DATE COMPLETED:	03/30/94
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD:	HOLLOW STEM AUGER
SAMPLING METHOD:	3" SPLIT SPOONS
DEPTH TO WATER (ft):	6.9
BORING LOCATION (N/E):	1002498.4 748911.7
REFERENCE COORDINATE SYSTEM:	New York State Plane
GROUND SURFACE ELEVATION (ft):	696.7
DATUM:	NAD 1983
INSPECTOR:	FO
CHECKED BY:	FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	2 6 10 12	2.00	1.0	0	BGD	0.8	Brown SILT, little Organic material, moist. FILL	ML
						1.0	Orange brown CLAY, trace Silt, some banding of silt. FILL	CL
						2.0	No Recovery	-
.02	10 12 13 19	2.00	1.0	0	BGD	2.2	Very coarse Gravel (fine Sandstone). FILL	GW
						3.0	Pink-gray-brown CLAY, little fine Gravel, trace(+) Silt, trace very fine Sand, trace weathered Shale fragments, loose, moist. BOTTOM OF FILL	CL
						4.0	No Recovery	-
.03	15 21 31 36	2.00	1.8	0	BGD	4.3	Gray-tan SILT + CLAY, some weathered Claystone, trace fine Shale fragments, moist.	ML
						4.6	Light brown SILT, trace very fine Sand, trace fine Shale fragments, loose, moist to wet.	ML
						4.9	Dark gray fractured SHALE, slightly weathered, wet	-
						5.8	Light brown very fine SAND, some Silt, little medium to coarse Shale fragments, trace fine Shale, fossiliferous, trace iron staining, loose, wet, saturated from 5.7-5.8'.	SM
						6.0	No Recovery	-
.04	57 112	1.00	0.9	0	BGD	6.9	AA, (4.9-5.8') little fine to medium SHALE, trace very coarse Shale fragments at 6.8', wet.	SM
						8.0	No Recovery	-
.05	100/.3	0.30	0.3	0	BGD	8.3	Gray fractured SHALE, saturated.	-
						10.0	No Recovery	-

NOTES: Bottom of fill 3.0'. Bottom of overburden at 6.9'. No samples were collected for chemical analysis.

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LOG OF BORING MW67-1

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	100/.1	0.10	0.1	0	BGD	10.1		Gray fractured SHALE, saturated.	
								No Recovery	-
						11			

BORING TERMINATED AT 11.3'
AUGER REFUSAL

NOTES: Bottom of fill 3.0'. Bottom of overburden at 6.9'. No samples were collected for chemical analysis.

LOG OF BORING NO. MW67-2

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	6.0
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	1002256.6 748953.1
ASSOCIATED UNIT/AREA:	SEAD-67	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	697.7
DATE STARTED:	03/30/94	DATUM:	NAD 1983
DATE COMPLETED:	03/30/94	INSPECTOR:	KK,LR
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	1 3 5 7	2.00	1.8	0	BGD	0.5	Dark brown SILT, some organic material, little very fine Sand, soft, saturated. FILL	ML
						0.8	Light brown SILT, little very fine Sand, trace Clay, soft to medium stiff, wet. FILL	ML
						1.8	Olive gray, iron stained CLAY + SILT, trace fine to coarse Shale, fragments and Gravel, medium stiff to stiff, moist. FILL	ML
						2.0	No Recovery	-
.02	14 18 18 22	2.00	2.0	0	BGD	2.3	AA, (0.5-0.8') saturated.	ML
						2.6	AA, (0.8-1.8') BOTTOM OF FILL	ML
						3.2	Light brown to tan CLAY, trace highly weathered Shale, very stiff, dry.	CL
						4.0	AA, (0.8-1.8')	ML
.03	14 18 25 32	2.00	1.9	0	BGD	5.2	Light brown CLAY and SILT, little fine to coarse gray Shale fragments and Gravel, little(-) very fine Sand, medium stiff, moist.	ML
						5.6	Highly weathered, fractured gray SHALE, loose, dry.	-
						5.7	Fractured moderately weathered gray SHALE fragments, loose, saturated.	ML
						5.9	AA, (4.0-5.2') and fine to medium Shale fragments, moist.	
.04	51 67 65 70	2.00	1.6	0	BGD	6.0	No Recovery	ML
						7.6	Light brown SILT, some very fine to fine Sand, some fine to coarse weathered and competent Shale fragments, trace coarse sand-sized Shale fragments, loose to medium stiff, saturated.	
						8.0	No Recovery	-
.05	67 100 100/.2	1.20	1.2	0	BGD	8.4	Light brown SILT, some Shale fragments, little Clay, trace very fine Sand, wet.	ML
						8.7	Light brown SILT and very fine SAND and SHALE fragments, loose, saturated.	ML
						9.1	Gray weathered SHALE, trace Silt, trace very fine Sand, loose, moist to dry.	-
						9.2	Gray SHALE	
						10.0	No Recovery	-

NOTES: Bottom of fill at 2.6'. Bottom of overburden at 8.7'. Samples taken for chemical analysis were: MW67-2.00 (0-2"), MW67-2.02 (2-4'), MW67-2.03 (4-5').

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

INSPECTOR: KK,LR
CHECKED BY: FO

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
.06	100/.1	0.10	0.1	0	BGD	10.1		Gray SHALE	
						11		No Recovery	-
								BORING TERMINATED AT 11.8' AUGER REFUSAL	

NOTES: Bottom of fill at 2.6'. Bottom of overburden at 8.7'. Samples taken for chemical analysis were: MW67-2.00 (0-2"), MW67-2.02 (2-4'), MW67-2.03 (4-5').

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LOG OF BORING MW67-2

LOG OF BORING NO. MW67-3

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	8.5
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	1002492.2 748794.6
ASSOCIATED UNIT/AREA:	SEAD-67	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	695.0
DATE STARTED:	03/29/94	DATUM:	NAD 1983
DATE COMPLETED:	03/29/94	INSPECTOR:	FO
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	2, 5, 7, 10	2.00	1.5	0	BGD	0.6	Brown SILT, some organic material, loose, wet. FILL	ML
						1.1	Light brown SILT + CLAY, trace organic material, trace medium Shale fragments, loose, wet. FILL	ML
						1.5	Gray fractured SHALE, little Silt + Clay, trace organic material, saturated. FILL	ML
						2.0	No Recovery	-
.02	11, 10, 11, 24	2.00	1.6	0	BGD	2.7	Light brown SILT, little Clay, little fractured Shale, trace organic material, saturated. BOTTOM OF FILL	ML
						3.6	Light brown SILT, trace very fine Sand, trace fine Shale fragments, trace(-) Clay, loose, moist to wet. Trace iron staining.	ML
						4.0	No Recovery	-
.03	11, 21, 52, 100/.4	1.90	1.0	0	BGD	4.3	Olive gray SILT + CLAY + highly weathered CLAYSTONE, loose, wet to saturated.	ML
						5.0	Light brown SILT, some very fine Sand, trace fine to medium Shale fragments, trace coarse Shale fragments, moist to wet.	ML
						7.0	SHALE BOULDER	-
.04	33, 46, 26, 19	2.00	1.5	0	BGD	8.5	Light brown very fine SAND, little(+) Silt, trace fine to medium Shale, loose, wet, saturated at tip.	SM
						9.0	No Recovery	-
.05	20, 72, 100/.4	1.40	1.2	0	BGD	9.4	Light brown SILT and very fine SAND, trace fine to medium Shale fragments, loose, saturated.	ML
						10	Dark gray SHALE, highly fractured.	-

NOTES: Botttom of fill at 2.7'. Bottom of overburden at 9.4'. No samples were collected for chemical analysis.

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LOG OF BORING MW67-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

GROUND SURFACE ELEVATION:
INSPECTOR: FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
						10.2		Dark gray SHALE, highly fractured.	-
								No Recovery	-
						11.0			
.06	100/.5	0.50	0.4	0	BGD	11 / 11.4		Dark gray SHALE, highly fractured.	-
								No Recovery	-

BORING TERMINATED AT 11.5'

NOTES: Botttom of fill at 2.7'. Bottom of overburden at 9.4'. No samples were collected for chemical analysis.

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LOG OF BORING MW67-3

LOG OF BORING NO. MW70-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-70
PROJECT NO: 720518-01000
DATE STARTED: 05/11/94
DATE COMPLETED: 05/11/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 5.3
BORING LOCATION (N/E): 1007329.9 740889.1
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 636.5
DATUM: NAD 1983
INSPECTOR: KK, FO
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	1 3 3 4	2.00	1.4	0	BGD	0.5	Brown SILT and very fine SAND, little(+) organic material, loose, moist to wet.	ML
						1.0	Tan-gray very fine SAND + SILT, trace organic material, moist to wet.	ML
						1.4	AA and Clay.	ML
						2.0	No Recovery	-
.02	3 4 4 5	2.00	1.4	0	BGD	2.4	Gray-brown CLAY, some Silt, little very fine Sand, loose, moist to wet.	CL
						3.4	Pink-brown-gray very fine SAND + SILT, trace fine to coarse Gravel, trace fine(-) Shale fragments, trace iron staining, wet to saturated.	ML
						4.0	No Recovery	-
.03	5 8 7 9	2.00	1.8	0	BGD	5.8	Light brown SILT and very fine SAND, little(-) Shale fragments, wet from (4-5.3'), saturated from (5.3-5.8').	ML
						6.0	No Recovery	-
.04	13 24 15 15	2.00	2	0	BGD	7.2	Light brown SILT, some very fine SAND, little(+) fine to medium Shale fragments, stiff, saturated.	ML
						8.0	AA, trace coarse Shale fragments.	ML
.05	55 100/.2	0.70	0.7	0	BGD	8.7	Dark gray, highly weathered, finely laminated, SHALE, saturated.	-
						10.0	No Recovery	-

NOTES: Bottom of overburden at 8.0'. The following samples were collected for chemical analysis: MW70-1.00(0-2"), MW70-1.02(2'-4'), MW70-1.03(4'-6').

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LOG OF BORING MW70-1

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	100/.4	0.40	0.2	0	BGD	10.2		Finely laminated SHALE, saturated	-
								No Recovery	-

BORING TERMINATED AT 10.4'

NOTES: Bottom of overburden at 8.0'. The following samples were collected for chemical analysis: MW70-1.00(0-2"), MW70-1.02(2'-4'), MW70-1.03(4'-6').

LOG OF BORING NO. MW70-2

PROJECT:	SEVEN LOW PRIORITY AOCs
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA:	SEAD-70
PROJECT NO:	720518-01000
DATE STARTED:	04/04/94
DATE COMPLETED:	04/04/94
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD:	HOLLOW STEM AUGER
SAMPLING METHOD:	3" SPLIT SPOONS
DEPTH TO WATER (ft):	4.8
BORING LOCATION (N/E):	1007329.8 740555.6
REFERENCE COORDINATE SYSTEM:	New York State Plane
GROUND SURFACE ELEVATION (ft):	635.4
DATUM:	NAD 1983
INSPECTOR:	KK
CHECKED BY:	FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	4 10 12 12	2.00	1.7	4.0	BGD	0.2	Dark brown SILT and fine gray SHALE fragments, some organics, loose, wet.	GM
						1.0	Dark brown SILT, some weathered fine to medium gray Shale fragments, medium stiff to stiff, moist.	ML
						1.7	Light brown CLAY + SILT, trace fine Gravel, stiff, moist to dry, iron stained.	ML
						2.0	No Recovery	-
.02	8 10 14 4	2.00	1.8	0	BGD	3.0	Gray iron-stained CLAY, trace coarse quartz Gravel, trace fine Shale fragments, stiff, moist to dry.	CL
						3.8	Highly weathered gray SHALE and CLAY, stiff, moist to dry.	CL
						4.0	No Recovery	-
.03	4 6 4 6	2.00	1.6	0	BGD	4.8	Olive gray iron-stained CLAY interbedded with weathered gray SHALE, medium stiff, moist, trace wetness on Shale fragments.	CL
						5.7	Olive gray SILT, some very fine to fine Sand, some very fine to medium gray Shale fragments, loose saturated.	ML
						6.0	No Recovery	-
.04	5 18 18 14	2.00	2.0	0	BGD	7.1	Light brown SILT and very fine SAND, some fine gray Shale fragments, some coarse Shale fragments, very loose, saturated.	ML
						7.9	Gray fractured, slightly weathered SHALE, trace olive gray Silt, saturated.	-
.05	11 21 45 100/.1	1.60	1.6	0	BGD	8.1	Olive gray SILT + CLAY, some fine to medium gray Shale fragments, medium stiff, moist, wet Shale fragments.	ML
						8.7	Olive gray SILT + CLAY + coarse fractured SHALE fragments(weathered), medium stiff, saturated.	GM-GC
						9.6	Gray fractured, highly weathered SHALE, trace olive gray Clay, saturated.	-
						10.0	No Recovery	-

NOTES: Bottom of overburden at 8.7'. No samples were collected for chemical analysis.

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	100/.1	0.10	0.1	0	BGD	10.1		Gray fractured SHALE, dry.	
						11		No Recovery	-

BORING TERMINATED AT 11.6'
AUGER REFUSAL

NOTES: Bottom of overburden at 8.7'. No samples were collected for chemical analysis.

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LOG OF BORING MW70-2

LOG OF BORING NO. MW70-3

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	5.3
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	1007173.3 740552.3
ASSOCIATED UNIT/AREA:	SEAD-70	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	636.3
DATE STARTED:	04/05/94	DATUM:	NAD 1983
DATE COMPLETED:	04/05/94	INSPECTOR:	KK
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	4 8 9 9	2.00	0.3	0	BGD	0.3	Brown SILT + CLAY, some organics, trace medium gray Shale fragments, loose, wet.	ML
						2.0	No Recovery	-
.02	8 14 17 15	2.00	2.0	0	BGD	2.5	Dark brown SILT + CLAY, trace(+) Gravel, trace organics, medium stiff, moist.	ML
						3.3	Gray iron-stained CLAY, trace fine to medium Gravel, stiff to very stiff, moist.	CL
						3.6	AA, little(+) fine to medium gray Shale fragments.	CL
						4.0	Gray weathered SHALE interbedded with gray iron-stained CLAY, Clay is moist, wetness on Shale fragments.	CL
.03	6 9 9 10	2.00	1.8	0	BGD	4.3	AA, (3.6-4.0').	CL
						5.0	AA, moist.	CL
						5.3	Gray iron-stained CLAY, trace medium gray Shale fragments and Gravel, soft to medium stiff, moist to wet.	CL
						5.8	AA, 0.05' lenses of some very fine Sand, wet, wetness on Shale fragments.	CL
						6.0	No Recovery	CL
.04	7 14 20 54	2.00	2.0	0	BGD	6.5	AA, (5.0-5.3') little(+) very fine Sand.	CL
						7.5	Light brown very fine SAND, little Silt, little fine gray Shale fragments, trace fine Sand, loose, wet.	SM
.05	60 100/.4	0.90	0.9	0	BGD	8.9	Gray fractured + weathered SHALE, saturated.	-
							No Recovery	-

BORING TERMINATED AT 9.4'
AUGER REFUSAL

NOTES: Bottom of overburden at 7.5'. No samples were collected for chemical analysis.

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LOG OF BORING MW70-3

LOG OF BORING NO. MW70-4

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	5.7
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	1007055.2 740563.3
ASSOCIATED UNIT/AREA:	SEAD-70	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	636.3
DATE STARTED:	05/11/94	DATUM:	NAD 1983
DATE COMPLETED:	05/11/94	INSPECTOR:	FO
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	1 3 4 6	2.00	1.5	0	BGD	0.6	Brown SILT, little(+) organic material, trace Shale fragments, loose, wet.	ML
						1.5	Tan-gray CLAY, some Silt, little fine weathered Shale fragments, trace organic material, medium stiff, moist to wet.	CL
						2.0	No Recovery	-
.02	6 11 13 14	2.00	1.8	0	BGD	2.7	Light brown-gray SILT + CLAY + very fine SAND, trace(+) weathered Shale fragments, loose, wet, (saturated 2.5-2.7').	ML
						3.8	Gray-dark gray highly weathered, fractured SHALE with Clay filled fracture planes, little iron staining.	-
						4.0	No Recovery	-
.03	10 12 13 18	2.00	2.0	0	BGD	5.7	Light brown very fine SAND, little gray silty-Clay, trace(+) fine to coarse Shale fragments, stiff, moist to wet.	SC
						6.0	Light brown very fine SAND + SILT, trace fine to medium Shale fragments, loose, saturated.	ML
.04	25 37 44 50	2.00	1.8	0	BGD	7.2	Light brown very fine SAND, little Silt, trace weathered Shale fragments, trace fine to medium Gravel, trace iron staining, loose, wet, (saturated lens 6.6-6.7').	SM
						7.5	AA, saturated.	SM
						7.8	AA, (6-7.2') moist to wet.	SM
						8.0	No Recovery	-
.05	27 100/.4	0.90	0.9	0	BGD	8.9	Light brown very fine SAND, little Silt, little weathered Shale fragments, medium stiff, moist to wet. Shale at tip of spoon.	SM
						10	Dark gray weathered, fractured SHALE, moist to wet.	-

NOTES: Bottom of overburden at 8.9'. No samples were collected for chemical analysis. Lithology between (8.9-10.1') was based on drill cuttings noted while augering to refusal.

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LOG OF BORING MW70-4

PROJECT: **SEVEN LOW PRIORITY AOCs**
PROJECT NO: **720518-01000**
PROJECT LOCATION: **SENECA ARMY DEPOT, ROMULUS NY**

GROUND SURFACE ELEVATION: **636.3**
INSPECTOR: **FO**
CHECKED BY: **FO**

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations. DESCRIPTION	USCS
								BORING TERMINATED AT 10.1'	

NOTES: Bottom of overburden at 8.9'. No samples were collected for chemical analysis. Lithology between (8.9-10.1') was based on drill cuttings noted while augering to refusal.

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LOG OF BORING MW70-4

LOG OF BORING NO. SB70-1

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	NA
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	1007273.2 740785.9
ASSOCIATED UNIT/AREA:	SEAD-70	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	NA
DATE STARTED:	02/22/94	DATUM:	NAD 1983
DATE COMPLETED:	02/22/94	INSPECTOR:	KK, FO
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	6 15 16 10	2.00	1.7	0	BGD	0.1	Organic, wet	PT
							Gray-brown SILT + CLAY, little fine Shale, stiff, slightly moist.	CL
						1.3	Gray-brown SILT + weathered SHALE, trace fine to medium Shale fragments, slightly moist.	ML
						1.7 2.0	No Recovery	-
.02	8 7 7 6	2.00	1.8	0	BGD		Gray-brown SILT, some coarse Shale fragments, medium dense, dry to moist, rock faces wet.	ML
						3.4	Brown SILT, trace Clay, fine Sand, organics, soft, slightly moist.	ML
						3.8 4.0	No Recovery	-
.03	7 10 12 60	2.00	1.5	0	BGD		Brown SILT + CLAY, trace organics, soft, moist.	ML
						4.3	Gray-brown Clay with orange mottling, trace Silt, trace fine to medium Gravel, trace organic material, medium stiff, moist.	CL
						5.3	AA, trace fine Sand.	CL
						5.5	No Recovery	-
.04	70 75 100/.4	1.40	NR	NA	NA			
						8.0	Gray SHALE	-
.05	100/.3	0.30	0.3	NA	NA	8.3	No Recovery	-
						9	BORING TERMINATED AT 9.0' AUGER REFUSAL	

NOTES: No water bearing zones observed during drilling. Bottom of overburden at 8.0'. The following samples were collected for chemical analysis: SB70-1.01(0-2"), SB70-1.02(2'-4'), SB70-1.03(4'-6').

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LOG OF BORING SB70-1

LOG OF BORING NO. SB70-2

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-70
PROJECT NO: 720518-01000
DATE STARTED: 02/21/94
DATE COMPLETED: 02/21/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 8.7
BORING LOCATION (N/E): 1007366.4 740580.0
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): NA
DATUM: NAD 1983
INSPECTOR: FO,KK
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	6, 8, 8, 12	2.00	1.4	0	BGD	0.1	Organic soil.	PT
						1.3	Light brown SILT + CLAY, trace fine Shale fragments, trace organic material, medium stiff, moist. Frozen from 0-.7'	CL
						1.4	Yellow-orange granular CLAY, saturated.	CL
						2.0	No Recovery	-
.02	11, 16, 10, 14	2.00	1.4	0	BGD	2.5	Orange-yellow CLAY, trace fine Gravel, organics, medium stiff, moist, gray-brown mottling.	CL
						3.2	Gray-brown CLAY, little fine to medium Gravel, trace Silt, trace organics, medium stiff, moist.	CL
						3.4	Gray-brown CLAY, little Silt, stiff, moist.	CL
						4.0	No Recovery	-
.03	18, 35, 30, 37	2.00	1.6	0	BGD	4.6	Gray-brown CLAY + SILT, trace fine Gravel, medium stiff, slightly moist.	CL
						5.4	Gray-brown SILT + CLAY, little fine to coarse Gravel, medium stiff, slightly moist.	CL
						5.6	Gray fractured SHALE, dry.	-
						6.0	No Recovery	-
0.4	100/.4	0.60	0.6	0	BGD	6.2	Brown SILT, little Clay, fine to medium Gravel, trace fine Sand, stiff, slightly moist.	CL
						6.6	AA, no trace fine Sand, Black Shale fragment at 6.6'.	CL
						8.0	No Recovery	-
.05	47, 80, 100/.3	1.30	1.2	0	BGD	8.3	Gray SHALE, trace Silt, dry.	GW
						8.7	Light brown SILT, some fine to coarse Shale fragments, dry to moist.	ML
						9.2	Light brown + gray-brown SILT, some Shale, saturated.	GM
						9.3	Gray SHALE, dry to moist.	-
						10	No Recovery	-

NOTES: Bottom of overburden at 9.2'. The following samples were collected for chemical analysis: SB70-2.01(0-2"), SB70-2.03(4'-6'), SB70-2.05(8'-10').

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LOG OF BORING SB70-2

PROJECT: **SEVEN LOW PRIORITY AOCs**
PROJECT NO: **720518-01000**
PROJECT LOCATION: **SENECA ARMY DEPOT, ROMULUS NY**

GROUND SURFACE ELEVATION: **NA**
INSPECTOR: **FO,KK**
CHECKED BY: **FO**

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	100/.3	0.30	NR	NA	NA			No Recovery	-

BORING TERMINATED AT 10.5'
AUGER REFUSAL

NOTES: Bottom of overburden at 9.2'. The following samples were collected for chemical analysis: SB70-2.01(0-2"), SB70-2.03(4'-6'), SB70-2.05(8'-10').

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LOG OF BORING SB70-2

LOG OF BORING NO. SB70-3

PROJECT: **SEVEN LOW PRIORITY AOCs**
PROJECT LOCATION: **SENECA ARMY DEPOT, ROMULUS NY**
ASSOCIATED UNIT/AREA: **SEAD-70**
PROJECT NO: **720518-01000**
DATE STARTED: **02/21/94**
DATE COMPLETED: **02/21/94**
DRILLING CONTRACTOR: **EMPIRE SOILS INVESTIGATIONS**
DRILLING METHOD: **HOLLOW STEM AUGER**
SAMPLING METHOD: **3" SPLIT SPOONS**

DEPTH TO WATER (ft): **7.6**
BORING LOCATION (N/E): **1007262.5 740599.4**
REFERENCE COORDINATE SYSTEM: **New York State Plane**
GROUND SURFACE ELEVATION (ft): **NA**
DATUM: **NAD 1983**
INSPECTOR: **FO,KK**
CHECKED BY: **FO**

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	4 6 9 12	2.00	1.1	0	BGD	0.1	Organic material	PT
						0.4	Gray brown SILT, little medium to coarse Shale fragments, trace organics, soft, saturated.	ML
						0.6	AA, some fine to medium Shale fragments, trace organics, dry to moist.	ML
						1.1	Gray-brown SILT, trace organic material, slightly moist.	ML
						2.0	No Recovery	-
.02	16 18 18 20	2.00	1.6	0	BGD	2.4	Brown CLAY, orange mottling, little Silt, trace fine Gravel, trace organics, moist.	CL
						3.1	Orange-brown CLAY, some Silt, trace Organics, trace fine Sand, trace medium to coarse Gravel.	CL
						3.6	AA, (2.0-2.4' without organics).	CL
						4.0	No Recovery	-
.03	18 24 25 26	2.00	1.6	0	BGD	4.7	Brown-gray SILT, little fine to medium fragments of weathered and competent Shale, stiff, slightly moist.	ML
						5.3	Brown-gray SILT, some medium to coarse Shale, stiff, slightly moist.	ML
						5.6	AA, (4.0-4.7').	ML
						6.0	No Recovery	-
.04	40 41 50 50	2.00	1.9	0	BGD	7.1	Brown-gray SILT, trace coarse Gravel, stiff, slightly moist.	ML
						7.3	Gray SHALE, dry.	-
						7.6	AA, (6.0-7.1') some coarse Gravel, stiff, slightly moist.	ML
						7.9	Gray fractured SHALE, little Silt, saturated.	GW
						8.0	No Recovery	-
.05	25 23 20 50	2.00	1.8	0	BGD	8.9	Brown-gray SILT, some fine to medium Gravel and Shale fragments, little fine Sand, medium stiff, slightly moist.	ML
						9.1	SHALE + SILT, loose, saturated.	GM
						9.3	SILT, some fine to medium Shale fragments, saturated.	ML
						9.8	AA, (8.9-9.1').	GM

NOTES: Bottom of overburden at 10'. The following samples were collected for chemical analysis: SB70-3.01(0-2"), SB70-3.03(4'-6'), SB70-3.05(8'-10').

PROJECT: **SEVEN LOW PRIORITY AOCs**
PROJECT NO: **720518-01000**
PROJECT LOCATION: **SENECA ARMY DEPOT, ROMULUS NY**

GROUND SURFACE ELEVATION: **NA**
INSPECTOR: **FO,KK**
CHECKED BY: **FO**

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
.06	75 100/.4	0.90	0.9	0	BGD	10.0 10.9		Gray-black SHALE, fractured, trace Silt, saturated.	-
						11		No Recovery	

BORING TERMINATED AT 11'
AUGER REFUSAL

NOTES: Bottom of overburden at 10'. The following samples were collected for chemical analysis: SB70-3.01(0-2"), SB70-3.03(4'-6'), SB70-3.05(8'-10').

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LOG OF BORING SB70-3

LOG OF BORING NO. MW71-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-71
PROJECT NO: 720518-01000
DATE STARTED: 03/14/94
DATE COMPLETED: 03/14/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 6.0
BORING LOCATION (N/E): 999297.5 750894.8
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 747.1
DATUM: NAD 1983
INSPECTOR: FO,KK,MB
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	17 22 17 28	2.00	1.6	0	BGD	0.4	Black fine to medium Gravel and Asphalt, loose, saturated.	-
						1.0	Olive gray SILT, some very fine to course Shale fragments, trace Clay medium stiff, wet.	ML
						1.6	Olive gray SILT, some very fine to coarse Shale fragments, grading downward from trace Clay to some Clay, medium loose, moist.	ML
						2.0	No Recovery	-
.02	17 12 7 8	2.00	1.8	0	BGD	2.5	Olive gray CLAY, some very fine to coarse Shale fragments, little silt, medium stiff, moist.	CL
						3.8	AA, some Clay, soft, wet. Orange, gray, and yellow mottling.	CL
						4.0	No Recovery	-
.03	4 5 8 9	2.00	1.8	0	BGD	5.8	Dark brown to olive gray CLAY, iron staining , little very fine to fine shale fragments, little silt, soft. moist.	CL
						6.0	No Recovery	-
.04	9 20 14 35	2.00	2.0	0	BGD	6.5	Light brown to Olive gray CLAY, little Silt, trace very fine Shale fragments, soft, moist, little saturated zones.	CL
						7.1	AA, little coarse weathered shale fragments, soft, moist.	CL
						7.4	Olive gray with yellowish orange mottled CLAY, little Silt, little very fine Sand, trace fine Shale fragments, soft, saturated.	CL
						7.9	AA, moist, little saturated zones throughout.	CL
						8.0	Gray fractured, weathered SHALE, loose, saturated.	-
.05	36 34 100/.3	1.30	1.3	0	BGD	8.3	Olive gray CLAY and SILT, some fine to coarse Shale fragments, soft, saturated.	CL
						9.3	Gray fractured and weathered SHALE, trace Silt, loose, saturated.	-
							No Recovery	
							BORING TERMINATED AT 9.4'	

NOTES: Bottom of overburden at 8.3'. No samples were collected for chemical analysis.

PARSONS
ENGINEERING-SCIENCE, INC.

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING MW71-1

PROJECT: **SEVEN LOW PRIORITY AOCs**
PROJECT NO: **720518-01000**
PROJECT LOCATION: **SENECA ARMY DEPOT, ROMULUS NY**

GROUND SURFACE ELEVATION: 747.1
INSPECTOR: **FO,KK,MB**
CHECKED BY: **FO**

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	Macro Lithology	DESCRIPTION	USCS
								AUGER REFUSAL	

NOTES: Bottom of overburden at 8.3'. No samples were collected for chemical analysis.

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UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING MW71-1

LOG OF BORING NO. MW71-2

PROJECT:	SEVEN LOW PRIORITY AOCs	DEPTH TO WATER (ft):	2.0
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	BORING LOCATION (N/E):	999309.2 750986.4
ASSOCIATED UNIT/AREA:	SEAD-71	REFERENCE COORDINATE SYSTEM:	New York State Plane
PROJECT NO:	720518-01000	GROUND SURFACE ELEVATION (ft):	747.3
DATE STARTED:	03/22/94	DATUM:	NAD 1983
DATE COMPLETED:	03/22/94	INSPECTOR:	KK,MB
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	CHECKED BY:	FO
DRILLING METHOD:	HOLLOW STEM AUGER		
SAMPLING METHOD:	3" SPLIT SPOONS		

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	38 15 10 8	2.00	1.2	0	BGD	0.3	Gravel, Asphalt, loose, saturated.	-
						0.5	Medium to coarse gray SHALE fragments, little olive gray Silt, loose, saturated.	GM
						1.2	Gray-brown CLAY, some fine to coarse gray shale fragments, stiff, moist, some mottling.	CL
						2.0	No Recovery	-
.02	6 7 8 8	2.00	1.4	0	BGD	2.3	Fine to coarse SHALE and Gravel fragments and very fine Shale fragments, little Silt, loose, saturated.	GM
						2.7	Gray-green CLAY, trace fine to medium Shale fragments and Gravel, stiff, wet to saturated, some mottling.	CL
						2.9	AA, medium stiff to soft.	CL
						3.4	AA, little Silt, trace(-) organic, medium stiff.	CL
						4.0	No Recovery	-
.03	3 4 7 5	2.00	1.3	0	BGD	4.3	Olive gray CLAY, some Silt, some very fine to medium gray Shale fragments, loose, saturated.	CL
						5.3	Olive gray CLAY, some Silt, little fine to medium gray Shale fragments, trace very fine Sand, soft, saturated.	CL
						6.0	No Recovery	-
.04	3 100/.3	0.60	0.6	0	BGD	6.3	Olive gray to light brown SILT and very fine SAND, little(-) Clay, little(-) fine Sand, little(-) fine to medium gray Shale fragments and Gravel, very soft, saturated.	ML
						6.5	Gray, finely laminated, fractured, weathered SHALE, loose, moist from 6.3'-6.4" dry from 6.4'-6.5'	-
							Gray weathered and fractured SHALE, loose, dry.	-

BORING TERMINATED AT 6.8'
AUGER REFUSAL

NOTES: Bottom of overburden at 6.3'. No samples were collected for chemical analysis.

PARSONS
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UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING MW71-2

LOG OF BORING NO. MW71-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
ASSOCIATED UNIT/AREA: SEAD-71
PROJECT NO: 720518-01000
DATE STARTED: 03/22/94
DATE COMPLETED: 03/22/94
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
SAMPLING METHOD: 3" SPLIT SPOONS

DEPTH TO WATER (ft): 4.5
BORING LOCATION (N/E): 999229.9 750868.8
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 744.5
DATUM: NAD 1983
INSPECTOR: KK
CHECKED BY: FO

This log is part of the report prepared by Engineering-Science, Inc. for the named project and should be read together with that report for complete interpretation. This summary applies only at the location of this boring and at the time of drilling. Subsurface conditions may differ at other locations.

Sample Number	Blow Counts (# Blows per 6")	Sample Advance (ft)	Sample Recovery (ft)	VOC Screen-PID (ppm)	Rad Screen (cps)	Depth (ft)	DESCRIPTION	USCS
.01	2 3 5 5	2.00	1.3	0	BGD	0.2	Dark brown SILT, little very fine gray Shale fragments, little organic, soft, saturated.	ML
						0.5	AA, medium stiff, wet.	ML
						0.6	Gray SHALE COBBLE	-
						1.3	Brown SILT, little Clay, trace very fine Shale fragments, medium stiff, moist.	ML
						2.0	No Recovery	-
.02	5 7 7 9	2.00	1.7	0	BGD	2.4	Light brown SILT, little very fine Sand, trace Clay, trace fine Gravel and gray Shale fragments, medium stiff.	ML
						2.8	Light brown SILT, some very fine little(-) fine Gravel and gray Shale fragments, trace fine Sand, trace Clay, trace organic, medium stiff, moist.	ML
						3.2	Light brown SILT, little Clay, trace fine gray Shale fragments and fine Gravel, trace organic, trace iron staining, medium stiff, moist.	ML
						3.7	Light brown SILT, little Clay, trace very fine Sand, trace organic, trace iron staining, moist.	ML
						4.0	No Recovery	-
.03	7 40 100/.2	1.20	1.2	0	BGD	4.5	Light brown SILT and gray CLAY with iron staining, trace fine gray shale fragments and Gravel, trace organic, stiff, wet to saturated.	ML
						4.7	AA, Gray fractured + weathered Shale fragments, medium stiff, moist.	GM-GC
						5.2	Gray fractured + weathered SHALE fragments, little Clay and Silt, loose, moist to saturated.	GM-GC
							No Recovery	-

BORING TERMINATED AT 6.5'
AUGER REFUSAL

NOTES: Bottom of overburden at 4.7'. No samples were collected for chemical analysis.

PARSONS
ENGINEERING-SCIENCE, INC.

UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

LOG OF BORING MW71-3

Test Pit Logs

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP62-1

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/12/94
COMPLETION DATE: 6/12/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
5'	3'	3'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1115 Am / 6/12/94
VICTOREEN-190	PANCAKE	10-15 μR/Hr	1115 Am / 6/12/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
1	Øppm BKGD	TP62-1-1	0"-6"		Top Soil Sampled @ 1130 Am	Concrete slab @ Surface: 9'5" L x 4'6" W x 10' H ; 14' Diam. Hole in Center; yellow paint on under side of slab.
2	Øppm BKGD				1' 0" Olive Gray Silt with Some Light Gray Silt and Few shale clasts	
3						
4					3' 0" Bottom of pit	
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP62-1

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP62-2

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/12/94
COMPLETION DATE: 6/12/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
11'	3'	4'2"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1215 pm / 6/12/94
VICTOREEN-190	pancake	10-15 µR/Hr	1215 pm / 6/12/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				Top Soil	
1–2	Øppm BKGD				8" Light Brown SILT	
3–4	Øppm BKGD	TP62-2-1	2'8" to 3'4"		2'2" Light Gray SilT with Shale CLASTS	SAmpled @ 1230 pm
5					4'2" BoTTom of PiT Olive gray SilT with Shale Clasts	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP62-2

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP62-3

PROJECT:	15 SWMU ESI
LOCATION:	ROMULUS, NY
JOB NUMBER:	720518
EST. GROUND ELEV.	
INSPECTOR:	JWC/ABS
CONTRACTOR:	ES/ESI
START DATE:	6/12/94
COMPLETION DATE:	6/12/94
CHECKED BY:	
DATE CHECKED:	

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
19'	3'	6'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1435pm / 6/12/94
VICTOREEN-190	pancake	10-15 μR/Hr	1435pm / 6/12/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
1	Øppm/ BKGD				Top Soil	
2–4	Øppm/ BKGD	TP62-3-1	2'-2.5'		1' 1" Light Brown SilT with Red oxide STaining	Found: 1/2" STeel Rod, 1.5' wide steel strapping, Red Brick, Large Boulders ---------- SAmpled @ 1515pm
5	Øppm/ BKGD				4' 0" Light Gray SilT with Shale Clasts	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP62-3

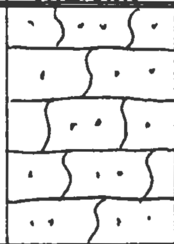
TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP62-3

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/ABS
CONTRACTOR:

SCALE (FT)	VOC./ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
						
					6' weathered Shale with some light Gray silt.	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP62-3

1021

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP63-1

PROJECT: 15 SWMU ESI
LOCATION: Romulus N.Y.

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/25/94
COMPLETION DATE: 6/25/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
20'	4.5'	8'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM 580B	10.0eV	0 ppm	1400h 6/25/94
Victoreen-190	Pancake	10-15 µR/h	1400h 6/25/94
Ludlum 19 µR	NaI	8-13 µR/h	1400h 6/25/94
Ludlum 2221	α Scint.	6 CPM	1400h 6/25/94
Eberline RAP-1	Filter	——	1400h To 1600h 6/25/94

QA/QC DUPLICATE SAMPLE: YES or NO (NO circled)
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS: Visitor: Kamal Gupta.

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	0ppm BKGD				TOPSOIL	
1	0ppm BKGD				2" Shale Gravel	
2	0ppm BKGD				1'0" Olive Gray Silt (one Half) Shale Gravel (one Half)	1' To 2': Half The width of The pit was Shale Gravel. 2' To 8': was miscellaneous
3	0ppm BKGD	TP63-1	3'		2'4" Light Brown Silt (one Half) Shale Gravel (one Half) with	components over 1/2 The width of The pit. Components
4	0ppm BKGD	BASE of This of The pit	1/2		3'4" Miscellaneous Components	Included: Battery Assemblies, Accelerometers, Lock mechanisms, Fire/SAFE pins, BARO switches
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS — TEST PIT #: TP63-1

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP63-1

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/AS
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6						
7						
8						
					8' BASE OF PIT	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP63-1

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP63-2

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 72051
EST. GROUND ELEV.:
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/26/94
COMPLETION DATE: 6/26/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
3'	3'	5' 6"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	0836h / 6/26/94
VICTOREEN-190	PANCAKE	8-12 μR/hr	0836h / 6/26/94
LUDLUM 2221 w/ SCALER	α Scint.	5 cpm	0836h / 6/26/94
LUDLUM 19 μR	γ-NaI	9-12 μR/hr	0836h / 6/26/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	0ppm BKGD				Top Soil	
1	0ppm BKGD				4" Shale gravel	
2	0ppm BKGD	TP63-2	2'		1' 1" Olive Gray SiIT	
3, 4, 5	0ppm BKGD				2' 11" Light Brown SiIT	
					5': ▽ water TABLE	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP63-2

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT:	TEST PIT #TP63-2

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/AS
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6						
					5'6" BASE OF PIT	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP63-2

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP63-3

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/26/94
COMPLETION DATE: 6/26/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
13'	8'	9.2	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	0935h / 6 / 26 / 94
VICTOREEN-190	pancake	10-15 µR/hr	0935h / 6 / 26 / 94
LUDLUM 2221 w/ SCALER	α Scint.	2-5 cpm	0935h / 6 / 26 / 94
LUDLUM 19 µR	γ-NaI	10-15 µR/hr	0935h / 6 / 26 / 94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				Topsoil	
	Øppm BKGD				.3'	
1					Shale GRAVEL with dark Gray SilT.	
2						
3						
4						
	Øppm BKGD	Ø			4.2'	Anomalies:
5					Miscellaneous Components	BATTery Assemblies, accelerometers, Cannon Connectors Lock Mechanisms, etc.

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP63-3

TEST PIT REPORT

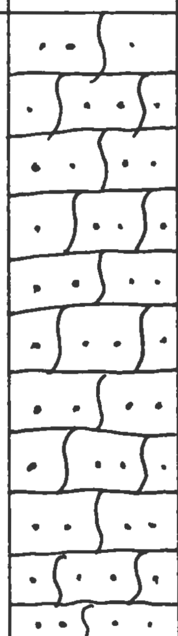
ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP63-3

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:

INSPECTOR: JWC/ABS
CONTRACTOR:

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6					∇ WATER @ 6.0'	
		TP63-3	6.5'			
7	0 ppm BKgD				6.5' Dark Gray SILT with shale clasts	
8						
9						
					9.2' BASE of PIT	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP63-3

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT:	TEST PIT #: TP63-4

PROJECT: 15 SWMU INVESTIGATION
LOCATION: SEAD 63 TEST PIT #4

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/AS
CONTRACTOR: ES
START DATE: 6/26/94
COMPLETION DATE: 6/26/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
12'	3'	6.5'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.6 eV	Ø ppm	1330h 6/26/94
VICTOREEN-190	Gm Probe	8-12 uR/hr	1330h 6/26/94
LUDLUM 2221 w/43-5	α Scint.	1-3 cpm	1330h 6/26/94
LUDLUM micro-R	γ NAI	8-12 uR/hr	1330h 6/26/94
EBERLINE RAP-1	Filter		

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number: N/A
MRD Sample Number: N/A
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				TOPSOIL	0-4"
1	Øppm BKGD				SHALE/GRAVEL LAYER w/DARK SHALE w/ DARK GRAYSILT	Anomalies: Quick Connects, Battery Assm'y, Baroswitch, Lock mechanisms, other.
2						4"-60"
3		TP63-4-1	3'			
4						
5					WATER TABLE @ 5'	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP63-4

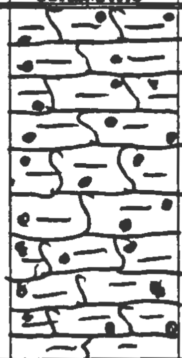
TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-4

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
SAME	AS	ABOVE	

DATE START: 6/26/94
DATE FINISH: 6/26/94
INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6					SHALE/GRAVEL LAYER W/ DARK SHALE W/DARK GRAY SILT BOTTOM OF TEST PIT @ 6'5"	60-77
7						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS — TEST PIT #: TP63-4

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-5

PROJECT: 15 SWMU INVESTIGATION
LOCATION: SEAD 63 TEST PIT #5

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE
START DATE: 6/26/94
COMPLETION DATE: 6/26/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
17'	3'	5'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.6 eV	Ø PPM	6/26/94
VICTOREEN-190	GM-Probe	8-12 uR/hr	6/26/94
LUDLUM 2221 W/43-5	α Scint.	1-3 CPM	6/26/94
LUDLUM MICRO-R	γ NAI	8-12 uR/hr	6/26/94
EBERLINE RAP-1	Filter		6/26/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number: N/A
MRD Sample Number: N/A
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Ø ppm BKGD				TOPSOIL	0-6"
1	Ø ppm BKGD				SHALE/GRAVEL	6"-21"
2	Ø ppm	TP63-5-1	2'			
3	BKGD				OLIVE GRAY SILT	21"-41"
4	Ø ppm BKGD				LIGHT BROWN SILT	41"-53"
5	Ø ppm BKGD				LIGHT BROWN SILT BOTTOM OF TEST PIT @ 5'	53"-60"

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #:

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-6

PROJECT: 15 SWMU INVESTIGATION
LOCATION: SEAD 63

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JNK/AS
CONTRACTOR: ES/EMINE
START DATE: 6/27/94
COMPLETION DATE: 6/27/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

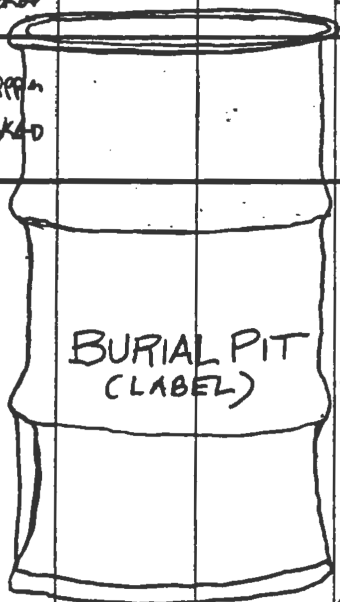
LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
39'	3'	8'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.6 eV	∅ ppm	6/27/94
VICTOREEN-190	GM-Probe	8-12 µR/hr	6/27/94
LUDLUM 2221 w/43-5	α SCINT.	1-3 CPM	6/27/94
LUDLUM micro-R	γ NAI	8-12 µR/hr	6/27/94
EBERLINE RAP-1	filter		6/27/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number: N/A
MRD Sample Number: N/A
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	∅ ppm BKGD				TOPSOIL	0"-4"
1	∅ ppm BKGD				LIGHT BROWN SILT (very stiff) SHALE DEPOSITS	4"-12"
2					LIGHT GRAY SILT	12"-45"
3	∅ ppm BKGD	TP63-6-1	3'			
4	∅ ppm BKGD				OLIVE GRAY SILT	45"-60"
5						



SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP63-6

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-6

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
SAME AS ABOVE			

DATE START: 6/27/94
DATE FINISH: 6/27/94
INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE

SCALE (FT)	VOC./ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6						
					OLIVE GRAY SILT	60"-92"
7						
8					BOTTOM OF TEST PIT #6	92"-96"
9						
10						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP63-6

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-7

PROJECT: 15 SWMU INVESTIGATION
LOCATION: SEAD 63 TEST PIT #7

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE
START DATE: 6/27/94
COMPLETION DATE: 6/27/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
11'	10'	8'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.6 eV	∅ ppm	6/27/94 (1120)
VICTOREEN-190	6m-Probe	8-12 μR/hr	6/27/94 (1120)
LUDLUM 2221 w/ 43-5	α SCINT.	1-3 cpm	6/27/94 (1120)
LUDLUM MKRO-R	γ NAI	8-12 μR/hr	6/27/94 (1120)
EBERLINE RAP-1	filter		6/27/94 (1120)

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number: N/A
MRD Sample Number: N/A
QA/QC Rinsate Sample Number: N/A
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	∅ ppm BKGD				TOPSOIL	0-4"
1	∅ ppm BKGD				LIGHT GRAY GRAVEL & SILT	4"-15"
2	∅ ppm BKGD	TP63-7-1	1.5'		LIGHT BROWN SILT	*WIRING, QUICK CONNECTS, CRUSHED DRUM 15"-31"
3 / 4 / 5	∅ ppm BKGD				OLIVE GRAY SILT w/ SHALE DEPOSITS	31"-60"

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP63-7

TEST PIT REPORT

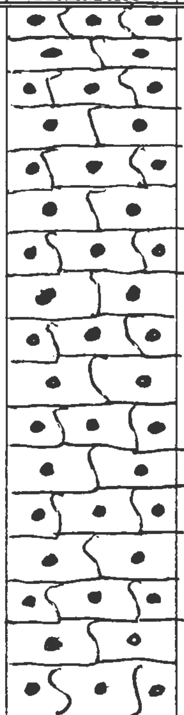
ENGINEERING-SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-7

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
SAME AS ABOVE			

DATE START: 6/27/94
DATE FINISH: 6/27/94

INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE

SCALE (FT)	VOC./ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6					OLIVE GRAY SILT w/SHALE DEPOSITS	60"-96"
7						
8					BOTTOM OF TEST PIT #7	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP63-7

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-8

PROJECT: 15 SWMU INVESTIGATION
LOCATION: SEAD 63 TEST PIT #8

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPE
START DATE: 6/27/94
COMPLETION DATE: 6/27/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
13'3"	3'	5'3"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.6 eV	∅ ppm	6/27/94 (1350)
VICTOREEN-190	GM-PROBE	8-12 μR/hr	6/27/94 (1350)
LUDLUM 2221 w/43-5	α SCINT.	1-3 cpm	6/27/94 (1350)
LUDLUM MICRO-R	γ NAI	8-12 μR/hr	6/27/94 (1350)
EBERLINE RAP-1	filter		6/27/94 (1350)

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number: N/A
MRD Sample Number: N/A

QA/QC Rinsate Sample Number: N/A

COMMENTS:

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
1	∅ppm BKGD				SHALE/GRAVEL	0-12"
2	∅ppm BKGD	TP63-8-1	1.5'		Yellow-ORANGE SILT	12"-24"
3	∅ppm BKGD				LIGHT BROWN SILT	24"-36"
4	∅ppm BKGD				OLIVE GRAY SILT w/SHALE DEPOSITS	36"-60"
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS — TEST PIT #: TP63-8

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-8

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
SAME AS ABOVE			

DATE START: 6/27/94
DATE FINISH: 6/27/94

INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
					WATER TABLE ▽ @ 5'3"	
					BOTTOM OF TEST PIT #8	
6						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP63-8

TEST PIT REPORT

ENGINEERING–SCIENCE, INC. | CLIENT: SEAD | TEST PIT #: TP63-9

PROJECT: 15 SWMU INVESTIGATION
LOCATION: SEAD 63 TEST PIT #9

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE
START DATE: 6/27/94
COMPLETION DATE: 6/27/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
14.5'	3'	8'2"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.6 eV	Ø ppm	6/27/94 (1455)
VICTOREEN 190	GM-PROBE	8-12 uR/hr	6/27/94 (1455)
LUDLUM 2221 w/A3-5	α SCINT.	1-3 CPM	6/27/94 (1455)
LUDLUM MICRO-R	γ NAI	8-12 uR/hr	6/27/94 (1455)
EBERLINE RAP-1	filter		6/27/94 (1455)

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number: N/A
MRD Sample Number: N/A

QA/QC Rinsate Sample Number: N/A

COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
1	Øppm BKGD				SHALE/GRAVEL	0-12"
2	Øppm BKGD				LIGHT BROWN SILT w/SOME GRAVEL	12"-23"
	Øppm BKGD	TP63-9	2.5'		OLIVE GRAY SILT	23"-32" BASE OF FILL
3	Øppm BKGD				LIGHT BROWN SILT (W/ORGANIC MATTER 32"-34")	32"-36"
	Øppm BKGD				DARK GRAY SILT	36"-45"
4	Øppm BKGD				OLIVE GRAY SILT (w/SHALE DEPOSITS)	45"-60"
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP63-9

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-9

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
SAME AS ABOVE			

DATE START: 6/27/94
DATE FINISH: 6/27/94

INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6					WATER TABLE @ 6'	
					OLIVE GRAY SILT w/SHALE DEPOSITS	45-98"
7						
8					BOTTOM OF TEST PIT @ 8'2"	
9						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP63-9

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-10

PROJECT: 15 SWMU INVESTIGATION
LOCATION: SEAD 63 TEST PIT #10

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE
START DATE: 6/28/94
COMPLETION DATE: 6/28/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION / SHORING METHOD
12'	3'	5'4"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.6 eV	Ø ppm	6/28/94 (0840)
VICTOREEN-190	GM-Probe	8-12 µR/hr	6/28/94 (0840)
LUDLUM 2221 w/43-5	α SCINT.	1-3 cpm	6/28/94 (0840)
LUDLUM MK60-R	γ NAI	8-12 µR/hr	6/28/94 (0840)
EBERLINE RAP-1	filter		6/28/94 (0840)

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number: N/A
MRD Sample Number: N/A
QA/QC Rinsate Sample Number: N/A
COMMENTS:

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm				TOPSOIL / PEAT MOSS	0-1"
1	Øppm BKGD; Øppm BKGD				SHALE/GRAVEL w/SILT	1"-12"
2, 3	Øppm BKGD	TP63-10	1.5'		LIGHT BROWN SILT	12"-44"
4, 5	Øppm BKGD				OLIVE GRAY SILT	44"-60"

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP63-10

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: TP63-10

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
SAME AS ABOVE			

DATE START: 6/28/94
DATE FINISH: 6/28/94
INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
					OLIVE GRAY SILT	60"-64"
					BOTTOM OF TEST PIT @ 64"	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP63-10

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP63-11

PROJECT: 15 SWMU ESI	JOB NUMBER: 72051
LOCATION: ROMULUS, NY	EST. GROUND ELEV.
	INSPECTOR: JWC/ABS
	CONTRACTOR: ES/ESI
	START DATE: 6/28/94
	COMPLETION DATE: 6/28/94
	CHECKED BY:
	DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION / SHORING METHOD
14'	5' 8"	7' 3"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	∅ PPM	0906 h / 6/28/94
VICTOREEN-190	pancake	10-15 μR/hr	0906 h / 6/28/94
LUDLUM 2221 w/ SCALER	α Scint.	3-5 CPM	0906 h / 6/28/94
LUDLUM 19 μR	γ-NaI	10-15 μR/hr	0906 h / 6/28/94

QA/QC DUPLICATE SAMPLE: YES or NO (circled: NO)

Duplicate Sample Number:

MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	∅ppm BKGD				Top Soil	
1, 2	∅ppm BKGD				4" OLive GrAY SiLT and Shale GrAvel with Few miscellaneous components	miscellaneous components included: Accelerometers, BARO switchs, BAttery Assemblies, Lock mechanisms.
3	∅ppm BKGD	TP63-11	3'		2' 4" DARK GrAY Fine Shale GrAvel with miscellaneous components	
4	∅ppm BKGD				3'10" DARK OLIVE GrAY SiLT with Few Shale CLASTS	
	∅ppm BKGD				4'4" Light Brown SiLT	
5	∅ppm BKGD				4'9" OLive Gray SiLT	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS — TEST PIT #: TP63-11

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP63-11

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:

INSPECTOR: JWC/AS
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6						
7						
					7' 3" BASE OF PIT	
8						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP63-11

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP63-12
PROJECT: 15 SWMU ESI		JOB NUMBER: 72051
LOCATION: ROMULUS, NY		EST. GROUND ELEV.
		INSPECTOR: JWC/ABS

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
			BACKHOE

CONTRACTOR: ES/ESI
START DATE: 6/28/94
COMPLETION DATE: 6/28/94
CHECKED BY:
DATE CHECKED:

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1040h / 6/28/94
VICTOREEN-190	pancake	9-15 μR/hr	1040h / 6/28/94
LUDLUM 2221 w/ SCALER	α Scint.	1-3 CPM	1040h / 6/28/94
LUDLUM 19 μR	γ-NaI	9-15 μR/hr	1040h / 6/28/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				TopSoil	
	Øppm BKGD				2" DARK Gray Shale Gravel	
1, 2	Øppm BKGD				7" Olive Gray SilT with Few shale clasTs	
3, 4	Øppm BKGD				2' 8" Olive Gray Silt with Few Shale Deposits	
5		TP63-12	5'			

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP63-12

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT:	TEST PIT #: TP63-12

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/ABS
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
					BASE OF PIT 5' 4"	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP63-12

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP64A1

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/8/94
COMPLETION DATE: 6/8/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
20'5"	2'10"	5'6"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1545pm / 6/8/94
VICTOREEN-190	PANCAKE	10-15 μR/Hr	1545pm / 6/8/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm				Top Soil	
1, 2, 3	Øppm BKGD				3" DARK GRAY SILT with Shale CLASTS and Fill Debris	Objects Found: AN canisters (~12" Diam x 14" Long); Rail Ties; 6'L x 12" Diam Culvert; metal Lattice
4, 5	Øppm BKGD				3' 3" Olive Gray SILT with Few Shale Clasts	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP64A-1

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT:	TEST PIT #: TP64A-1

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/ABS
CONTRACTOR:

SCALE (FT)	VOC./ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
					5'6" BASE of PIT weathered Shale with Olive gray silt	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS — TEST PIT #: TP64A-1

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: 64A-2

PROJECT: SEAD 64A 15 SWMU Investigations
LOCATION: TEST PIT #2

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/AS
CONTRACTOR: ES/EMPIRE
START DATE: 6/9/94
COMPLETION DATE: 6/9/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
18' L	2.5' W	6'6" D	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0ev	∅ ppm	
VICTOREEN-190		BGDD	

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
					Top Soil	
6"	∅ ppm				LT. gray Silt and Shale clasts (1"-3"); Large (3'x3') ~~Concrete~~ Reinforced Concrete slabs. Also present were lenses of dark gray silt.	
1						
2					same as above with Asphalt pieces	
2'10" Base of Fill					Olive Gray Silt	
3	∅ ppm					
4						
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #:

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #:

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:

INSPECTOR:
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6						
Bottom of pit						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #:

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: SEAD	TEST PIT #: 64A-3

PROJECT: SEAD 15 SWMU INVESTIGATIONS
LOCATION: TEST PIT #3 TP64A-3

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JNC/AS
CONTRACTOR: ES/EMPIRE
START DATE: 6/9/94
COMPLETION DATE: 6/9/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
25'	2.5'	6.0'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	0ppm	-8			Top Soil	
8"						
1	0ppm				Light Brown SILT, some shale clasts, with: culvert, asphalt, constantine wire, panelling, car seat, Hot wheels car	
2						
2'8"					BASE OF FILL	
3	0ppm				Olive Gray SILT, some shale clasts	
4						
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #:

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #:

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:

DATE FINISH:

INSPECTOR:

CONTRACTOR:

SCALE (FT)	VOC./ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
					Bottom of Hole 6'	
6.0'						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #:

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP64B-1

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/11/94
COMPLETION DATE: 6/11/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
12'	4'7"	6'2"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1530h / 6 / 11 / 94
VICTOREEN-190	pancake	10-15 μR/Hr	1530h / 6 / 11 / 94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				TOPSOIL	
1	Øppm BKGD				6" FILL LAYER of Light Brown SILT with Shale Clasts	
2, 3	Øppm BKGD				1'10" Yellow Orange SILT	
4, 5	Øppm BKGD				3'0" Olive Gray SILT with Shale Clasts	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP64B-1

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP64B-1

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/AS
CONTRACTOR:

SCALE (FT)	VOC./ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6						
	0ppm BKGD				6'0" HIGHLY WEATHERED SHALE	
					6'2" BASE OF PIT	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP64B-2

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/11/94
COMPLETION DATE: 6/11/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
12'	3'	10'2"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1610h / 6/11/94
VICTOREEN-190	pancake	10-15 µR/Hr	1610h / 6/11/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				TOPSOIL	
1	Øppm BKGD				FILL LAYER of Light Brown SILT	Steel CABLE @ 1'0"
2						
3						
4						
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT:	TEST PIT #: TP6 4B-2

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/AS
CONTRACTOR:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6 7	Øppm BKGD				MUNICIPAL TRASH TRASH BAGS, GLASS Bottles, CANS, etc...	
8 9 10	Øppm BKGD				7' 5" WATER TABLE OLIVE GRAY SILT/ CLAY	
					10' 2" BASE OF PIT	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: 64B-2

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP64B-3

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/12/94
COMPLETION DATE: 6/12/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
29'	4'	7'10"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	0845h / 6/12/94
VICTOREEN-190	pancake	10-15 µR/Hr	0845h / 6/12/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm				TOPSOIL	
	BKGD				2" FILL LAYER with Shale Clasts	
1						Anomaly: 18" STRAND OF ConSTAnTine wiRE
	Øppm BKGD					
2						
3						
4						
	Øppm BKGD				4'2" Light Gray SILT with Shale Clasts	
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP64B-3

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: 64B-3

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:

INSPECTOR:
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	0ppm BKGD				DARK ORGANIC PEAT	
6 7	0ppm BKGD				5' 8" OLIVE GRAY SILT	
8					7' 10" BASE OF PIT	

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP64C-1

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/9/94
COMPLETION DATE: 6/9/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION / SHORING METHOD
47'	3'	4'	BACKHOE

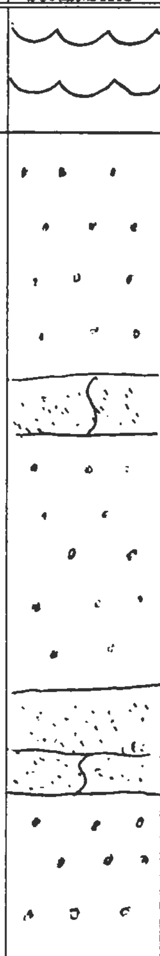
MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1100h / 6/9/94
VICTOREEN-190	pancake	10-15 μR/Hr	1100h / 6/9/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	0ppm BKGD				TOPSOIL	
1	0ppm BKGD				6" OLIVE GRAY SILT with Light Brown very Fine SAND with shale clasts.	Thin (~8 gauge) wire
2		TP64C-1-1	2.5'			
3		TP64C-1-2	3'			
4						
5					4' BASE OF PIT weathered SHALE LAYER	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP64C-1

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP 64C-2

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/9/94
COMPLETION DATE: 6/9/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
37'	3'	3'10"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1430h / 6/9/94
VICTOREEN-190	PANCAKE	10-15 μR/Hr	1430h / 6/9/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				TopSoil	
1	Øppm BKGD				6" Light Grey SILT with Shale Clasts	
2 3	Øppm BKGD	TP64C-1-1 TP64C-1-2	2' 2'		1' 8" OLive Gray SILT with Large Limestone Boulders (20"-36") and Some Light Brown/Yellow Orange Very Fine SAND	
4 5					3' 10" BASE OF PIT	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP64C-2

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP64C-3

PROJECT: 15 SWMU ESI	JOB NUMBER: 720518
LOCATION: ROMULUS, NY	EST. GROUND ELEV.
	INSPECTOR: JWC/ABS
	CONTRACTOR: ES/ESI
	START DATE: 6/ /94
	COMPLETION DATE: 6/ /94
	CHECKED BY:
	DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION / SHORING METHOD
12'	3'	3' 10"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1530h / 6/9/94
VICTOREEN-190	pancake	10-15 μR/Hr	1530h / 6/9/94

QA/QC DUPLICATE SAMPLE: YES or NO

Duplicate Sample Number:

MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				Top Soil	STEEL CABLE with
1	Øppm BKGD				7" Light Gray SILT and YEllow ORANGE SILT with Shale Clast	Ceramic LINK (Power CABLE?)
2	Øppm BKGD	TP64C-3-1 TP64C-3-2	2' 2'		1' 8" OLive Gray SILT	
3						
4					3' 10" BASE OF PIT WEATHERED SHALE	
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP64C-3

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP64D-1

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/13/94
COMPLETION DATE: 6/13/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
20'	3'	8'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	0930 am / 6/13/94
VICTOREEN-190	pancake	10-15 μR/Hr	0930 Am / 6/13/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	0 ppm				Top Soil	
1–2	0 ppm BKGD				1" Light Brown SILT (Fill) with Domestic waste	
3–4	3.7 ppm BKGD				2' Little Light Brown SILT (Fill) in Domestic waste	Found: metal cans, Glass, Trash bags (Full), Lamp, Carpet, paint can
5	0 ppm BKGD				4' Light Gray SILT with Shale Clasts	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: 64D-1

TEST PIT REPORT

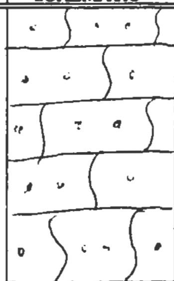
ENGINEERING–SCIENCE, INC.	CLIENT:	TEST PIT #: TP64D-1

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START: 6/13/94
DATE FINISH: 6/13/94

INSPECTOR: JWL/ABS
CONTRACTOR: ES/ESI

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
						
					6'2" Wet Light Gray Silt with Shale Clasts	
					8' Bottom of Pit Same as Above (6'2"-8')	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP64D-2

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/13/94
COMPLETION DATE: 6/13/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
32'	2'3"	4'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	ø PPM	1030 Am / 6/13/94
VICTOREEN-190	pancake	10-15 μR/Hr	1030 Am / 6/13/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
1	øppm BKgD				Topsoil One 15' Long Section of 8 gauge wire found at 2"	
2	øppm BKGD				1'1" Light Brown Silt	
3	øppm BKGD				2'1" Olive Gray Silt w/ Shale Clasts 3" ID; 4" ID Red Clay pipe at 2'3" -- pipe Runs E-W, was DRY and not Back Filled.	
4						
5					4'2" Bottom of PiT Weathered Shale with Some Olive Gray Silt	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP64D-2

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP64D-3

PROJECT: 15 SWMU ESI
LOCATION: Romulus NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/13/94
COMPLETION DATE: 6/13/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
13'	3'	4'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0eV	0 ppm	1145 Am / 6/13/94
Victoreen 190	pancake	10-15 µR/Hr	1145 Am / 6/13/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC./ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
1	0 ppm/ BKGD				Topsoil, Root systems - Debris on Surface: 6" ID clay pipes, metal fencing, Drums, Cans.	
2, 3	0 ppm/ BKGD				1'3" Light Brown Silt	
4	0 ppm/ BKGD				3'0" Olive gray silt with some shale clasts	
5					Bottom of pit: 4'0" Weathered Shale with Some Olive gray silt	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP64D-3

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP67-5

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/ /94
COMPLETION DATE: 6/ /94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
			BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	
VICTOREEN-190	pancake	10-15 μR/Hr	

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Ø ppm BKGD				Top Soil	AsphAlT SlABS (1'-2')
1	Ø ppm BKGD	TP67-5-1	1'-2'		OLive GrAY SilT	AsphAlT SlABS (1'-2')
2						
3	Ø ppm BKGD				2'0" Light Brown and Yellow Orange SilT	
4						
5					BASe of PiT @ 4'0"	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS — TEST PIT #: TP67-5

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP67-4

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/6/94
COMPLETION DATE: 6/6/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
11'	26"	5'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1440 / 6/6/94
VICTOREEN-190	pancake	10-15 μR/Hr	1440 / 6/6/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				Top Soil	
1	Øppm BKGD				3" Olive Gray SilT with Organics	
2		TP67-41	2'-3'			Sampled @ 1640pm
3						
4	Øppm BKGD				3'0" Light Brown and Yellow Orange SilT	
5					BASE OF PIT @ 5'	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP67-4

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP67-3

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/6/94
COMPLETION DATE: 6/6/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
15'	2'10"	3'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1545 pm / 6/6/94
VICTOREEN-190	pancake	10-15 μR/Hr	1545 pm / 6/6/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				Top Soil with Olive gray silt	
	Øppm BKGD				Olive Gray Silt	
1						
2		TP67-3-1	2'-3'			
3	Øppm BKGD				2'11" Light Brown silt w/ some shale	
					3'0" Base of pit	
4						
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP67-3

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP67-2

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/6/94
COMPLETION DATE: 6/6/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
10'	3'	5'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1500 / 6/6/94
VICTOREEN-190	pancake	10-15 μR/Hr	1500 / 6/6/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
0–1	Øppm BKGD				Olive Gray SilT with Some 2"-4" Coarse Gravel shale	
2		TP67-2-1	2'-3'			SAmpled at 1515pm
3						
	Øppm BKGD				3' 0" Light GrAY SilT	
4						
5					BASE OF PiT @ 5'0"	▽

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP67-2

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP67-1

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.:
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/6/94
COMPLETION DATE: 6/6/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
7'	3.5'	4'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1415 p.m. / 6/6/94
VICTOREEN-190	PANCAKE	10-15 μR/Hr	1415 p.m. / 6/6/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
0–2.8	Øppm BKGD	TP67-1-1	2'-3'		Yellow Orange SilT with 2"–4" coarse gravel shale	Anomalies: 6"x5" Ceramic Bricks; Sampled @ ~1440
2.8–4	Øppm BKGD				2' 10" Light Brown SilT with few shale clasts	
4–5					4' 0" Base of piT	

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP69-X3

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720519
EST. GROUND ELEV.:
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/10/94
COMPLETION DATE: 6/10/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
12'	8'	3'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	0845 Am / 6/10/94
VICTOREEN-190	PANCAKE	10-15 μR/Hr	0845 Am / 6/10/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm/BKGD				Top Soil w/ Light Brown SILT	
1	Øppm/BKGD				8" Olive Gray SILT and Fill debris	I-Beam Posts with Bases; Chain Link Fence
2					1'5"	WATER collected in pIT
3						
4					BASE OF PIT Excavation discontinued due To water in pIT	
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP69-X3

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP69-2

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720519
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/10/94
COMPLETION DATE: 6/10/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
			BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	0815 am / 6/10/94
VICTOREEN-190	pancake	10-15 μR/Hr	0815 am / 6/10/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD	8			Top Soil	
1 2	Øppm BKGD				6" Yellow Orange and Light Gray SilT with Fill Debris	Construction Debris: SheetRock, Cement Blocks, Steel Pipe
3 4 5	Øppm BKGD				2' Light Gray SilT with shale clASTS	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #:

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP69-X2

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:

INSPECTOR: JWC/ABS
CONTRACTOR:

SCALE (FT)	VOC./ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
					5'5"	
					BASE of PiT	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT #: TP69-X2

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP69-31

PROJECT:	15 SWMU ESI	JOB NUMBER:	720519
LOCATION:	Romulus New York	EST. GROUND ELEV.	
		INSPECTOR:	JWG/ABS
		CONTRACTOR:	ES/ESI
		START DATE:	6-10-94
		COMPLETION DATE:	6-10-94
		CHECKED BY:	
		DATE CHECKED:	

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
11'	5'	5'0"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM 580B	10.0 eV	0 ppm	0900 / 6-10-94
Victoreen 190	pancake	BKGD	0900 / 6-10-94

QA/QC DUPLICATE SAMPLE: YES or NO

Duplicate Sample Number:

MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS: Pipe Direction Towards BLDG 606

SCALE (FT)	VOC./RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
0–1	0 ppm				Topsoil with Barbed wire	
1–3	0 ppm				Light gray silt with Little shale clasts ~6" OD vitreous Pipe	
3–5	0 ppm				Olive Gray silt with Some Shale Clasts	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #:

TEST PIT REPORT

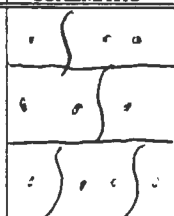
ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP69-3 1

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:

INSPECTOR:
CONTRACTOR:

SCALE (FT)	VOC./ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
						
					BASE OF PIT @ 5'10"	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #:

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP70-1

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/10/94
COMPLETION DATE: 6/10/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
14.5'	4'	6'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1300h 6/10/94
VICTOREEN-190	pancake	10-15 µR/Hr	1300h 6/10/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm				TOPSOIL	
	BKGD				1" Light Brown and Olive gray SILT w/ shale clasts	
1 – 3	Øppm BKGD				4" FILL LAYER WITH VERY LARGE LIMESTONE Boulders and gRAVEL (Fine)	
4	Øppm BKGD				3' 7" DARK GRAY ORGANIC (DECAYING) LAYER	
5	Øppm BKGD				4' 7" Light BROWN / Yellow ORAnge Very Fine SAND	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP70-1

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP70-1

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/AS
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6						
					6'0" BASE OF PIT	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP70-2

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/10/94
COMPLETION DATE: 6/10/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
12'	2.5'	6'	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1335h 6/10/94
VICTOREEN-190	pancake	10-15 μR/Hr	1335h 6/10/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm				TOP SOIL	
	BKGD				1" FILL LAYER LIGHT BROWN SILT WITH LARGE Limestone Cobles	
1	Øppm BKGD					
2						
3	Øppm BKGD				2'5" ORGANICS + dark Gray SILT w/ Some Clay	
4	Øppm BKGD				3'6" LIGT GRAY SILT WITH Clay	
5						

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP70-2

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/AS
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6						
					6'0" BASE OF PIT	

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP70-3

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/10/94
COMPLETION DATE: 6/10/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
12'	2.5	5' 8"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1400h 6/10/94
VICTOREEN-190	PANCAKE	10-15 μR/Hr	1400h 6/10/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm				TOPSOIL	
	BKGD				2" FILL LAYER with very LARGE Limestone Boulders and Fine gravel with Light Brown SILT	
1	Øppm BKGD					
2						
3						
4	Øppm BKGD				3' 7" DARK GRAY SILT/CLAY	
5	Øppm BKGD				4' 6" Light GRAY SILT/CLAY	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP70-3

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP 70-3

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/ DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/AS
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
6					5' 8" BASE OF PIT	

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP71-2

PROJECT: 15 SWMU ESI
LOCATION: ROMULUS, NY

JOB NUMBER: 720518
EST. GROUND ELEV.
INSPECTOR: JWC/ABS
CONTRACTOR: ES/ESI
START DATE: 6/7/94
COMPLETION DATE: 6/7/94
CHECKED BY:
DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
9'	3'	5' 8"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	1540am / 6/7/94
VICTOREEN-190	pancake	10-15 μR/Hr	1540am / 6/7/94

QA/QC DUPLICATE SAMPLE: YES or NO
Duplicate Sample Number:
MRD Sample Number:
QA/QC Rinsate Sample Number:
COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				Top Soil	
1	Øppm BKGD	TP71-2-1	1'		3" STAined SiIT (DArk gray) and Fine Shale GrAvel	SAmpled @ 1545 pm
	Øppm BKGD	TP71-2-2	2'		1'0" Olive GrAY SiIT	SAmpled @ 1550 pm
2		TP71-2-4	2'			SAmpled @ 1615 pm
3	Øppm BKGD	TP71-2-3	3'		2'0" Light Brown SiIT	SAmpled @ 1605 pm
4	Øppm BKGD				3'4" Olive GrAY SiIT wiTh Shale ClAsTs	
5						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP71-2

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP71-2

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/ABS
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
					5' 8" Weathered SHALE BASE of PIT	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS TEST PIT #: TP71-2

TEST PIT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	TEST PIT #: TP71-1

PROJECT: 15 SWMU ESI	JOB NUMBER: 720518
LOCATION: ROMULUS, NY	EST. GROUND ELEV.
	INSPECTOR: JWC/ABS
	CONTRACTOR: ES/ESI
	START DATE: 6/7/94
	COMPLETION DATE: 6/7/94
	CHECKED BY:
	DATE CHECKED:

TEST PIT DATA

LENGTH	WIDTH	DEPTH	EXCAVATION/SHORING METHOD
15'	6'	5'6"	BACKHOE

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE
OVM-580B	10.0 eV	Ø PPM	
VICTOREEN-190	pancake	10-15 µR/Hr	

QA/QC DUPLICATE SAMPLE: YES or NO

Duplicate Sample Number:

MRD Sample Number:

QA/QC Rinsate Sample Number:

COMMENTS:

SCALE (FT)	VOC/RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
	Øppm BKGD				Top Soil	
1	Øppm BKGD				8" Silt in Construction Debris	chain Link Fence, sheet metal, 20 gallon Drum, Asphalt slabs
2	Øppm BKGD	TP71-1-1	2'		16" Light Angular Black Fine Debris (Creosote Appearance)	Sampled @ 1350 pm Crushed Drums
3	Øppm BKGD	TP71-1-2	3'		20" Olive Gray Silt with Few shale clasts	Sampled @ 1405 pm
4		TP71-1-3	3'			Sampled @ 1410 pm
5	Øppm BKGD	TP71-1-4	4'		4'0" Olive Gray silt and Coarse shale gravel	Sampled @ 1420 pm

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   TEST PIT #: TP71-1

TEST PIT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	TEST PIT #: TP71-1

MONITORING DATA

INSTRUMENT	DETECTOR	BACKGROUND	TIME/DATE

DATE START:
DATE FINISH:
INSPECTOR: JWC/ABS
CONTRACTOR:

SCALE (FT)	VOC/ RAD.	SAMPLE NUMBER	SAMPLE DEPTH RANGE	STRATA SCHEMATIC	DESCRIPTION OF MATERIALS (BURMEISTER METHODOLOGY)	REMARKS
					5'6" ▽ BASE OF PIT Weathered Shale	

APPENDIX C

MONITORING WELL INSTALLATION DIAGRAMS

COMPLETION REPORT OF WELL No. MW60-1

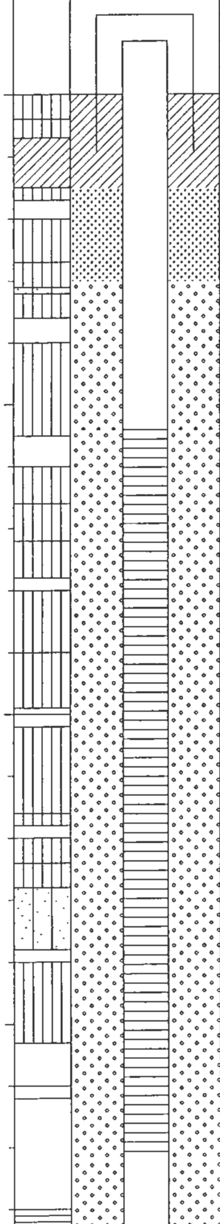
PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	986468.8 751766.4
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	746.3
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	03/23/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	03/23/94	CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log) / DEPTH (ft)

0
ML
ML
CL
ML
-
ML
ML
SM
ML
-
ML
5
-
ML
ML
ML
-
ML
ML
10
-
ML
ML
-
ML
ML
SM
-
ML
15
-
-
-
18.3
-
-
-

SYMBOL / WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	746.3
1.5	TBS	744.8
3.0	TSP	743.3
5.4	TSC	740.9
17.2	BSC	729.1
18.3	POW	728.0

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 9, 2

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE
Interval: 1.5

SANDPACK
Type: #1, #3
Interval: 15.3 #1: .4' #3: 14.9'

WELL DEVELOPMENT DATA
Date: 4/1/94
Method: BAIL/PUMP
Duration: 2 DAYS
Rate: 2.1 L/MIN

WATER LEVELS

Date	Time	Depth,TR
3/31	1605	2.88
4/1	0945	4.20

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.01	8.5	900	.88

LEGEND
SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

PARSONS
ENGINEERING-SCIENCE, INC.

UNITED STATES ARMY CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

COMPLETION REPORT OF WELL No. MW60-1

COMPLETION REPORT OF WELL No. MW60-2

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	986579.5 751519.3
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	744.1
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	03/22/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	03/22/94	CHECKED BY:	FO

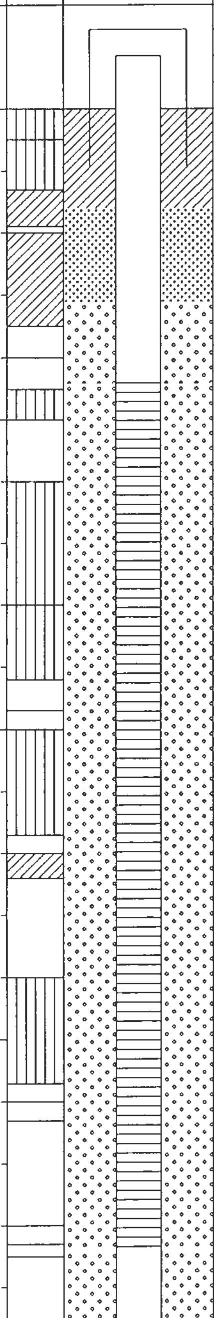
STRATA

MICRO DESCRIPTION (from boring log) | DEPTH (ft)

ML, ML, CL, -, CL, -, -, ML, -, ML, ML, -, -, ML, -, CL, -, ML, -, -, -, -, -, -

Depth marks: 0, 5, 10, 15, 19.6

SYMBOL | WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	744.1
1.6	TBS	742.5
3.1	TSP	741.0
4.4	TSC	739.7
18.4	BSC	725.7
19.6	POW	724.5

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: **4**
Type: **RISER**
Interval: **3.5**

RISER
Diameter: **2**
Type: **SCH. 40-PVC**
Interval: **5.45**

SCREEN
Diameter: **2**
Type: **SCH. 40-PVC/0.010**
Interval: **9, 4**

SURFACE SEAL
Type: **CEMENT**
Interval: **1.6**

GROUT
Type: **N/A**
Interval: **N/A**

SEAL
Type: **BENTONITE**
Interval: **1.5**

SANDPACK
Type: **#1, #3**
Interval: **16.3** #1: 0.5' #3: 15.8'

WELL DEVELOPMENT DATA
Date: **3/31/94**
Method: **BAIL/PUMP**
Duration: **2 DAYS**
Rate: **2.1 L/MIN**

WATER LEVELS

Date	Time	Depth,TR
3/30	1625	3.51
3/31	1451	4.80

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.32	8.0	625	3.40

LEGEND
SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

COMPLETION REPORT OF WELL No. MW60-3

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	986469.1 751467.0
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	743.3
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	03/02/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	03/02/94	CHECKED BY:	FO

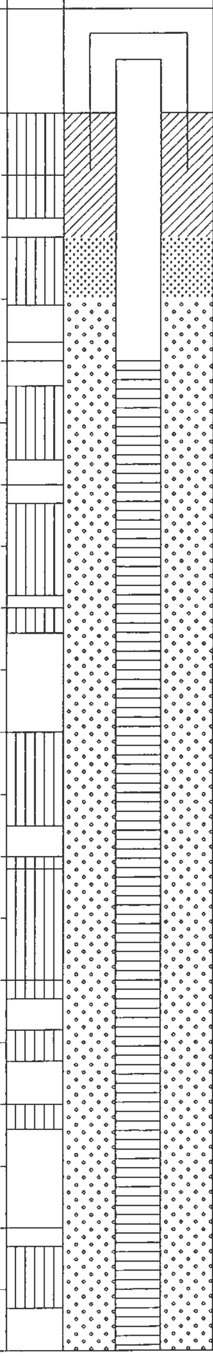
STRATA

MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS | DEPTH (ft) | | ELEVATION (ft)

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	743.3
2.0	TBS	741.3
3.0	TSP	740.3
4.0	TSC	739.3

Strata depths: 0, 5, 10, 15, 20.0

ML
ML
ML
-
-
ML
-
ML
ML
-
ML
-
ML
ML
ML
ML
-
ML
-
ML
-
ML
-



WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5.1

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 9, 9

SURFACE SEAL
Type: CEMENT
Interval: 2

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3
Interval: 21 #1: 0.5' #3: 20.5

WELL DEVELOPMENT DATA
Date: 3/5/94
Method: BAIL
Duration: 95 MIN
Rate: 2.1 L/MIN
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
3/5	1000	2.48
3/5	1205	5.00

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.26	9.5	650	4.19

LEGEND

SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

PARSONS
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UNITED STATES ARMY CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

COMPLETION REPORT OF WELL No. MW60-3

COMPLETION REPORT OF WELL No. MW60-3

PROJECT: **SEVEN LOW PRIORITY AOCs**
PROJECT NO: **720518-01000**
PROJECT LOCATION: **SENECA ARMY DEPOT, ROMULUS NY**

GROUND SURFACE ELEVATION (ft): **743.3**
GEOLOGIST: **F. O'LOUGHLIN**
CHECKED BY: **FO**

STRATA MICRO DESCRIPTION (from boring log)	DEPTH (ft)	SYMBOL	WELL DETAILS	DEPTH (ft)		ELEVATION (ft)
	20					
				23.0	BSC	720.3
	24.1			24.0	POW	719.3

WELL CONSTRUCTION DETAILS

(See Page 1)

LEGEND

SURFACE SEAL	GRAVEL
GROUT	SAND
SEAL	SILT
SANDPACK	CLAY
	NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

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Seneca Army Depot
Romulus, New York

COMPLETION REPORT OF
WELL No. MW60-3

COMPLETION REPORT OF WELL No. MW62-1

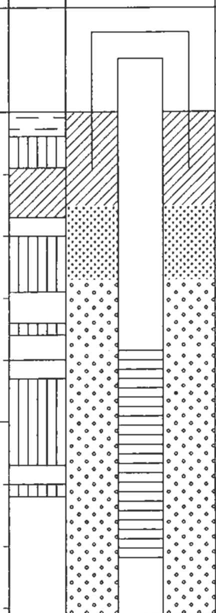
PROJECT: **SEVEN LOW PRIORITY AOCs**
PROJECT LOCATION: **SENECA ARMY DEPOT, ROMULUS NY**
DRILLING CONTRACTOR: **EMPIRE SOILS INVESTIGATIONS**
DRILLING METHOD: **HOLLOW STEM AUGER**
WELL INSTALLATION STARTED: **03/28/94**
WELL INSTALLATION COMPLETED: **03/28/94**

WELL LOCATION (N/E): **986972.2 753046.3**
REFERENCE COORDINATE SYSTEM: **New York State Plane**
GROUND SURFACE ELEVATION (ft): **751.3**
DATUM: **NAD 1983**
GEOLOGIST: **F. O'LOUGHLIN**
CHECKED BY: **FO**

STRATA

MICRO DESCRIPTION (from boring log)	DEPTH (ft)
OL	0
ML	
CL	
-	
ML	
-	
ML	
-	
-	
ML	5
-	
ML	
-	8.1

SYMBOL / WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	751.3
1.5	TBS	749.8
2.7	TSP	748.6
3.9	TSC	747.4
7.3	BSC	744.0
8.1	POW	743.2

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: **4**
Type: **RISER**
Interval: **3.5**

RISER
Diameter: **2**
Type: **SCH. 40-PVC**
Interval: **5**

SCREEN
Diameter: **2**
Type: **SCH. 40-PVC/0.010**
Interval: **2, .8**

SURFACE SEAL
Type: **CEMENT**
Interval: **1.5**

GROUT
Type: **N/A**
Interval: **N/A**

SEAL
Type: **BENTONITE PELLETS**
Interval: **1.2**

SANDPACK
Type: **#1, #3**
Interval: **5.3** #1: 0.5'#3: 4.9'

WELL DEVELOPMENT DATA
Date: **6/28/94**
Method: **BAIL/PUMP**
Duration: **8 DAYS**
Rate: **.1 L/MIN**

WATER LEVELS

Date	Time	Depth,TR
6/21	1640	2.34
6/25	0820	6.68
6/28	1130	8.41

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.65	16.4	800	30

LEGEND

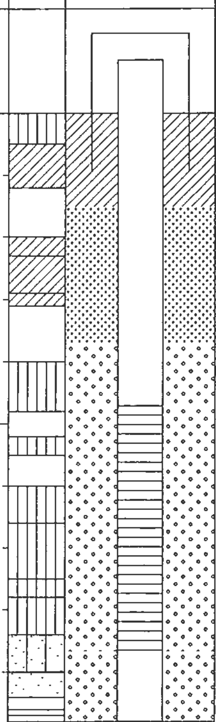
SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

COMPLETION REPORT OF WELL No. MW62-2

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	986879.4 752433.9
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	747.5
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	06/27/94	GEOLOGIST:	K. KELLY
WELL INSTALLATION COMPLETED:	06/27/94	CHECKED BY:	FO

STRATA — MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS | DEPTH (ft) | ELEVATION (ft)



Micro description
ML
CL
-
CL
CL
CL
-
ML
-
ML
-
ML
ML
ML
ML
SM
SP
- 9.8
-

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	747.5
1.5	TBS	746.0
3.7	TSP	743.8
4.7	TSC	742.8
8.7	BSC	738.9
9.8	POW	737.7

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5.75

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 3.96

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3
Interval: 6.1 #1: .5' #3: 5.6'

WELL DEVELOPMENT DATA
Date: 7/18/94
Method: BAIL/PUMP
Duration: 14 DAYS
Rate: .226 L/MIN
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
7/5	1530	1.9
7/6	1105	8.7
7/13	0930	8.5

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.44	14.5	600	27

LEGEND

SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

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UNITED STATES ARMY CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

COMPLETION REPORT OF WELL No. MW62-2

COMPLETION REPORT OF WELL No. MW62-3

PROJECT: **SEVEN LOW PRIORITY AOCs**
PROJECT LOCATION: **SENECA ARMY DEPOT, ROMULUS NY**
DRILLING CONTRACTOR: **EMPIRE SOILS INVESTIGATIONS**
DRILLING METHOD: **HOLLOW STEM AUGER**
WELL INSTALLATION STARTED: **06/27/94**
WELL INSTALLATION COMPLETED: **06/28/94**

WELL LOCATION (N/E): **986348.3 752362.3**
REFERENCE COORDINATE SYSTEM: **New York State Plane**
GROUND SURFACE ELEVATION (ft): **747.9**
DATUM: **NAD 1983**
GEOLOGIST: **K. KELLY**
CHECKED BY: **FO**

STRATA

MICRO DESCRIPTION (from boring log) / DEPTH (ft) / SYMBOL / WELL DETAILS

DEPTH (ft)	MICRO DESCRIPTION
0	ML
	CL
	-
	CL
	ML
	ML
	-
	ML
	ML
5	SM
	-
	-
	ML
	-
	SM
	ML
10	SM
	-
	-
	SM
	-
	SP
	GM
	-
	ML
15	-
	-
	-
	-
18.3	-
	-

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	747.9
1.5	TBS	746.4
4.5	TSP	743.4
5.4	TSC	742.5
17.1	BSC	730.8
18.0	POW	729.9

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: **4**
Type: **RISER**
Interval: **3.5**

RISER
Diameter: **2**
Type: **SCH. 40-PVC**
Interval:

SCREEN
Diameter: **2**
Type: **SCH. 40-PVC/0.010**
Interval: **8.95, 1.95**

SURFACE SEAL
Type: **CEMENT**
Interval: **1.5**

GROUT
Type: **N/A**
Interval: **N/A**

SEAL
Type: **BENTONITE PELLETS**
Interval: **1**

SANDPACK
Type: **#1, #3** #1: .5' #3: 12.95'
Interval: **13**

WELL DEVELOPMENT DATA
Date: **7/12/94**
Method: **BAIL/PUMP**
Duration: **7 DAYS**
Rate: **.1767 L/MIN**

WATER LEVELS

Date	Time	Depth, TR
7/6	1130	3.28
7/12	1535	11.5

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.16	10.6	510	20

LEGEND
SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

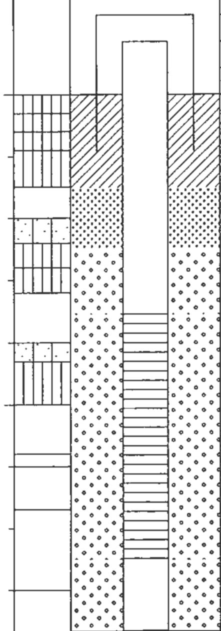
COMPLETION REPORT OF WELL No. MW63-1

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	1013124.1 741608.4
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	638.3
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	06/13/94	GEOLOGIST:	K. KELLY
WELL INSTALLATION COMPLETED:	06/13/94	CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log)	DEPTH (ft)
	0
ML	
ML	
ML	
ML	
-	
SM	
ML	
ML	
-	
SM	
ML	
	5
-	
-	
-	
-	
	8.7

SYMBOL / WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	638.3
1.5	TBS	636.8
2.5	TSP	635.8
3.6	TSC	634.7
7.5	BSC	630.8
8.7	POW	629.6

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 4.65

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 3.95

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3 #1: .5' #3: 5.65'
Interval: 6.15

WELL DEVELOPMENT DATA
Date: 6/27/94
Method: BAIL/PUMP
Duration: 2 DAYS
Rate: .220 L/MIN

WATER LEVELS

Date	Time	Depth,TR
6/26	1615	5.98
6/27	1255	8.40

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.19	12.6	390	16

LEGEND
SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

COMPLETION REPORT OF WELL No. MW63-2

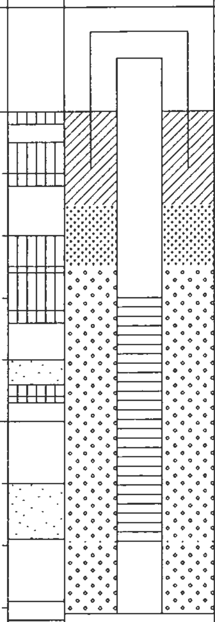
PROJECT:	SEVEN LOW PRIORITY AOCs
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD:	HOLLOW STEM AUGER
WELL INSTALLATION STARTED:	06/14/94
WELL INSTALLATION COMPLETED:	06/14/94

WELL LOCATION (N/E):	1012979.9 741136.2
REFERENCE COORDINATE SYSTEM:	New York State Plane
GROUND SURFACE ELEVATION (ft):	630.9
DATUM:	NAD 1983
GEOLOGIST:	K. KELLY
CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS

MICRO DESCRIPTION	DEPTH (ft)
ML	0
-	
ML	
ML	
-	
ML	
ML	
ML	
ML	
-	
SP	
ML	
ML	5
-	
SP	
-	
-	8.2



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	630.9
1.5	TBS	629.4
2.5	TSP	628.4
3.0	TSC	627.9
7.0	BSC	623.9
8.1	POW	622.8

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 4.05

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 3.95

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3
Interval: 5.7 #1: .3" #3: 5.4'

WELL DEVELOPMENT DATA
Date: 6/26/94
Method: BAIL/PUMP
Duration: 2 DAYS
Rate: .893 L/MIN

WATER LEVELS

Date	Time	Depth,TR
6/25	1450	2.98
6/26	1410	8.20

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.02	15.4	600	10

LEGEND

SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

PARSONS
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CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

COMPLETION REPORT OF
WELL No. MW63-2

COMPLETION REPORT OF WELL No. MW63-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
WELL INSTALLATION STARTED: 06/14/94
WELL INSTALLATION COMPLETED: 06/14/94

WELL LOCATION (N/E): 1013181.9 741130.1
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 631.8
DATUM: NAD 1983
GEOLOGIST: K. KELLY
CHECKED BY: FO

STRATA MICRO DESCRIPTION (from boring log)	DEPTH (ft)
ML	0
GM	
ML	
ML	
CL	
SP	
SM	
-	
SP	
SP	5
-	
SM	
-	
-	
-	8.3

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	631.8
1.5	TBS	630.3
2.5	TSP	629.3
3.0	TSC	628.8
7.0	BSC	624.8
8.1	POW	623.7

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 4.05

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 3.95

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3 #1: .4' #3: 5.4'
Interval: 5.8

WELL DEVELOPMENT DATA
Date: 6/27/94
Method: BAIL/PUMP
Duration: 2 DAYS
Rate: .526 L/MIN
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
6/26	1330	4.15
6/26	1610	6.40
6/27	0945	3.42

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
6.89	16.1	2000	20

LEGEND
SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

PARSONS
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Seneca Army Depot
Romulus, New York

COMPLETION REPORT OF WELL No. MW63-3

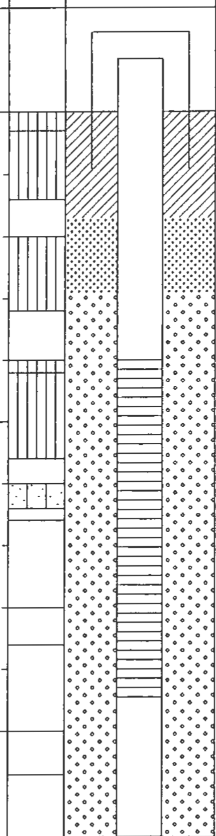
COMPLETION REPORT OF WELL No. MW64A-1

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	992409.1 750892.2
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	745.8
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	04/02/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	04/02/94	CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log)	DEPTH (ft)
ML	0
ML	
-	
ML	
-	
ML	
ML	5
-	
SM	
-	
-	
-	
-	
-	10
	10.7

SYMBOL / WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	745.8
1.7	TBS	744.1
2.9	TSP	742.9
4.0	TSC	741.8
9.6	BSC	736.2
11.7	POW	734.1

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 5, 1

SURFACE SEAL
Type: CEMENT
Interval: 1.7

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1.2

SANDPACK
Type: #1, #3
Interval: 7.8 #1: .5' #3: 8.5'

WELL DEVELOPMENT DATA
Date: 7/10/94
Method: BAIL/PUMP
Duration: 48 DAYS
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
5/23	1045	10.86
5/24	0725	11.71
7/9	1400	10.50

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.07	13.8	460	3.6

LEGEND

SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

COMPLETION REPORT OF WELL No. MW64A-1A

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	992205.5 750789.3
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	744.5
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	03/31/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	03/31/94	CHECKED BY:	FO

STRATA — MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS

MICRO DESCRIPTION	DEPTH (ft)
	0
ML	
ML	
-	
CL	
ML	
-	
ML	
	5
-	
ML	
-	
-	
-	
	10
-	
-	
-	
	12.3
-	
-	

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	744.5
1.5	TBS	743.0
3.0	TSP	741.5
4.1	TSC	740.4
10.9	BSC	733.6
12.0	POW	732.5

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 4, 2

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1.5

SANDPACK
Type: #1, #3
Interval: 9 #1: .6' #3: 7.2'

WELL DEVELOPMENT DATA
Date:
Method:
Duration:
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)

LEGEND

SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

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COMPLETION REPORT OF WELL No. MW64A-1A

COMPLETION REPORT OF WELL No. MW64A-2

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
WELL INSTALLATION STARTED: 04/01/94
WELL INSTALLATION COMPLETED: 04/01/94

WELL LOCATION (N/E): 992447.6 750496.9
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 739.2
DATUM: NAD 1983
GEOLOGIST: F. O'LOUGHLIN
CHECKED BY: FO

STRATA MICRO DESCRIPTION (from boring log)	DEPTH (ft)	DEPTH (ft)		ELEVATION (ft)
			TPC	
			TR	
			TC	
	0	0.0	GS	739.2
ML				
-		1.5	TBS	737.7
ML		2.7	TSP	736.5
ML		3.7	TSC	735.6
-				
ML				
ML	5			
-				
-				
-		7.1	BSC	732.1
-				
	8.2	8.0	POW	731.2
-				

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 1, 3

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE CHIPS
Interval: 1.2

SANDPACK
Type: #1, #3 #1: .5' #3: 4.8'
Interval: 5.3

WELL DEVELOPMENT DATA
Date: 7/19/94
Method: BAIL/PUMP
Duration: 57 DAYS
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
5/23	1330	7.42
7/10	1630	7.22
7/19	1520	9.40

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
6.78	18.9	1000	33

LEGEND
SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

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COMPLETION REPORT OF
WELL No. MW64A-2

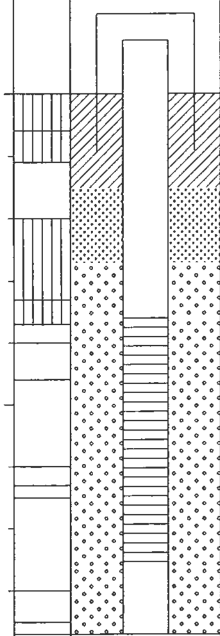
COMPLETION REPORT OF WELL No. MW64A-3

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	992302.2 750529.2
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	737.8
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	04/01/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	04/01/94	CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log)	DEPTH (ft)
	0
ML	
ML	
-	
ML	
ML	
-	
-	
-	5
-	
-	
-	
-	8.7
-	

SYMBOL / WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	737.8
1.5	TBS	736.3
2.7	TSP	735.1
3.6	TSC	734.2
7.6	BSC	730.2
8.7	POW	729.1

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: **4**
Type: **RISER**
Interval: **3.5**

RISER
Diameter: **2**
Type: **SCH. 40-PVC**
Interval: **5**

SCREEN
Diameter: **2**
Type: **SCH. 40-PVC/0.010**
Interval: **4**

SURFACE SEAL
Type: **CEMENT**
Interval: **1.5**

GROUT
Type: **N/A**
Interval: **N/A**

SEAL
Type: **BENTONITE CHIPS**
Interval: **1.2**

SANDPACK
Type: **#1, #3**
Interval: **6** #1: .45' #3: 5.55'

WELL DEVELOPMENT DATA
Date: **5/23/94**
Method: **BAIL/PUMP**
Duration: **120 MIN**
Rate: **.400 L/MIN**

WATER LEVELS

Date	Time	Depth,TR
5/23	1350	6.59
5/23	1610	7.03

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.09	10.9	460	3.24

LEGEND

SURFACE SEAL	GRAVEL	TPC	TOP OF PROTECTIVE CASING
GROUT	SAND	TR	TOP OF WELL RISER
SEAL	SILT	GS	GROUND SURFACE
SANDPACK	CLAY	TBS	TOP BENTONITE SEAL
	NO RECOVERY	TSP	TOP OF SANDPACK
		TSC	TOP OF SCREEN
		BSC	BOTTOM OF SCREEN
		TD	TOTAL DEPTH
		POW	POINT OF WELL

COMPLETION REPORT OF WELL No. MW64B-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
WELL INSTALLATION STARTED: 05/13/94
WELL INSTALLATION COMPLETED: 05/14/94

WELL LOCATION (N/E): 985851.5 748724.3
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 705.9
DATUM: NAD 1983
GEOLOGIST: F. O'LOUGHLIN
CHECKED BY: FO

STRATA MICRO DESCRIPTION (from boring log)	DEPTH (ft)
ML	0
CL	
CL	
-	
ML	
	5
ML	
ML	
CL	
SM	
ML	
SM	10
ML	
ML	
ML	
ML	
-	
-	
-	15
	16.0

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	705.9
1.5	TBS	704.4
3.0	TSP	702.9
4.1	TSC	701.8
14.8	BSC	691.1
15.7	POW	690.2

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 9, .8

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1.5

SANDPACK
Type: #1, #3 #1: .5' #3: 12.2'
Interval: 12.7

WELL DEVELOPMENT DATA
Date: 5/24/94
Method: BAIL/PUMP
Duration: 180 MIN
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
5/24	0935	3.29
5/24	1210	4.64

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.00	9.7	680	49.3

LEGEND

SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

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COMPLETION REPORT OF WELL No. MW64B-1

COMPLETION REPORT OF WELL No. MW64B-2

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	985864.1 748302.3
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	702.2
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	05/14/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	05/15/94	CHECKED BY:	FO

STRATA — MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS

ML, ML, ML, SM, CL, ML, ML, ML, ML, ML, ML, ML, ML, ML

Depth: 0, 5, 10, 14.0

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	702.2
1.5	TBS	700.7
2.5	TSP	699.7
3.9	TSC	698.4
12.9	BSC	689.4
14.0	POW	688.3

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 9

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3
Interval: 11.45 #1: .5' #3: 10.95'

WELL DEVELOPMENT DATA
Date: 5/24/94
Method: BAIL/PUMP
Duration: 102 MIN
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
5/24	1505	4.23
5/24	1630	5.56

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.09	9.6	590	38.7

LEGEND
SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

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COMPLETION REPORT OF WELL No. MW64B-2

COMPLETION REPORT OF WELL No. MW64B-3

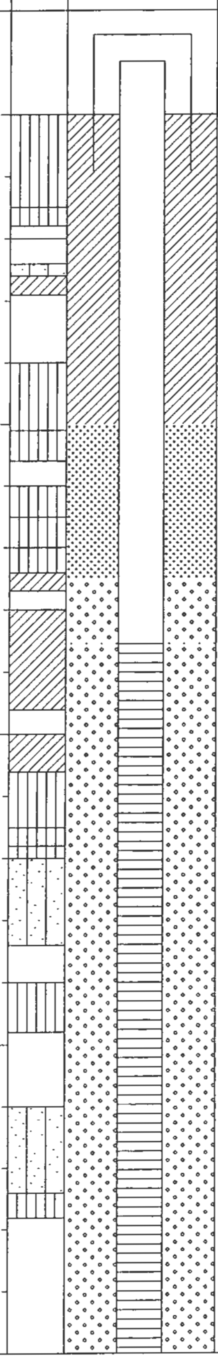
PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	986003.6 748385.3
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	709.2
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	05/12/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	05/13/94	CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS

ML
ML
-
-
SM
CL
-
ML
ML
-
ML
ML
ML
CL
-
CL
-
CL
ML
ML
ML
SM
-
ML
-
SM
ML
-

Depth (ft): 0, 5, 10, 15, 20.0



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	709.2
5.0	TBS	704.2
7.5	TSP	701.7
8.6	TSC	700.6

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: **4**
Type: **RISER**
Interval: **3.5**

RISER
Diameter: **2**
Type: **SCH. 40-PVC**
Interval: **10**

SCREEN
Diameter: **2**
Type: **SCH. 40-PVC/0.010**
Interval: **2, 9, 4**

SURFACE SEAL
Type: **CEMENT**
Interval: **1.5**

GROUT
Type: **BENTONITE/CEMENT**
Interval: **3.5**

SEAL
Type: **BENTONITE PELLETS**
Interval: **2.5**

SANDPACK
Type: **#1, #3** #1: .5' #3: 18.2'
Interval: **18.7**

WELL DEVELOPMENT DATA
Date: **5/25/94**
Method: **BAIL/PUMP**
Duration: **205 MIN**
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
5/25	0905	12.55
5/25	1145	15.89

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
6.80	9.0	870	1.68

LEGEND

SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

COMPLETION REPORT OF WELL No. MW64B-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT NO: 720518-01000
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY

GROUND SURFACE ELEVATION (ft): 709.2
GEOLOGIST: F. O'LOUGHLIN
CHECKED BY: FO

STRATA MICRO DESCRIPTION (from boring log)	DEPTH (ft)	SYMBOL	WELL DETAILS	DEPTH (ft)		ELEVATION (ft)	WELL CONSTRUCTION DETAILS
							(See Page 1)
ML	20						
ML							
	25			25.4	BSC	683.8	
	26.2			26.2	POW	683.0	

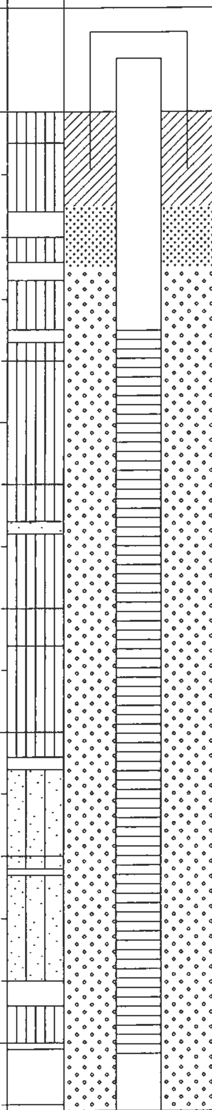
LEGEND

SURFACE SEAL	GRAVEL	TPC TOP OF PROTECTIVE CASING
GROUT	SAND	TR TOP OF WELL RISER
SEAL	SILT	GS GROUND SURFACE
SANDPACK	CLAY	TBS TOP BENTONITE SEAL
	NO RECOVERY	TSP TOP OF SANDPACK
		TSC TOP OF SCREEN
		BSC BOTTOM OF SCREEN
		TD TOTAL DEPTH
		POW POINT OF WELL

COMPLETION REPORT OF WELL No. MW64C-1

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	984365.9 753991.2
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	764.2
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	05/16/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	05/16/94	CHECKED BY:	FO

STRATA — MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS | DEPTH (ft) | ELEVATION (ft)



Strata (micro description, top to bottom): ML, ML, -, ML, -, ML, -, ML, ML, ML, SP, ML, ML, ML, ML, -, SM, SM, -, SM, -, ML, -, -, -

Depth scale: 0, 5, 10, 15, 16.1

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	764.2
1.5	TBS	762.7
2.5	TSP	761.7
3.5	TSC	760.7
15.3	BSC	748.9
16.1	POW	748.1

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 1.95, 9

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3 #1: 2.5 #3: 13.1
Interval: 15.6

WELL DEVELOPMENT DATA
Date: 6/24/94
Method: BAIL/PUMP
Duration: 2 DAYS
Rate: .750 L/MIN

WATER LEVELS

Date	Time	Depth,TR
6/23	1600	5.21
6/24	1230	11.4

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.58	9.8	590	30

LEGEND

SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

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COMPLETION REPORT OF WELL No. MW64C-1

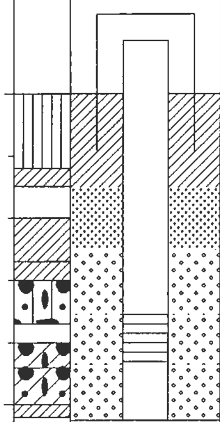
COMPLETION REPORT OF WELL No. MW64D-1

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	993059.7 741523.1
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	666.6
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	03/28/94	GEOLOGIST:	K.KELLY
WELL INSTALLATION COMPLETED:	03/28/94	CHECKED BY:	FO

STRATA — MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS | DEPTH (ft) | | ELEVATION (ft)

ML
CL
-
CL
CL
GM
-
GC
GC
CL
-

0
5.3
5



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	666.6
1.5	TBS	665.1
2.5	TSP	664.1
3.6	TSC	663.1
4.4	BSC	662.3
5.3	POW	661.4

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 4.2

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: .8

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3
Interval: 2.75 #1: .5' #3: 2.25'

WELL DEVELOPMENT DATA
Date: 6/25/94
Method: BAIL/PUMP
Duration: 3 DAYS
Rate: .232 L/MIN
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
6/23	1430	4.71
6/25	1315	5.5

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.45	15.9	700	2.5

LEGEND

SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

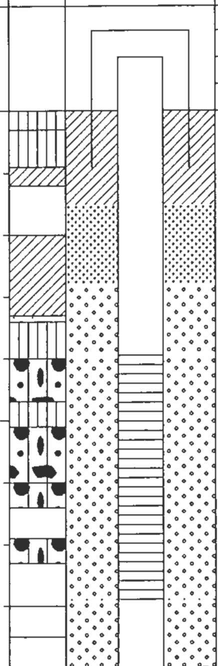
COMPLETION REPORT OF WELL No. MW64D-2

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	993638.6 740197.6
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	633.7
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	06/21/94	GEOLOGIST:	K.KELLY
WELL INSTALLATION COMPLETED:	06/21/94	CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log)	DEPTH (ft)
	0
ML	
ML	
CL	
-	
CL	
SP	
ML	
GM	
ML	5
GM	
GM	
-	
GM	
-	
GM-GC	
-	9.0

SYMBOL / WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	633.7
1.5	TBS	632.2
2.8	TSP	630.9
4.0	TSC	629.8
7.9	BSC	625.8
9.0	POW	624.7

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 3.95

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1.3

SANDPACK
Type: #1, #3
Interval: 6.3 #1: .5' #3: 5.7'

WELL DEVELOPMENT DATA
Date: 6/28/94
Method: BAIL
Duration: 170 MIN
Rate: .720 L/MIN

WATER LEVELS

Date	Time	Depth,TR
6/28	0955	4.05
6/28	1240	4.48

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.2	14	450	2.54

LEGEND

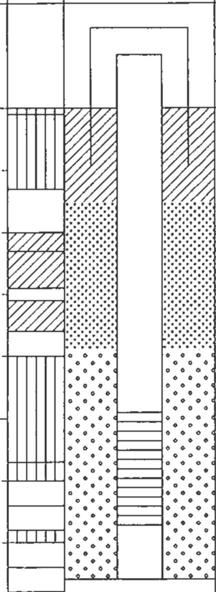
SURFACE SEAL · GROUT · SEAL · SANDPACK · GRAVEL · SAND · SILT · CLAY · NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

COMPLETION REPORT OF WELL No. MW64D-3

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	993017.4 740735.8
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	647.3
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	06/20/94	GEOLOGIST:	K.KELLY
WELL INSTALLATION COMPLETED:	06/20/94	CHECKED BY:	FO

STRATA MICRO DESCRIPTION (from boring log)	DEPTH (ft)	SYMBOL	WELL DETAILS	DEPTH (ft)		ELEVATION (ft)
					TPC	
					TR	
					TC	
	0			0.0	GS	647.3
ML ML				1.5	TBS	645.8
- CL CL - CL - ML				3.9	TSP	643.4
	5			4.9	TSC	642.4
ML GM-GC - ML				6.9	BSC	640.4
- -	7.8			7.6	POW	639.7



WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 6.15

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 1.95

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 2.4

SANDPACK
Type: #1, #3
Interval: 4.2 #1: 0.35' #3: 3.85'

WELL DEVELOPMENT DATA
Date: 6/27/94
Method: BAIL/PUMP
Duration: 110 MIN
Rate: VARIABLE
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
6/27	1445	3.72
6/27	1435	4.90

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.30	13.5	500	12

LEGEND

SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

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COMPLETION REPORT OF
WELL No. MW64D-3

COMPLETION REPORT OF WELL No. MW64D-4

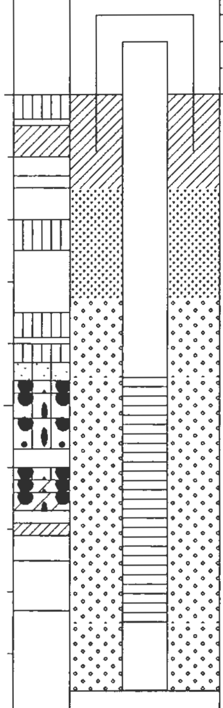
PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	992533.5 741082.2
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	659.7
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	06/20/94	GEOLOGIST:	K.KELLY
WELL INSTALLATION COMPLETED:	06/20/94	CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS | DEPTH (ft) | | ELEVATION (ft)

ML - CL - GM-GC - ML - ML - ML SM GM GM GM - GM GC GC - CL - - -

Depth: 0, 5, 9.9



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	659.7
1.5	TBS	658.2
3.3	TSP	656.5
4.6	TSC	655.2
8.5	BSC	651.2
9.6	POW	650.1

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5.55

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 3.95

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1.75

SANDPACK
Type: #1, #3
Interval: 6.6 #1: 0.65' #3: 5.95'

WELL DEVELOPMENT DATA
Date: 6/27/94
Method: BAIL
Duration: 124 MIN
Rate: .540 L/MIN

WATER LEVELS

Date	Time	Depth,TR
6/27	0900	7.94
6/27	1100	8.42

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.09	12	500	1.41

LEGEND

SURFACE SEAL; GROUT; SEAL; SANDPACK; GRAVEL; SAND; SILT; CLAY; NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

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COMPLETION REPORT OF WELL No. MW64D-4

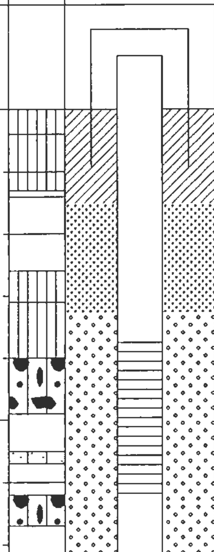
COMPLETION REPORT OF WELL No. MW64D-5

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	991371.4 740724.3
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	651.0
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	06/22/94	GEOLOGIST:	K.KELLY
WELL INSTALLATION COMPLETED:	06/22/94	CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log)	DEPTH (ft)
	0
ML	
ML	
ML	
-	
-	
GM-GC	
ML	
ML	
GM	
	5
-	
SM	
-	
-	
GM	7.2
-	

SYMBOL / WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	651.0
1.5	TBS	649.5
3.3	TSP	647.8
3.8	TSC	647.3
6.3	BSC	644.7
7.2	POW	643.9

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: **4**
Type: **RISER**
Interval: **3.5**

RISER
Diameter: **2**
Type: **SCH. 40-PVC**
Interval: **5.9**

SCREEN
Diameter: **2**
Type: **SCH. 40-PVC/0.010**
Interval: **1.95**

SURFACE SEAL
Type: **CEMENT**
Interval: **1.5**

GROUT
Type: **N/A**
Interval: **N/A**

SEAL
Type: **BENTONITE PELLETS**
Interval: **1.75**

SANDPACK
Type: **#1, #3**
Interval: **3.85** #1: .5' #3: 3.35'

WELL DEVELOPMENT DATA
Date: **7/10/94**
Method: **BAIL/PUMP**
Duration: **10 DAYS**
Rate: **.411 L/MIN**

WATER LEVELS

Date	Time	Depth,TR
6/28	1330	7.26
7/10	1535	6.06
7/10	1635	6.64

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.00	13.3	470	15

LEGEND

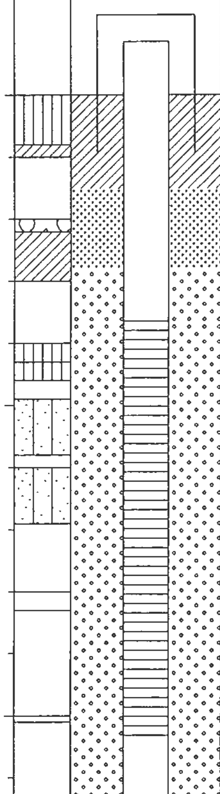
SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

COMPLETION REPORT OF WELL No. MW67-1

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	1002498.4 748911.7
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	696.7
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	03/30/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	03/30/94	CHECKED BY:	FO

STRATA — MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS | DEPTH (ft) | | ELEVATION (ft)



Micro Description	Depth (ft)
ML	0
CL	
-	
GW	
CL	
-	
ML	
ML	
-	5
SM	
-	
SM	
-	
-	
-	
-	10
-	
	11.3

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	696.7
1.5	TBS	695.2
2.8	TSP	693.9
3.7	TSC	693.0
10.5	BSC	686.2
11.3	POW	685.4

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 3.15

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 2, 4

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE CHIPS
Interval: 1.3

SANDPACK
Type: #1, #3
Interval: 8.5 #1: .5' #3: .8'

WELL DEVELOPMENT DATA
Date: 5/13/94
Method: BAIL/PUMP
Duration: 360 MIN
Rate: .5 L/MIN

WATER LEVELS

Date	Time	Depth,TR
5/13	1130	3.93
5/13	1450	

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.51	11	440	1.19

LEGEND

SURFACE SEAL — GRAVEL
GROUT — SAND
SEAL — SILT
SANDPACK — CLAY
NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

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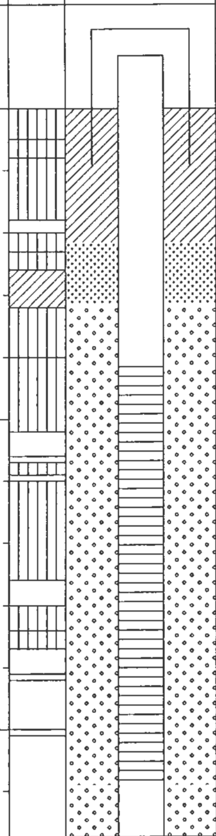
COMPLETION REPORT OF WELL No. MW67-1

COMPLETION REPORT OF WELL No. MW67-2

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	1002256.6 748953.1
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	697.7
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	03/30/94	GEOLOGIST:	K.KELLY
WELL INSTALLATION COMPLETED:	03/30/94	CHECKED BY:	FO

STRATA — MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS | DEPTH (ft) | ELEVATION (ft)



MICRO DESCRIPTION	DEPTH (ft)
	0
ML	
ML	
ML	
-	
ML	
ML	
CL	
ML	
ML	
	5
-	
ML	
ML	
-	
ML	
ML	
-	
-	
-	
	10
-	
-	
	11.8

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	697.7
2.2	TBS	695.5
3.2	TSP	694.5
4.2	TSC	693.5
10.9	BSC	686.8
11.8	POW	685.9

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: **4**
Type: **RISER**
Interval: **3.5**

RISER
Diameter: **2**
Type: **SCH. 40-PVC**
Interval: **4.8**

SCREEN
Diameter: **2**
Type: **SCH. 40-PVC/0.010**
Interval: **4, 1.95**

SURFACE SEAL
Type: **CEMENT**
Interval: **.5**

GROUT
Type: **BENTONITE/CEMENT**
Interval: **1.65**

SEAL
Type: **BENTONITE PELLETS**
Interval: **1**

SANDPACK
Type: **#1, #3**
Interval: **8.6** #1: .5' #3: 8.1'

WELL DEVELOPMENT DATA
Date: **5/14/94**
Method: **BAIL/PUMP**
Duration: **110 MIN**
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
5/14	1025	1.89
5/14	1100	2.21

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.15	9.0	450	28

LEGEND

SURFACE SEAL · GROUT · SEAL · SANDPACK · GRAVEL · SAND · SILT · CLAY · NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

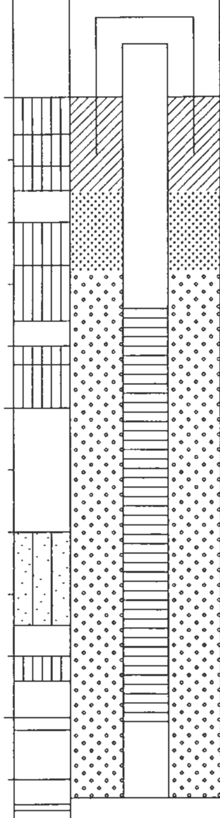
COMPLETION REPORT OF WELL No. MW67-3

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	1002492.2 748794.6
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	695.0
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	03/29/94	GEOLOGIST:	F. O'LOUGHLIN
WELL INSTALLATION COMPLETED:	03/29/94	CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log)	DEPTH (ft)
	0
ML	
ML	
ML	
-	
ML	
ML	
-	
ML	
ML	
	5
-	
SM	
-	
ML	
-	
	10
-	
-	
-	11.5
-	

SYMBOL | WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	695.0
1.5	TBS	693.5
2.8	TSP	692.2
3.4	TSC	691.6
10.2	BSC	684.8
11.3	POW	683.7

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: **4**
Type: **RISER**
Interval: **3.5**

RISER
Diameter: **2**
Type: **SCH. 40-PVC**
Interval: **3.15**

SCREEN
Diameter: **2**
Type: **SCH. 40-PVC/0.010**
Interval: **2, 4**

SURFACE SEAL
Type: **CEMENT**
Interval: **1.5**

GROUT
Type: **N/A**
Interval: **N/A**

SEAL
Type: **BENTONITE CHIPS**
Interval: **1.3**

SANDPACK
Type: **#1, #3**
Interval: **8.5** #1: .5' #3: .8'

WELL DEVELOPMENT DATA
Date: **5/14/94**
Method: **BAIL/PUMP**
Duration: **3 DAYS**
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
5/13	1415	3.70
5/14	1330	3.80

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.14	8.5	370	4.92

LEGEND

SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

COMPLETION REPORT OF WELL No. MW70-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
WELL INSTALLATION STARTED: 05/11/94
WELL INSTALLATION COMPLETED: 05/11/94

WELL LOCATION (N/E): 1007329.9 740889.1
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 636.5
DATUM: NAD 1983
GEOLOGIST: F. O'LOUGHLIN
CHECKED BY: FO

STRATA MICRO DESCRIPTION (from boring log)	DEPTH (ft)	DEPTH (ft)		ELEVATION (ft)
			TPC	
			TR	
			TC	
	0	0.0	GS	636.5
ML				
ML				
ML		1.5	TBS	635.0
-				
CL		2.5	TSP	634.0
ML				
-		3.7	TSC	632.8
ML				
	5			
-				
ML				
ML				
-				
-		9.6	BSC	626.9
-	10			
10.4		10.4	POW	626.1
-				

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5.2

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 4, .9

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3
Interval: 7.95 #1: .8" #3: 7.15"

WELL DEVELOPMENT DATA
Date: 5/17/94
Method: BAIL/PUMP
Duration: 95 MIN
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
5/17	1020	2.51
5/17	1142	4.42

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
6.8	7.8	470	15.3

LEGEND
SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

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Romulus, New York

COMPLETION REPORT OF WELL No. MW70-1

COMPLETION REPORT OF WELL No. MW70-2

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	1007329.8 740555.6
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	635.4
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	04/04/94	GEOLOGIST:	K. KELLY
WELL INSTALLATION COMPLETED:	04/04/94	CHECKED BY:	FO

STRATA

MICRO DESCRIPTION (from boring log)	DEPTH (ft)
	0
GM	
ML	
ML	
-	
CL	
CL	
-	
CL	
ML	5
-	
ML	
-	
ML	
GM-GC	
-	
-	10
-	
-	
	11.6

WELL DETAILS

DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	635.4
1.8	TBS	633.6
3.0	TSP	632.4
4.0	TSC	631.4
10.7	BSC	624.7
11.6	POW	623.8

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5.15

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 3.95, 1.95

SURFACE SEAL
Type: CEMENT
Interval: 1.8

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1.2

SANDPACK
Type: #1, #3
Interval: 8.55 #1: .5' #3: 8.05'

WELL DEVELOPMENT DATA
Date: 5/17/94
Method: BAIL/PUMP
Duration: 105 MIN
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
5/17	1245	2.51
5/17	1412	3.18

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
6.63	9.4	800	3.14

LEGEND

SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

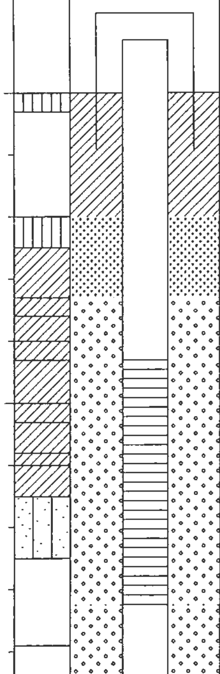
TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

COMPLETION REPORT OF WELL No. MW70-3

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	1007173.3 740552.3
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	636.3
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	04/05/94	GEOLOGIST:	K. KELLY
WELL INSTALLATION COMPLETED:	04/05/94	CHECKED BY:	FO

STRATA — MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS

ML, -, ML, CL, CL, CL, CL, CL, CL, CL, CL, CL, SM, -, - (0 to 9.4 ft; depth marks 0, 5, 9.4)



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	636.3
2.0	TBS	634.3
3.3	TSP	633.0
4.3	TSC	632.0
8.3	BSC	628.0
9.4	POW	626.9

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 5.15

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 3.95

SURFACE SEAL
Type: CEMENT
Interval: 2

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1.3

SANDPACK
Type: #1, #3
Interval: 6.1 #1: .5' #3: 5.6'

WELL DEVELOPMENT DATA
Date: 5/17/94
Method: BAIL/PUMP
Duration: 80 MIN
Rate:
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
5/17	1510	3.07
5/17	1615	4.65

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
6.83	8.6	670	15.6

LEGEND
SURFACE SEAL; GROUT; SEAL; SANDPACK; GRAVEL; SAND; SILT; CLAY; NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

PARSONS
ENGINEERING-SCIENCE, INC.

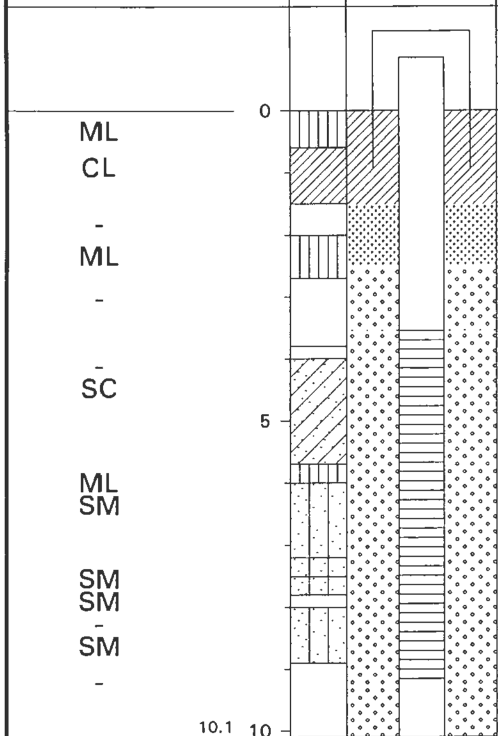
UNITED STATES ARMY CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

COMPLETION REPORT OF WELL No. MW70-3

COMPLETION REPORT OF WELL No. MW70-4

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	1007055.2 740563.3
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	636.3
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	05/11/94	GEOLOGIST:	F. O'LOUHGLIN
WELL INSTALLATION COMPLETED:	05/11/94	CHECKED BY:	FO

STRATA — MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	636.3
1.5	TBS	634.8
2.5	TSP	633.8
3.6	TSC	632.7
9.3	BSC	627.0
10.1	POW	626.2

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 4.25

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 4.9

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3
Interval: 7.6 #1: .55' #3: 7.05'

WELL DEVELOPMENT DATA
Date: 5/23/94
Method: BAIL/PUMP
Duration: 6 DAYS
Rate: .230 L/MIN

WATER LEVELS

Date	Time	Depth,TR
5/18	0825	2.22
5/23	2.42	2.42

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
6.93	10.1	690	3.59

LEGEND

SURFACE SEAL, GROUT, SEAL, SANDPACK, GRAVEL, SAND, SILT, CLAY, NO RECOVERY

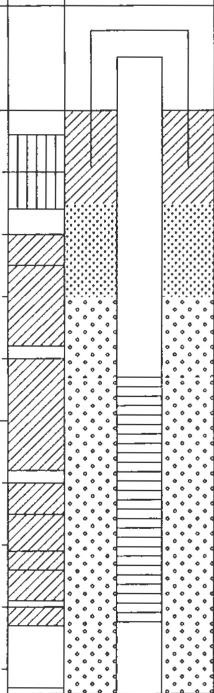
TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

COMPLETION REPORT OF WELL No. MW71-1

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
WELL INSTALLATION STARTED: 03/14/94
WELL INSTALLATION COMPLETED: 03/14/94

WELL LOCATION (N/E): 999297.5 750894.8
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 747.1
DATUM: NAD 1983
GEOLOGIST: F. O'LOUHGLIN
CHECKED BY: FO

STRATA MICRO DESCRIPTION (from boring log)	DEPTH (ft)	SYMBOL	WELL DETAILS	DEPTH (ft)		ELEVATION (ft)
					TPC	
					TR	
					TC	
	0			0.0	GS	747.1
- ML ML				1.5	TBS	745.6
- CL CL				3.0	TSP	744.1
- CL				4.3	TSC	742.8
	5					
- CL CL CL CL						
- CL -				8.3	BSC	738.8
	9.4			9.4	POW	737.7
-						



WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: .7
Type: ROADWAY BOX
Interval: 1

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 3.5

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 4

SURFACE SEAL
Type: CEMENT
Interval: 1.5

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3
Interval: 6.4 #1: .5' #3: 5.9'

WELL DEVELOPMENT DATA
Date: 3/16/94
Method: BAIL
Duration: 85 MIN
Rate: 1.4 L/MIN
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
3/16	1530	14.48
3/16	1716	6.00

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
6.85	5.5	500	22.4

LEGEND
SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

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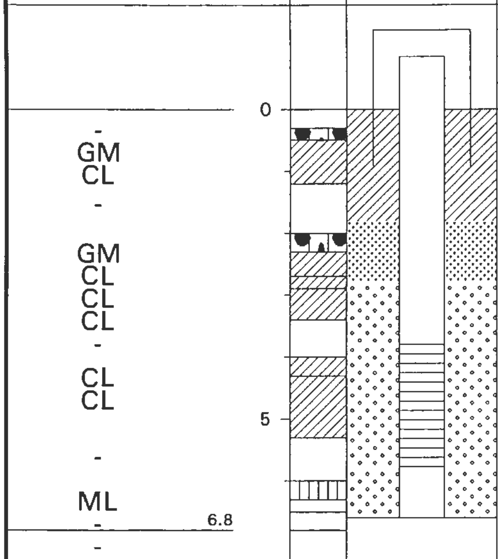
UNITED STATES ARMY
CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

COMPLETION REPORT OF WELL No. MW71-1

COMPLETION REPORT OF WELL No. MW71-2

PROJECT:	SEVEN LOW PRIORITY AOCs	WELL LOCATION (N/E):	999309.2 750986.4
PROJECT LOCATION:	SENECA ARMY DEPOT, ROMULUS NY	REFERENCE COORDINATE SYSTEM:	New York State Plane
DRILLING CONTRACTOR:	EMPIRE SOILS INVESTIGATIONS	GROUND SURFACE ELEVATION (ft):	747.3
DRILLING METHOD:	HOLLOW STEM AUGER	DATUM:	NAD 1983
WELL INSTALLATION STARTED:	03/22/94	GEOLOGIST:	K. KELLY
WELL INSTALLATION COMPLETED:	03/22/94	CHECKED BY:	FO

STRATA — MICRO DESCRIPTION (from boring log) | DEPTH (ft) | SYMBOL | WELL DETAILS



DEPTH (ft)		ELEVATION (ft)
	TPC	
	TR	
	TC	
0.0	GS	747.3
1.8	TBS	745.5
2.8	TSP	744.5
3.8	TSC	743.5
5.8	BSC	741.5
6.6	POW	740.7

WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 8
Type: ROADWAY BOX
Interval: 1

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 3.2

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 2

SURFACE SEAL
Type: CEMENT
Interval: 1

GROUT
Type: BENTONITE/CEMENT
Interval: 1.3

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3
Interval: 3.8 #1: .5' #3: 3.3'

WELL DEVELOPMENT DATA
Date: 4/28/94
Method: BAIL/PUMP
Duration: 24 DAYS
Rate: .333 L/MIN
Final Measurements:

WATER LEVELS

Date	Time	Depth,TR
4/5	1000	4.85
4/28	0845	5.59

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.19	6.8	435	57.6

LEGEND

SURFACE SEAL; GROUT; SEAL; SANDPACK; GRAVEL; SAND; SILT; CLAY; NO RECOVERY

TPC	TOP OF PROTECTIVE CASING
TR	TOP OF WELL RISER
GS	GROUND SURFACE
TBS	TOP BENTONITE SEAL
TSP	TOP OF SANDPACK
TSC	TOP OF SCREEN
BSC	BOTTOM OF SCREEN
TD	TOTAL DEPTH
POW	POINT OF WELL

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UNITED STATES ARMY CORPS OF ENGINEERS
Seneca Army Depot
Romulus, New York

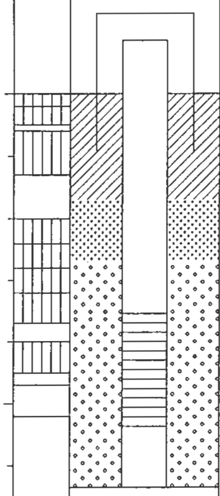
COMPLETION REPORT OF WELL No. MW71-2

COMPLETION REPORT OF WELL No. MW71-3

PROJECT: SEVEN LOW PRIORITY AOCs
PROJECT LOCATION: SENECA ARMY DEPOT, ROMULUS NY
DRILLING CONTRACTOR: EMPIRE SOILS INVESTIGATIONS
DRILLING METHOD: HOLLOW STEM AUGER
WELL INSTALLATION STARTED: 03/22/94
WELL INSTALLATION COMPLETED: 03/22/94

WELL LOCATION (N/E): 999229.9 750868.8
REFERENCE COORDINATE SYSTEM: New York State Plane
GROUND SURFACE ELEVATION (ft): 744.5
DATUM: NAD 1983
GEOLOGIST: K. KELLY
CHECKED BY: FO

STRATA MICRO DESCRIPTION (from boring log)	DEPTH (ft)	SYMBOL	WELL DETAILS	DEPTH (ft)		ELEVATION (ft)
					TPC	
					TR	
					TC	
	0			0.0	GS	744.5
ML						
ML						
-						
ML				1.7	TBS	742.8
-						
ML				2.7	TSP	741.8
ML						
ML				3.6	TSC	741.0
ML						
-						
ML						
GM-GC	5					
GM-GC				5.5	BSC	739.0
-						
	6.5			6.4	POW	738.2



WELL CONSTRUCTION DETAILS

PROTECTIVE COVER
Diameter: 4
Type: RISER
Interval: 3.5

RISER
Diameter: 2
Type: SCH. 40-PVC
Interval: 4.75

SCREEN
Diameter: 2
Type: SCH. 40-PVC/0.010
Interval: 1.95

SURFACE SEAL
Type: CEMENT
Interval: 1.7

GROUT
Type: N/A
Interval: N/A

SEAL
Type: BENTONITE PELLETS
Interval: 1

SANDPACK
Type: #1, #3
Interval: 3.65 #1: .5' #3: 3.15'

WELL DEVELOPMENT DATA
Date: 4/28/94
Method: BAIL/PUMP
Duration: 24 DAYS
Rate: .375 L/MIN

WATER LEVELS

Date	Time	Depth,TR
4/5	0830	6.43
4/14	1603	5.46
4/28	0955	6.16

Final Measurements:

pH	Temperature (degrees C)	Conductivity (micromhos/cm)	Turbidity (NTU)
7.05	70	475	4.38

LEGEND
SURFACE SEAL
GROUT
SEAL
SANDPACK
GRAVEL
SAND
SILT
CLAY
NO RECOVERY

TPC TOP OF PROTECTIVE CASING
TR TOP OF WELL RISER
GS GROUND SURFACE
TBS TOP BENTONITE SEAL
TSP TOP OF SANDPACK
TSC TOP OF SCREEN
BSC BOTTOM OF SCREEN
TD TOTAL DEPTH
POW POINT OF WELL

APPENDIX D

WELL DEVELOPMENT REPORTS

WELL DEVELOPMENT REPORT

ENGINEERING–SCIENCE, INC. | CLIENT: USACOE | WELL #: MW 71-1

PROJECT: 15 SWMU ESI (SEAD- 71)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY
DATE: 3/16/94
PROJECT NO.: 720519

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic Pump
SURGE METHOD (s): Bailer
INSTALLATION DATE: 3-14-94

INSPECTOR: BH
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 3/16/94
END DEVELOPMENT DATE: 3/16/94

WATER DEPTH (TOC): 4.48 ft
WELL DIA. (ID CASING): 2in ~~ft~~
BORING DIAMETER: 5.5in ~~ft~~

INSTALLED POW DEPTH(TOC): 9.4 ft
MEASURED POW DEPTH(TOC): 8.98 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8 5.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61 2.75	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = .733 GAL. = A
4.50 X .163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 3.80 GAL. = B
2.75 – .163

SINGLE STANDING WATER VOLUME = A + B = ... 4.53 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 22.65 GALS.
3xC 13.59

DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth	Flow Rate L/M
3/16	Surge/list 6	4.48	1530	1545	15	5.0 gals				Dirk Brn		'	1.4
3/16	1st Vol	4.72	1605	1620	15	5.~~0~~	7.01	550	5°C	Cloudy	730	5.98	
3/16	2nd Vol	5.60	1625	1640	15	5.0	6.92	550	5.5	Slightly Clear	142	6.60	1.4
3/16	3rd Vol.	6.00	1645	1655	10	5.0	6.93	550	5.5	Clear	96.6	6.70	1.4
3/16	4th Vol.	6.00	1700	1715	15	5.5	6.86	500	5.5	Clear	35	6.80	1.8
3/16	5th Vol.	6.00	1716	1731	15	5.5	6.85	520	5.5	Clear	22.4	7.00	1.4
TOTALS/FINAL						30							

RECOVERY
GOOD FAIR POOR

Notes
Flush Mount Well
Dirty Well

INVESTIGATION DERIVED WASTE (IDW)

DATE	3/16				
VOLUME	31.5 gals				
DRUM #	71-2W				

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW 71-1

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW 71-2

PROJECT: 15 SWMU ESI (SEAD- 71)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 4-5-94
PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic Pump
SURGE METHOD (s): Bailer
INSTALLATION DATE: 3-22-94

INSPECTOR: BH/MB
CONTRACTOR: -
CREW: -
START DEVELOPMENT DATE: 04/05/94
END DEVELOPMENT DATE: 4/28

WATER DEPTH (TOC): 4.85 ft
WELL DIA. (ID CASING): 2in ~~ft~~
BORING DIAMETER: 8.5 ~~ft~~

INSTALLED POW DEPTH(~~TOC~~): 6.6 ft
MEASURED POW DEPTH(TOC): 6.14 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8 8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61 2.75	3.30	4.08	4.93	5.87

(6.14-4.85) = (1.29) x (0.163)

2.8 = 3 5 STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 0.21 GAL. = A

6.6-~~4.85~~
6.14-4.85= 1.29

STANDING WATER IN ANNULAR SPACE = (1.29) x 2.787
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = 1.08 GAL. = B

SINGLE STANDING WATER VOLUME = A + B = ... 1.29 GAL. = C ≈ 1.3 gal

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 5.4 GALS.

3x = 3.2 gal

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth	FLOW RATE
Bailer	4/5	Surge	4.85	1000	1045	45	1 gal				Brn		Near dryness	
PUMP	4/14	1st Vol	4.06	1430	1437	7	1.5	7.08	445	6.5°C	Brown	1000+	5.30	500
PUMP	4/14	2ND Vol	5.23	1441	1456	15	1.5 gal	7.09	455	6.8°C	Silty	116*	6.10	250
PUMP	4/14	3RD Vol	4.64	1523	1540	17	1.5 gal	7.19	435	6.8°C	~~silty~~ clear	* 57.6	6.01	250
PUMP	4/28	4TH Vol	5.89	0845										
	TOTALS/FINAL						5.5							

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	4-5-94	4/14
VOLUME	1gal.	4.5
DRUM #		71-W

NOTE: * starts silty clears w/ pumping over 5-8 minutes @ 250 ml/min

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: 71-2

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WELL DEVELOPMENT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	WELL #: MW 71-3

PROJECT: 15 SWMU ESI (SEAD- 71)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY
DATE: 4-5-94
PROJECT NO.: 720579

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic Pump
SURGE METHOD (s): Bailer
INSTALLATION DATE: 3-22-94

INSPECTOR: BH/MB
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 4-5-94
END DEVELOPMENT DATE: 4/28

WATER DEPTH (TOC): 6.43 ft
WELL DIA. (ID CASING): 2 in ~~ft~~
BORING DIAMETER: 8.5 in ~~ft~~

INSTALLED POW DEPTH ~~(TOC)~~: 6.35 ft
MEASURED POW DEPTH(TOC): 7.82 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

.135
2.70
3.85

.35 - 2.7 = 3.65
1 - 6.43 =

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 0.23 GAL. = A
(1.41) × 0.163

STANDING WATER IN ANNULAR SPACE = 2.787
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 1.16 GAL. = B
1.3

SINGLE STANDING WATER VOLUME = A + B = ... 1.39 GAL. = C ≈ 1.4 gal

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 5.81 GALS.

3x = 3.49 gal

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth	Flow Rate ml/min
BAILER	4/5	Surge	6.43	0850	0945	55	1.5	—	—		Brn	1000+	Dry	
PUMP	4/5	1st Vol	6.7	1030	1037	7	0.7	7.15	450	5.9°C	Silty	100+	~~Dry~~ Near Dry	250
PUMP	4/14	1st Vol	5.02	1320	1335	15	1.5	7.14	470	6.2°	Clear	6.3	6.64	250/350
PUMP	4/14	2nd Vol	5.46	1603	1611	8	1.5	7.10	458	6.4°	Clear	33.6	6.96	500
PUMP	4/14	3rd Vol	6.50	1625	1630	5	0.75	7.13	475	6.5C	Clear	3.1	7.84	500/250
~~PUMP~~	~~4/14~~	~~3RD~~					~~0.75~~							
PUMP	4/28	3rd	4.16	0955	0959	4	~~0.75~~ 1.50 MB	~~6.99~~ 7.05 MB	475	7°C	Clear	4.38	8.10	252
				COMPLETE										
	TOTALS/FINAL						7.45							

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	4-5-94	4/14			
VOLUME	1.5 gal	3.75			
DRUM #		71-W			

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   WELL #: 71-3

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW70-1

PROJECT: 15 SWMU ESI (SEAD-70)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 05-17-94
PROJECT NO.: 720518

DRILLING METHOD (s): Hollow Stem Auger
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer · Teflon
INSTALLATION DATE: 2-22-94

INSPECTOR: Richard Moravec
CONTRACTOR: —
CREW: —
START DEVELOPMENT DATE: 05-17-94
END DEVELOPMENT DATE: 05-17-94

WATER DEPTH (TOC): 2.51 ft
WELL DIA. (ID CASING): 2.0" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~TOC~~): 10.45 ft
MEASURED POW DEPTH(TOC): 11.70 ft
SILT THICKNESS: 0.02 ft
POW AFTER DEVELOPMENT: 11.72 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87
							2.955				

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.51 GAL. = A
9.25 x 0.163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 6.66 GAL. = B
7.95 (2.955 – 0.163) x .3

SINGLE STANDING WATER VOLUME = A + B = 1.51 + 6.66 8.17 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C 5 x 8.17 40.8 GALS.

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth	
1st vol	5/17/94	Bail	2.51	1020	1030	10	8.5	6.70	500	7.5	Dark Brown	>1000	2.80	
2nd vol	5/17/94	Bail	2.55	1035	1045	10	9.0	6.88	500	8.0	Dark Brown	>1000	3.40	
3rd vol	5/17	Pump	3.00	1057	1118	21	8.5	6.96	480	7.6	Light Tan	19	4.26	Max
4th vol	5/17	Pump	4.26	1118	1142	24	8.5	6.85	470	7.6	Clear	20.5	4.42	
5th vol	5/17	Pump	4.42	1142	1212	30	14.0	6.86	470	7.8	Clear	15.3	4.44	
	TOTALS/FINAL						48.5							

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)					
DATE					
VOLUME					
DRUM #					

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: ____

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WELL DEVELOPMENT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	WELL #: MW70-2

PROJECT : 15 SWMU ESI (SEAD- 70)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 05-17-94
PROJECT NO. : 720518

DRILLING METHOD (s): Hollow Stem Auger
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer- teflon
INSTALLATION DATE: 2-21-94

INSPECTOR: Richard Moravec
CONTRACTOR: —
CREW: —
START DEVELOPMENT DATE: 05-17-94
END DEVELOPMENT DATE: 05-17-94

WATER DEPTH (TOC): 2.51' ft
WELL DIA. (ID CASING): 2.0" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~TOC~~): 11.55 ft
MEASURED POW DEPTH(TOC): 13.14 ft
SILT THICKNESS: .04 ft
POW AFTER DEVELOPMENT: 13.08 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

2.955

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.73 GAL. = A
10.63 0.163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 7.16 GAL. = B
8.55 2.955 0.163

SINGLE STANDING WATER VOLUME = A + B = ...1.73 + 7.16..... 8.89 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C ....5 x 8.89........ 44.46 GALS.

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth	
1st Vol	5/17/94	Bail	2.51	1245	1300	15	10.	6.60	800	8.7	Dark Brown/gray	>1000	2.82	
2nd Vol	5/17/94	Bail	2.72	1305	1320	15	10.	6.70	780	8.8	Dark Brown	>1000	2.85	
3rd Vol	5/17	Pump	2.72	1322	1347	25	10.	6.7	780	9.0	Light Tan	191	3.18	Max
4th Vol	5/17	Pump	3.18	1347	1412	25	10.	6.73	790	9.2	Clear (nearly)	24.3	3.18	
5th Vol	5/17	Pump	3.18	1412	1437	25	10.	6.63	800	9.4	Clear	3.14	3.18	
	TOTALS/FINAL						50							

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)					
DATE					
VOLUME					
DRUM #					

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW 70-3

PROJECT: 15 SWMU ESI (SEAD-70)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY
DATE: 05-17-94
PROJECT NO.: 720518

DRILLING METHOD (s): Hollow Stem Auger
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer - teflon
INSTALLATION DATE: 2-21-94

INSPECTOR: Richard Moravec
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 05-17-94
END DEVELOPMENT DATE: 05-17-94

WATER DEPTH (TOC): 3.07' ft
WELL DIA. (ID CASING): 2.0" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~TOC~~): 9.40 ft
MEASURED POW DEPTH(TOC): 10.58 ft
SILT THICKNESS: .04 ft
POW AFTER DEVELOPMENT: 10.62 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

2.955

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.23 GAL. = A
7.55 0.163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 5.11 GAL. = B
6.10 (2.955 0.163) x .3

SINGLE STANDING WATER VOLUME = A + B = ... + 5.11 .... 6.34 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 5 x 6.34 .... 31.7 GALS.

	DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
1st vol	5/17/94	Bail	3.07	1510	1520	10.0	7.0	6.80	820	8.2	Dark Brown	>1000	4.65
2nd vol	5/17	Bail	3.30	1525	1535	10.0	7.0	6.85	820	9.0	Dark Brown	>1000	6.20
3rd vol	5/17	Pump	3.50	1535	1555	20	7.0	6.89	680	8.5	Brown	945	4.60
4th vol	5/17	Pump	4.60	1555	1615	20	7.0	6.95	670	8.3	Bluish Brown	85.3	4.65
5th	5/17	Pump	4.65	1615	1635	20	7.0	6.83	670	8.6	Clear	15.6	4.68
	TOTALS/FINAL						35						

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE					
VOLUME					
DRUM #					

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: ______

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WELL DEVELOPMENT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	WELL #: MW 70 - 4

PROJECT : 15 SWMU ESI (SEAD– 70)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 05-18-94
PROJECT NO. : 720518

DRILLING METHOD (s): Hollow Stem Auger
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer - Teflon
INSTALLATION DATE: 5-11-94

INSPECTOR: Richard Moravec
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 05-18-94
END DEVELOPMENT DATE: 05-23-94

WATER DEPTH (TOC): 2.22 ft
WELL DIA. (ID CASING): 2.0" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~[illegible]~~): 10.10 ft
MEASURED POW DEPTH(TOC): 11.52 ft
SILT THICKNESS: .01 ft
POW AFTER DEVELOPMENT: 11.53 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87
							2.955				

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.52 GAL. = A
9.3 0.163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 6.37 GAL. = B
7.6 (2.955 0.163) x .3

SINGLE STANDING WATER VOLUME = A + B = ... + 6.37 ..... 7.89 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 5 x 7.89 .... 39.4 GALS.

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth	
1st Vol	5/18/94	Bailer	2.22	0825	0910	35	8.0	7.10	680	9.8	Dark [illegible] Brown	>000	9.83	
2nd Vol	5/18/94	Pump/Bailer	6.15	0930	1115	105	8.0	6.90	670	10.1	Clear	2.10	7.97	230 ml/min
3rd Vol.	5/18	Pump	7.97	1115	1245	90	8.0	6.90	690	9.8	clear	5.21	9.59	270
4th Vol	5/18	Pump	9.59	1245	1415	90	8.0	6.92	690	9.7	Slightly cloudy	43.7	10.52	
5th Vol	5/23	Pump	2.42	0900	1030	90	8.0	6.[illegible]	690	10.1	Clear	3.59	7.82	270
	TOTALS/FINAL						40							

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE					
VOLUME					
DRUM #					

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW 67-1

PROJECT : 15 SWMU ESI (SEAD- 67)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 5-12-94
PROJECT NO. : 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE: 3/30/94

INSPECTOR: F. O'Loughlin
CONTRACTOR: Empire
CREW: [illegible] Bush
START DEVELOPMENT DATE: 5-13-94
END DEVELOPMENT DATE:

WATER DEPTH (TOC): 3.93 ft
WELL DIA. (ID CASING): 2" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(TOC): 13.15 ft
MEASURED POW DEPTH(TOC): 13.05 ft
SILT THICKNESS: 0.10 ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

2.955

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.5 GAL. = A
9.22' x 0.163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = 7.7 GAL. = B
9.22 2.95 0.163

SINGLE STANDING WATER VOLUME = A + B = 7.7 + 1.5 9.22 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C 9.22 x 5 46.1 GALS.

Flow rate

DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME (min)	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
5-13	Surge/pump	3.43	1130	1450	260	26.35	7.10	480 umhos	11.5	silty grey	>1000	—
5-13	pump	—	1450	1630		~~20.1~~ 18.75	7.51	440	11	clear	1.19	10.2
TOTALS/FINAL						45.1						

500 ml/min

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)					
DATE					
VOLUME					
DRUM #					

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW67-2

PROJECT : 15 SWMU ESI (SEAD- 67)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 5-14-94
PROJECT NO. : 720518

DRILLING METHOD (s): H/SA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE: 3-30-94

INSPECTOR: F. OLaughlin
CONTRACTOR: Empire
CREW: R. Bush
START DEVELOPMENT DATE: 5-14-94
END DEVELOPMENT DATE: 5/14

WATER DEPTH (TOC): 1.89 ft
WELL DIA. (ID CASING): 2.0" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(~~TOC~~): 11.75 ft
MEASURED POW DEPTH(TOC): 12.75 ft
SILT THICKNESS: 0.0 ft
POW AFTER DEVELOPMENT: 12.75 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

2.955

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.78 GAL. = A
10.91 x 0.163

STANDING WATER IN ANNULAR SPACE =
Depth to seal = 3.15' WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR − WELL DIAM. FACTOR) X 0.3 = 7.1 GAL. = B
8.6 2.95 − 0.163

SINGLE STANDING WATER VOLUME = A + B = ...7.1 + 1.78........ 8.88 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C ....8.88 x 5.................. 44.4 GALS.

AX. RATE

DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
5-14-94	Surge/Pump	1.89'	1025	1050	25	10 gal	7.11	470 umhos	11.C	light brown	~~1000~~	2.52
5/14	Pump	2.21	1100	1225	85	36 gal	7.15	450	9.0	Clear	28.0	3.45
TOTALS/FINAL						46						

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)					
DATE					
VOLUME					
DRUM #					

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW 67-3

PROJECT : 15 SWMU ESI (SEAD- 67)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 5-12-94
PROJECT NO. : 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer - Teflon
INSTALLATION DATE: 3/29/94

INSPECTOR: F O'Loughlin
CONTRACTOR: Empire
CREW: R Bush
START DEVELOPMENT DATE: 5-12-94
END DEVELOPMENT DATE:

WATER DEPTH (TOC): 3.70 ft
WELL DIA. (ID CASING): 2" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(TOC): 13.1 ft
MEASURED POW DEPTH(TOC): 12.8 ft
SILT THICKNESS: 0.3 ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

2.95

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.53 GAL. = A
9.4 x 0.163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = ~~26.19~~ 7.9 gal GAL. = B
9.4 2.95 0.163

SINGLE STANDING WATER VOLUME = A + B = ~~26.19~~ 7.9 + 1.53 9.39 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C 5 x 9.39 46.9 GALS.

DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME (min)	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
5-12	Surge/pump	3.70	1415	1630		29.75	7.50	400 umhos	12.5	grey silty	604	-
5-12	pump	-	1600	1630		17.5	7.69	370	13	grey silty	5[illegible]	4.3
5-17	Pump	3.80	1330	1400	30	10.0	7.14	370	8.5	nearly clear	4.12	4.12
TOTALS/FINAL						57.25						

100ml rate

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)					
DATE					
VOLUME					
DRUM #					

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW64A-1

PROJECT : 15 SWMU ESI (SEAD- MW 64A)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY
DATE: 05-23-94
PROJECT NO. : 720518

DRILLING METHOD (s): Hollow Stem Auger
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer, Teflon
INSTALLATION DATE: 4-2-94

INSPECTOR: Richard S. Moravec
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 05-23-94
END DEVELOPMENT DATE: 7/10/94

WATER DEPTH (TOC): 10.86 ft
WELL DIA. (ID CASING): 2.0" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(~~BGS~~): 10.70' ft
MEASURED POW DEPTH(TOC): 10.96 ft
SILT THICKNESS: .00 ft
POW AFTER DEVELOPMENT: ~~11.96~~ TOC ft → 12.09' Revised 8/7/94

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

2.955

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 0.18 GAL. = A
1.12 0.163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = .94 GAL. = B
1.12 2.955 0.163

SINGLE STANDING WATER VOLUME = A + B = ...18 + .94......... 1.12 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C ....5 X 1.12........ 5.6 GALS.

DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
5/23/94	Bail	10.86	1045	1050	5	0.3	7.47	500	14.9	Light Brown	458	10.65 Dry
5/24	Bail	11.71	0725	0730	5	.05	7.64	470	10.0	Cloudy	889	11.80
7-9	Bail	9.89'	1015	1035	20	1.2	7.11	500	13.9	Grey cloudy	>100	11.62' Dry
7-9	Pump	10.50'	1400	14:20	20	0.5	7.08	530	16.4	Clearing	18	11.63 Dry
7-10	Pump	10.56	16:00	16:20	20	0.5	7.07	460	13.8	Clear	3.6	11.67 Dry
										Complete		
TOTALS/FINAL						2.55						

RECOVERY
GOOD FAIR POOR

~~KEY # 2537~~ FD.

INVESTIGATION DERIVED WASTE (IDW)				
DATE	7-9-94	7-10-94		
VOLUME	1.7 gal	0.5 gal		
DRUM #	MW64A-1W	64A-1W		

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW 64A-2

PROJECT: 15 SWMU ESI (SEAD-64A)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 05-23-94
PROJECT NO.: 720518

DRILLING METHOD (s): Hollow Stem Auger
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer - Teflon
INSTALLATION DATE: 4-1-94

INSPECTOR: Richard S. Moravec
CONTRACTOR: –
CREW: –
START DEVELOPMENT DATE: 05-23-94
END DEVELOPMENT DATE: 7/11

WATER DEPTH (TOC): 7.42 ft
WELL DIA. (ID CASING): 2.0" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~TOC~~): 8.0 ft
MEASURED POW DEPTH(TOC): 9.48 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ~~9.94~~ ~~10.54~~ ft
~~9.56~~ ft 9.63'
Revised 8/11/94

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

2.955

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = .34 GAL. = A
2.06 0.163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR − WELL DIAM. FACTOR) X 0.3 = 1.73 GAL. = B
2.06 2.955 0.163

SINGLE STANDING WATER VOLUME = A + B = 0.34 + 1.73 2.07 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C 5x 2.07 10.33 GALS.

DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
5/23/94	Bail	7.42	1330	1335	5	0.3	7.45	500	17.0	Dark Gray Brown	>1000	9.38
5/24	Bail	8.04	0740	0743	3	0.25	7.23	520	15.2	Dark Gray Brown	>1000	9.24
7/1	Pump	6.98	0945	1000	15	1	went dry				>100	
7/9	Bail	6.99'	09:00	09:20	20	0.3	6.98	680	16.1	Orange Brown	>1000	8.06'
7/9	Pump	8.06'	09:30	09:40	10	~~1.0~~ 0.2	7.03	650	15.8	A/A	>1000	Dry 9.26'
7/9	Bail	8.03'	10:55	11:00	5	.2	7.01	660	17.5	A/A	>100 Dry	
7/9	Pump	7.18'	14:40	1500	20	.3	6.93	690	18.1	A/A	>1000	Dry
7/10	Pump	7.22'	16:30	16:50	20	.4	6.86	700	16.8	Slightly clear	>100 ~175	
7/11	Pump	7.39'	10:10	1030	20	.4	6.84	750	16.5	Cloudy Brown	>100 cloudy	Dry 9.26'
TOTALS/FINAL						3.35						

RECOVERY
GOOD FAIR POOR

KEY # 2537

INVESTIGATION DERIVED WASTE (IDW)

DATE	7-7-94	7-9-94	7-10+11		
VOLUME	1gal	.5			
DRUM #	MW64A-2W				

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW64A-2

WELL DEVELOPMENT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	WELL #: MW64A-3

PROJECT: 15 SWMU ESI (SEAD-64A)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 05-23-94
PROJECT NO.: 720518

DRILLING METHOD (s): Hollow Stem Auger
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bail-Teflon
INSTALLATION DATE: 4-1-94

INSPECTOR: Richard S. Moravec
CONTRACTOR: –
CREW: –
START DEVELOPMENT DATE: 05-23-94
END DEVELOPMENT DATE: 5/23/94

WATER DEPTH (TOC): 6.59 ft
WELL DIA. (ID CASING): 2.0" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~TOC~~): 8.7 ft
MEASURED POW DEPTH(TOC): 10.49 ft
SILT THICKNESS: .01 ft
POW AFTER DEVELOPMENT: ~~10.48~~ rv. ft
10.6' Revised 8/17/94

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87
							2.955				

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = .63 GAL. = A
3.85 0.163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 3.22 GAL. = B
3.85 2.955 0.163

SINGLE STANDING WATER VOLUME = A + B = .63 + 3.22 3.85 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C 5 x 3.85 19.27 GALS.

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth	
1st Vol	5/23/94	Bail	6.59	1350	1410	20	4.0	7.10	450	10.5	Dk Brown	>1000	7.31	
	5/23	Bail	7.31	1415	1420	5	1.0	7.08	460	10.6	Dk Brown	>1000	7.75	
2nd Vol	5/23	Bail	6.64	1450	1455	5	3.0	7.16	480	10.8	Dark Brown	>[illegible]	7.60	
3rd Vol	5/23	Pump	6.64	1510	1540	30	4.0	7.17	460	11.3	Cloudy	29.	7.02	400
4th Vol	5/23	Pump	7.02	1540	1610	30	4.0	7.09	460	10.8	clear	4.94	7.03	400
5th Vol	5/23	Pump	7.03	1610	1640	30	4.0	7.09	460	10.9	clear	3.24	7.04	400
	TOTALS/FINAL						20							

RECOVERY
GOOD FAIR POOR

Key# 2537

INVESTIGATION DERIVED WASTE (IDW)					
DATE					
VOLUME					
DRUM #					

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW643-1

PROJECT: 15 SWMU ESI (SEAD-643)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 05-24-94
PROJECT NO.: 720518

DRILLING METHOD (s): Hollow Stem Auger
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer - Teflon
INSTALLATION DATE: 5-11-94

INSPECTOR: Richard S. Moravec
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 05-24-94
END DEVELOPMENT DATE: 05-24-94

WATER DEPTH (TOC): 3.29 ft
WELL DIA. (ID CASING): 2.0" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~TOC~~): 15.7' ft
MEASURED POW DEPTH(TOC): 17.02 ft
SILT THICKNESS: .00 ft
POW AFTER DEVELOPMENT: 17.02 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

2.955

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 2.24 GAL. = A
13.73 0.163

STANDING WATER IN ANNULAR SPACE =
TSP = 3.0 WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR − WELL DIAM. FACTOR) X 0.3 = 10.64 GAL. = B
12.7 2.955 0.163

SINGLE STANDING WATER VOLUME = A + B = 2.24 + 10.64 12.88 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C 5 x 64.39 GALS.

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
1st vol	5/24/94	Bail / Surge	3.29	0930	0950	20	13	7.10	680	9.2	Dark Brown	>1000	3.88
2nd vol	5/24	Bail	3.65	0955	1015	20	13	7.15	680	8.8	Brown	>1000	4.25
3rd vol	5/24	Pump	3.72	1025	1100	35	13	7.01	680	9.5	Light Brown	998	4.57
4th	5/24	Pump	4.57	1100	1135	35	13	6.99	680	9.7	Tan Brown	322	4.61
5th vol	5/24	Pump	4.61	1135	1210	35	13	7.01	680	9.6	Cloudy	97.3	4.64
5th vol	5/24	Pump	4.61	1210	1245	35	13	7.00	680	9.7	Nearly Clear	49.3	4.65
	TOTALS/FINAL						78						

RECOVERY

GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE					
VOLUME					
DRUM #					

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW64B-2

PROJECT: 15 SWMU ESI (SEAD-64B)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 05-24-94
PROJECT NO.: 720518

DRILLING METHOD (s): Hollow Stem Auger
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer - Teflon
INSTALLATION DATE: 5-15-94

INSPECTOR: Richard Moravec
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 05-24-94
END DEVELOPMENT DATE: 05-24-94

WATER DEPTH (TOC): 4.23' ft
WELL DIA. (ID CASING): 2.0" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~BGS~~): 13.95' ft
MEASURED POW DEPTH(TOC): 15.19' ft
SILT THICKNESS: .05 ft
POW AFTER DEVELOPMENT: 15.24 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

2.955

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.79 GAL. = A
10.96 0.163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = 9.59 GAL. = B
11.45 2.955 0.163

SINGLE STANDING WATER VOLUME = A + B = 1.79 + 9.59 11.38 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C 5 x 11.38 56.88 GALS.

	DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth	
1st Vol	5/24/94	Bail Surge	4.23	1505	1520	15	11.5	7.17	600	9.7	Dark Brown	>1000	5.61	
2nd vol	5/24	Bail/S	4.61	1525	1537	12	11.5	7.18	590	9.4	Brown	>1000	5.84	
3rd vol	5/24	Bail/Su	4.81	1540	1555	15	11.5	7.17	580	9.3	Brown	>1000	6.01	
4th vol	5/24	Pump	4.78	1600	1630	30	11.5	7.12	590	9.7	Light Brown	220	5.56	Max
5th vol	5/24	Pump	5.56	1630	1700	30	11.5	7.09	590	9.6	clear	38.7	5.59	Max
	TOTALS/FINAL						57.5							

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)					
DATE					
VOLUME					
DRUM #					

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW64B-3

PROJECT: 15 SWMU ESI (SEAD-64B)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY
DATE: 05-25-94
PROJECT NO.: 720518

DRILLING METHOD (s): Hollow Stem Auger
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer - Teflon
INSTALLATION DATE: 5-13-94

INSPECTOR: Richard Moravec
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 05-25-94
END DEVELOPMENT DATE: 05-25-94

WATER DEPTH (TOC): 12.55 ft
WELL DIA. (ID CASING): 2.0" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~TOC~~): 26.20 ft
MEASURED POW DEPTH(TOC): 27.14 ft
SILT THICKNESS: .00 ft
POW AFTER DEVELOPMENT: 27.14 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 2.38 GAL. = A
14.59 0.163

STANDING WATER IN ANNULAR SPACE =
TSP 7.5 WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR − WELL DIAM. FACTOR) X 0.3 = 12.22 GAL. = B
14.59 2.955 − 0.163

SINGLE STANDING WATER VOLUME = A + B = 2.38 + 12.22 14.6 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C 5 X 14.6 73. GALS.

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
1st Vol	5/25/94	Bail / Surge	12.55	~~0905~~	0925	20	15	6.93	880	8.7	Dark Brown	>1000	22.14
2nd Vol	5/25	Bail/Surge	16.00	0930	0955	25	15	6.99	870	8.8	Brown	>1000	24.20
3rd Vol	5/25	Pump	14.70	1005	1055	50	15	6.75	880	8.9	Clear	4.13	16.13
4th Vol	5/25	Pump	16.13	1055	1145	50	15	6.74	920	9.0	clear	1.33	15.89
5th Vol	5/25	Pump	15.89	1145	1245	60	15	6.80	870	9.0	clear	1.88	15.73
	TOTALS/FINAL						75						

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)						
DATE						
VOLUME						
DRUM #						

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW64C-1

PROJECT : 15 SWMU ESI (SEAD-
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 6/23/94
PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE: 5/16/94

INSPECTOR: KKJ
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 6/23/94
END DEVELOPMENT DATE: 6/24/94
Stickup = 1.3

WATER DEPTH (TOC): 5.21 ft
WELL DIA. (ID CASING): 2.0" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(~~TOC~~): GS 16.1 ft
MEASURED POW DEPTH(TOC): KKS ~~5.21~~ 17.40 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: 17.40 ft

DIAMETER FACTORS (GAL/FT):

TSP = 2.5

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

12.19 x .163

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 2 GAL. = A

13.6 x (2.95 - .163) x .3

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = 11.4 GAL. = B

SINGLE STANDING WATER VOLUME = A + B = ... 13.4 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... GALS.

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
	6/23	Surge	5.21	1600	1630	30 min	10					Dark Brown	
*	6/24	Repeat Surge	5.21	0925	0945	20	2.5						
Start Vol. 1	6/24	Pump 1st Vol	6.20	0950	1045	55	15	7.82	500	10.0	Dark Brown	1000+	11.0
Rate 750 ml/min	6/24	Pump 2nd Vol	11.0	1045	1130	45	10	7.64	600	9.7	Grey silty	100+	10.7
1000 ml/min	6/24	Pump 3rd	10.7	1130	1230	60	13.5	7.63	590	9.8	clear	450	11.4
500 ml/min	6/24	Pump 4th	11.4	1230	1245	15	3	7.58	590	9.8	clear	30.0	9.8
							Complete						
	TOTALS/FINAL						54						

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	6-23	6-24		
VOLUME	10	44		
DRUM #	64C-2	64C-2		

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC. | CLIENT: USACOE | WELL #: MW64D-5

PROJECT: 15 SWMU ESI (SEAD- 64D) | DATE: 6/27/94
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY | PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): peristaltic
SURGE METHOD (s): teflon bailer
INSTALLATION DATE: 6/22/94

INSPECTOR: ES
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 6/27/94
END DEVELOPMENT DATE: 7/6/94
Stickup = 1.31

WATER DEPTH (TOC): 7.34 ft
WELL DIA. (ID CASING): 2" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(~~TOC~~)GS: 7.15 ft
MEASURED POW DEPTH(TOC): 8.46 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

4.56 TSP
7.34 ▽
8.46 POW

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = .18 GAL. = A
(8.46 - 7.34) = 1.12   1.12 x .163 =

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = .94 GAL. = B
(8.46 - 7.34) = 1.12   1.12 x (2.95 - .163) .3 =

SINGLE STANDING WATER VOLUME = A + B = ... 1.12 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 5.6 GALS.

DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
6/27	Surge	7.34 ~~7.26~~ ES										Dry
6/28	Surge	7.26		Not enough	standing water	to surge					8	
6/28	Pump	7.26 ~~7.33~~	1330	1340	10	.3	7.80	825	see note		100+	Dry
6/29	"	6.88										
7/6	Surge	5.61	1650	1710	20	.3				muddy	1000+	5.66
TOTALS/FINAL												

45ml/min

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	6/28	7/6			
VOLUME	.3	.3			
DRUM #	#64D-7	"			

Note:
rate too slow for repeatable readings

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

p. 2

WELL DEVELOPMENT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	WELL #: MW64D-5

PROJECT: 15 SWMU ESI (SEAD- 64D)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 7-10-94
PROJECT NO.: 720518-01000

DRILLING METHOD (s):
PUMP METHOD (s):
SURGE METHOD (s):
INSTALLATION DATE:

INSPECTOR: KLK
CONTRACTOR: —
CREW: —
START DEVELOPMENT DATE:
END DEVELOPMENT DATE:

WATER DEPTH (TOC): 6.06 ft
WELL DIA. (ID CASING): ft
BORING DIAMETER: ft

INSTALLED POW DEPTH(TOC): ft
MEASURED POW DEPTH(TOC): 8.47 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

4.75
↓
8.65

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = .4 GAL. = A
2.41

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 2.02 GAL. = B
2.79

SINGLE STANDING WATER VOLUME = A + B = ... 2.42 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 12 GALS.

pump rate ml/min

DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	~~ELAPSED TIME~~	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
7/10	pump	6.06	1535		300	1.5	7.36	510	15.2	murky		6.28
					300	.75	7.40	490	14.8	very cloudy	(1000+)	6.28
					300	.75	7.42	500	14.8	cloudy		6.28
					300	.75	7.36	500	14.4	slightly cloudy		6.28
					300	.5	7.42	500	14.6	clear		6.28
					500	.75	7.43	500	14.1	murky	1000+	6.40
					500	.75	7.33	500	14.1	cloudy		6.46
7/10				1645	500	.75	7.42	500	14.2	cloudy	NTU 13.0	6.52
										complete		
TOTALS/FINAL						6.5						

RECOVERY by 1653 waterlevel → 6.09
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	7-9-94
VOLUME	7 gal
DRUM #	640-7-W

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

MW64D-5

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW64D-5

PROJECT: 15 SWMU ESI (SEAD- 64D)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 7-10-94
PROJECT NO.:

DRILLING METHOD (s):
PUMP METHOD (s):
SURGE METHOD (s):
INSTALLATION DATE:

INSPECTOR: KLK, KKS
CONTRACTOR:
CREW:
START DEVELOPMENT DATE:
END DEVELOPMENT DATE:

WATER DEPTH (TOC): 6.23 ft
WELL DIA. (ID CASING): ft
BORING DIAMETER: ft

INSTALLED POW DEPTH(TOC): ft
MEASURED POW DEPTH(TOC): ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = ______ GAL. = A

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = ______ GAL. = B

SINGLE STANDING WATER VOLUME = A + B = ... ______ GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... ______ GALS.

	DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
	7/10	Surge	6.23	1600	1611	11	.25				brown		
200ml/min	7/10	pump		1610	1635	25	2.5	6.84	475	13.6	cloudy		6.64
600ml	7/10	pump	6.64	1635	1655	20	2.5	7.22	470	13.3	sl. cloudy	clear (15.0)	6.66
600ml/min 800ml/min	7/10	pump	6.66				3.0				sl. cloudy		7.1
	TOTALS/FINAL												

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)				
DATE	7-10-94			
VOLUME	0.25			
DRUM #	64D-7-W			

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW64D-5

WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW 60-3

PROJECT: 15 SWMU ESI (SEAD- 60)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY
DATE: 3/5/94
PROJECT NO.: 720518

DRILLING METHOD (s): Hollow Stem Auger (HSA)
PUMP METHOD (s): Peristaltic Pump
SURGE METHOD (s): Bailer (Teflon)
INSTALLATION DATE: 3/2/94

INSPECTOR: BH/MB
CONTRACTOR: N/A
CREW: N/A
START DEVELOPMENT DATE: 3/5/94
END DEVELOPMENT DATE: 3/5/94

WATER DEPTH (TOC): 2.48 ft
WELL DIA. (ID CASING): 2in ~~ft~~
BORING DIAMETER: 8.5in ~~ft~~

INSTALLED POW DEPTH(TOC): 24.0 ft
MEASURED POW DEPTH(TOC): 24.5 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	~~8~~ 8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	~~2.61~~ 2.95	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 3.6 GAL. = A
22.02 x .163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = 18 GAL. = B
21 2.95 - .163

SINGLE STANDING WATER VOLUME = A + B = ... 21.6 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 108 GALS.
3XC 64.8

DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
3/5/94	Surge/Bail	2.48	1000		40	5	~~7.24~~	~~700~~	~~2°~~	~~Silty~~	~~237~~ ~~810~~	~~6.20~~
	~~2nd Vol~~	~~6.15~~				~~5~~	~~7.25~~	~~650~~	~~9.5~~	~~clear~~	~~11.7~~	~~5.50~~
	1st Volume		1040	1115	35	16	7.24	700	2°	Silty	237	6.20
	2nd Volume	6.15	1125	1200	35	22	7.25	650	9.5°C	Clear	11.7	5.50
	3rd Volume	5.90	1205	1230	25	9	7.26	650	9.5°C	clear	4.19	8.54
	TOTALS/FINAL											

RECOVERY
GOOD FAIR POOR

Comments;
There was sand in the bottom the Well Development water bucket ?

INVESTIGATION DERIVED WASTE (IDW)

DATE	03/05			
VOLUME	52gal			
DRUM #	60-3W			

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: 60-3

WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW 60-2

PROJECT : 15 SWMU ESI (SEAD- 60)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 3-30-94
PROJECT NO. : 720579

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic Pump
SURGE METHOD (s): Bailer
INSTALLATION DATE: 3/22/94

INSPECTOR: BH
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 3-30-94
END DEVELOPMENT DATE: 3-31-94

WATER DEPTH (TOC): 3.51 ft
WELL DIA. (ID CASING): 2in ~~ft~~
BORING DIAMETER: 8.5in ~~ft~~

INSTALLED POW DEPTH(TOC): 19.6 ft
MEASURED POW DEPTH(TOC): 21.27 ft
SILT THICKNESS: 0 ft
POW AFTER DEVELOPMENT: 21.27 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 2.89 GAL. = A
17.76 x .163

STANDING WATER IN ANNULAR SPACE =
16.5 WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = 13.80 GAL. = B
16.5 x (2.95 - .163) x .3

SINGLE STANDING WATER VOLUME = A + B = ... 16.70 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 83.50 GALS.
3xC 50.10

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
Bailer	3/30	Surge	3.51	1635	1705	30	10 gals				Brn	←	4.60
Pump	3/31	1st Volume	3.48	1330	1415	45	17 gals	7.35	625	8.5	Clear	9.85	5.10
Pump	3/31	2nd Volume	4.80	1416	1439	23	17 gals	7.33	625	7.5	Clear	2.25	4.80
Pump	3/31	3rd Volume	4.80	1451	1521	20	17 gals	7.32	625	8.0c	Clear	3.40	6.10
	TOTALS/FINAL												

Complete

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	3-30-94	3/31/94	3/31/94
VOLUME 12 gals	10 gals	34 gals	17 gals
DRUM #	60-BW	60-8-W	60-9-W

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW 60-2

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW60-1

PROJECT : 15 SWMU ESI (SEAD- 60)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 3-31-94
PROJECT NO. : 720519

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic Pump
SURGE METHOD (s): Bailer
INSTALLATION DATE: 3/23/94

INSPECTOR: BH
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 3-31-94
END DEVELOPMENT DATE: 4/1/94

WATER DEPTH (TOC): 2.88 ft
WELL DIA. (ID CASING): 2in ~~ft~~
BORING DIAMETER: 8.5in ~~ft~~

INSTALLED POW DEPTH(TOC): 18.3 ft
MEASURED POW DEPTH(TOC): 19.76 ft
SILT THICKNESS: .01 ft
POW AFTER DEVELOPMENT: 19.77 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/ FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 2.75 GAL. = A
16.88

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = 12.79 GAL. = B
15.30

SINGLE STANDING WATER VOLUME = A + B = ... 15.54 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 77.70 GALS.

3XC 46.62

	DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
	3/31	Surge	2.88	1605	1640	35	10gals				Brown		4.20
Pump	4/1	1st Volume	2.98	0848	0916	28	15.5gal.	6.85	875	8°C	Clear	37.2	4.10
Pump	4/1	2nd Volume	4.10	0916	0945	29	15.5	6.97	875	8°C	Clear	1.38	4.20
Pump	4/1	3rd Volume	4.20	0945	1012	27	15.5	7.01	900	8.5°C	Clear	0.88	4.15
	TOTALS/FINAL												

Complete

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	3/31/94	4/1/94			
VOLUME	10gals	45 gal			
DRUM #	60-12-W	60-10-W			

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW60-1

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW62-1

PROJECT: 15 SWMU ESI (SEAD-
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 6/21/94
PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Tefl. Bailer
INSTALLATION DATE: 4/1/94

INSPECTOR: KKS
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 6/21/94
END DEVELOPMENT DATE: 6/28/94

stickup - 1.45

WATER DEPTH (TOC): 2.34 (6/25 6.7) ft
WELL DIA. (ID CASING): 2.0" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(~~TOC~~ GS): 8.01 ft
MEASURED POW DEPTH(TOC): 9.46 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = (7.12 ~~5.67~~ x .163) (2.76 x .163) 1.16 GAL. = A (6/25 .45)

STANDING WATER IN ANNULAR SPACE = 5.4 x (2.95 2.8 - .163) x .3
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 4.54 GAL. = B (2.32)

SINGLE STANDING WATER VOLUME = A + B = ... 5.7 GAL. = C (2.77)

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 28.5 GALS.

3x = 17.1

DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
6/21	surge	2.34	1640	1500	20 min	4				Dark Brown		7.0'
6/22	cont. pump 1st vol.	6.66	955	1010	15 min	1.7	7.60	800	13.5°C	light brown	1000+	8.54
	pump 2nd vol	8.54	1010	1015	5 min	.25						Dry
6/23	surge	7.77	0900		Not enough water to surge - will return							
6/25	surge	6.68	0820	0840	20	1.50				Dark Brown		Dry
~~6/26~~		~~7.32~~	~~1005~~	~~1025~~	~~Not enough water to surge - will return~~ KKS							
6/26	surge	7.32	1005	1025	20	1.0	See notes ~~below~~ KKS					Dry
6/28	surge	~~8.44~~	0855	0910	15	1.2	~~7.65~~ KKS		~~16.4~~	Brown		Dry
6/28	Pump	8.41	1130	1145	15	.5	7.65	800	16.4	silty	30	Dry
						Complete						
TOTALS/FINAL												

covered 2.78 3 days periods of heavy rain

60 ml 100 ml / min

RECOVERY ~~6/26 Recovery rate 100 ml/min @ 2.5'~~ KKS
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	6/21	6/25	6/26	6/28
VOLUME	4 gal	1.5	1.0	1.7
DRUM #	#62-2	#62-2	#62-2	#62-2

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW62-1

Notes: 6/26 Recovery rate 0.10' = 52 sec @ 9.0' - 8.9'
0.10' = 8 min 15 sec @ 8.6' - 8.5'
0.10' = 15 min+ @ 8.5' - 8.4'

6/28 - Surface has standing water due to heavy rain
well pumped dry @ 60 ml/min.
Temp. reading is high due to slow rate

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW62-3

PROJECT: 15 SWMU ESI (SEAD- 62)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 7-6-94
PROJECT NO.: 720518

20.46

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE: 6-28-94

INSPECTOR: KKJ
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 7/6/94
END DEVELOPMENT DATE: 7/12/94

WATER DEPTH (~~TOC~~): GS 0.0' / 3.28 TOC ft
WELL DIA. (ID CASING): 2.0" ft
BORING DIAMETER: 8.5" ft

Surface not complete

INSTALLED POW DEPTH(TOC): 17.45 ft
MEASURED POW DEPTH(TOC): 23.46 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: 23.46 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

17.95 x .163

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 2.92 GAL. = A

STANDING WATER IN ANNULAR SPACE = 13.45 x (2.95 - .163) x .3
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 11.25 GAL. = B

SINGLE STANDING WATER VOLUME = A + B = ... 14.20 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 71.0 GALS.

x 3 = 42.60

DATE	ACTIVITY	STARTING H20 DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
7/6	Surge	GS 0.0	1130	1150	20	10				Brown		
7/6	Surge	GS 0.0	1240	1300	20	10				Brown		
7/12	Pump	3.28	1250 1126	1330 1146	40 20	14.0	7.15	500	10.9	clear	45 kKs	8.30
7/12	Surge	8.30	1330	1400	S-10 P-20	140	7.30	510	10.8	Gray	1000+	9.00
7/12	Pump	9.00	1400	1435	35	14.0	7.21	510	11.2	Gray	1000+	9.40
7/12	pump	9.40	1435	1505	30	14.0	7.25	510	11.0	Clear	15	9.65
7/12	surge/pump	9.65	1505	1535	30	14.0	7.28	510	10.9	Dark Brown	1000+	11.5
7/12	pump	11.5	1535	1600	25	14.0	7.16	510	10.6	clear	20	9.75
	Development	Complete				Need drum For Sampling						
	TOTALS/FINAL											

400 ml/min
2500
1400

RECOVERY

GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	7/6	7/12	7/12	
VOLUME	20	49	35	
DRUM #	62-5	60-11	62-5	

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW62-3

Needs Lock

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2032

WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC. | CLIENT: USACOE | WELL #: MW62-2

PROJECT: 15 SWMU ESI (SEAD-
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE:
PROJECT NO.:

DRILLING METHOD (s):
PUMP METHOD (s):
SURGE METHOD (s):
INSTALLATION DATE:

INSPECTOR:
CONTRACTOR:
CREW:
START DEVELOPMENT DATE:
END DEVELOPMENT DATE:

WATER DEPTH (TOC): ft
WELL DIA. (ID CASING): ft
BORING DIAMETER: ft

INSTALLED POW DEPTH(TOC): ft
MEASURED POW DEPTH(TOC): 11.26 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

.07
3

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = ______ GAL. = A

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = ______ GAL. = B

SINGLE STANDING WATER VOLUME = A + B = ______ GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C ______ GALS.

	DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
140 ml/min	7/18	pump	3.16	1505	1635	90	5.0	7.44	600	14.5	clear	27	10.5
							Complete						
	TOTALS/FINAL												

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	7/18			
VOLUME	5			
DRUM #	62-4			

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW62-2

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW62-2

PROJECT: 15 SWMU ESI (SEAD- 62
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 7/5/94
PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE: 6/27/94

INSPECTOR: KKS
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 7/5/94
END DEVELOPMENT DATE: ~~7/11~~ 7/18/94
Stickup 1.46

WATER DEPTH (TOC): 1.90 ft
WELL DIA. (ID CASING): 2" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(TOC): 9.8' ft
MEASURED POW DEPTH(TOC): 11.26' ft
SILT THICKNESS: 0.11' ft
POW AFTER DEVELOPMENT: 11.37' ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

9.36 x .163
STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.53 GAL. = A

STANDING WATER IN ANNULAR SPACE = 6.1 x (2.55 - .163) x .3
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 5.1 GAL. = B

SINGLE STANDING WATER VOLUME = A + B = ... 6.63 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... ______ GALS.

DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
7/5	Surge	1.90	1530	1550	20	4				Brown	~~Brown~~ 1000+	8.50
7/5	Pump 1st Vol	8.5	1600	1625	25	2	7.33	600	14.8	Brown		11.40 DRY
7/6	Surge 2nd Vol	2.1	0945	1005	20	2						
7/6	pump 2nd Vol	8.5	1010	1024	14	cont'd					Fix Pump	
7/6	pump #2	8.6	1030	1105	35	3.1	7.11	600	10.3	light Brown	100+	8.7
7/6	pump #3	8.7	1105	1205	1	3						8.4
7/6	pump #3	8.4	1245	1400	75	2	7.60	600	14.7	Brown	Pump Broke	
7/6	Surge ~~pump dry~~	8.4	1405	1420	15	1.5				Brown		Dry
7/12	surge/pump	2.47	~~0930~~ 0940	~~0940~~ 1100	10 ~~80~~	4.0	7.56	600	15.7	Dark Brown	1000+	Dry
7/13	pump	2.88	0840	0930	70	2.2	7.55	600	15.4	silty	100+	8.5
7/13	TOTAL ~~ESTIMATE~~ 96		0930	1030	60	1.8	7.57	600	13.4	dark silty	2000+	Dry

200 ml/min
200
200
360-240 ml
170 ml

RECOVERY
GOOD FAIR POOR

In Complete

INVESTIGATION DERIVED WASTE (IDW)

DATE	7/5	7/6	7/12	7-13
VOLUME	6	11.6	4	4
DRUM #	62-4	62-4	62-4	62-4

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW62-2

7/12 - recovery rate @ BOS = 40 ml/min

Needs Lock

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WELL DEVELOPMENT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	WELL #: MW63-3

PROJECT: 15 SWMU ESI (SEAD-63)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 6/26/94
PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE: 6/14/94

INSPECTOR: KKS
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 6/26
END DEVELOPMENT DATE: 6/27
Stickup - 1.4'

WATER DEPTH (TOC): 4.15 ft
WELL DIA. (ID CASING): 2.0" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(TOC): 8.1 ft
MEASURED POW DEPTH(TOC): 4.5 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

TSP
2.5

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8 / 8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61 / 2.95	3.30	4.08	4.93	5.87

5.35 x .163 =
STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 0.9 GAL. = A

STANDING WATER IN ANNULAR SPACE = 5.35 x (2.95 - .163) x .3
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 4.47 GAL. = B

SINGLE STANDING WATER VOLUME = A + B = ... 5.4 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 27 GALS.

Rate	DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
	6/26	Surge	4.15	1330	1350	20	5.0			~~2~~		dark Brown	7.35
	6/26	Pump 1st Vol	4.58	1445	1505	20	5.0	6.92	2100	16.2	dark Brown	1000+	9.00
	6/26	Pump 2nd Vol	9.00	1505	1525	20	4.5	6.84	2050	15.9	clear	17	9.10
500ml	6/26	Pump 3rd Vol	9.10	1525	1600	35	4.0	6.87	2000	16.3	clear	67	7.0
	6/26	Surge	6.40	1610	1625	15	2.0				dark brown		5.90
1500/650ml	6/26	Pump 4th Vol	5.90	1625	1640	15	4.5	6.95	2000	16.5	clear	24	9.10
480ml	6/26	Pump 5th Vol	9.18	1640	1710	30	4.5	6.83	2100	16.4	clear	27	7.60
500ml	6/27	surge/pump	3.42	0910 / 0945	0940 / 1005	20 / 20	surge 7.5 / 4.0	6.82	2000	16.2	clear	7	
500ml	6/29	surge/pump		1030 / 1040	1040 / 1110	10 / 30	3.0 / 5	6.89	2000	16.1	clear	20	7.55
							Complete						
		TOTALS/FINAL					~~44.5~~ 49						

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	6/26	6/27		
VOLUME	29.5	19.5		
DRUM #	#63-3	#63-3		

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW63-3

Note = Maintains 9.0' @ 680 ml/min
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No pressure cap

WELL DEVELOPMENT REPORT

ENGINEERING–SCIENCE, INC. | CLIENT: ACOE | WELL #: MW63-2

PROJECT: SEAD - 15 SWMU
LOCATION: SEAD - 63

DATE: 6/25/94
PROJECT NO.: 720518 ~~720~~

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE: 6/14/94

INSPECTOR: KKS
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 6/25
END DEVELOPMENT DATE: 2/26
Stickup = 1.46'

WATER DEPTH (TOC): 2.98 ft
WELL DIA. (ID CASING): 2.0" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(TOC): 8.1 ft
MEASURED POW DEPTH(TOC): 9.56 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

30
25

6.58 × .163 =
STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.07 GAL. = A

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 4.7 GAL. = B
(8.1 - 2.5) × (2.95 - .163) × .3   5.6 × 2.787 × .3

SINGLE STANDING WATER VOLUME = A + B = ... 5.8 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 29 GALS.

	ACTIVITY	Depth Start	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	OTHER	Depth End	Rate
6/25	Surge	2.98	1450	1515	25	5				Dark Brown			
	Pump 1st Vol.	3.22	1530	1550	20	5.8	6.97	660	15.7	Brown	1000+	6.80	
	Pump 2nd Vol	6.80	1550	1610	20	5.8	6.89	625	15.2	Brown	100+	7.80	90
	Pump 3rd Vol	7.80	1610	1630	20	5.8	6.93	630	15.3	Brown	100+	8.00	90
6/26	Pump 4th Vol	3.24	1244	1300	14	5.8	6.95	620	15.5	Light Brown	100+	7.7	100
	Pump 5th Vol	7.7	1300	1320	20	5.8	6.93	630	15.6	Light Brown	100+	7.82'	90
	Pump 6th Vol	7.82	1320	1345	25	5.8	6.89	600	15.4	Dark Brown	1000+	8.30	90
	Pump 7th Vol	8.2	1345	1410	25	5.8	6.98	600	15.3	milky clear	67	8.2	85
	Pump 8th Vol	8.2	1410	1430	20	4.0	7.02	600	15.4	clear	10	7.6	80
							Complete						
	TOTALS/FINAL					49.6							

COMMENTS: Maintains 7' water level @ 920 ml/min

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   WELL #: MW63-2

Waste Water: 6-25-94 • 22.4 gallons • #63-~~1~~2-W
6-26-94 • 27.2 gallons • #63-2-W

ver. 05–Nov–93   WELLDEV.WK1

WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: ACOE	WELL #: MW63-1

PROJECT: 15 SEAD SWMU
LOCATION: SEAD-63

DATE: 6/26/94
PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): peristaltic
SURGE METHOD (s): teflon bailer
INSTALLATION DATE: 6/14/94

INSPECTOR: ES
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 6/26/94
END DEVELOPMENT DATE: 6/27/94
Stickup = 1.6'

WATER DEPTH (TOC): 5.98 ft
WELL DIA. (ID CASING): 2" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~TOC~~) GS: 8.5 ft
MEASURED POW DEPTH(TOC): 10.06 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

4.1 TSR
.98 V
SC 9.1
10.06

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = .7 GAL. = A
(10.06 - 5.98) = 4.08   4.08 x .163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = 3.4 GAL. = B
4.08 x (2.95 - .163) .3 =

SINGLE STANDING WATER VOLUME = A + B = ... 4.1 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 20.5 GALS.

date	ACTIVITY	Start H_2O	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity NTU ~~OTHER~~	Ending H_2O Depth
6/26	Surging	5.98	4:15	4:35	20 min.	3+1				Dark Brown		8.10
6/27	surge	6.00	0830	0900	30	3.5				"		10.00
6/27	3 surges	6.48	0950	1100	3x 10min	4.25				"		10.00
6/27	pump	6.55	1140	1240	60	4.1	7.28	410	13.3	clear	11.0	
6/27	pump	8.40	1255	1355	60	3.0	7.19	390	12.6	clear	16.0	8.40
							Complete					
TOTALS/FINAL						18.85						

1.25
1.5
~20 ml/min

~~COMMENTS~~:
Recovery
GOOD FAIR POOR

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: ________

Waste
Date 6/26 6/27
Volume 4 14.85
Drum # 63-4-W 63-4-W

ver. 05-Nov-93 WELLDEV.WK1

Needs well caps!

WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC. | CLIENT: USACOE | WELL #: MW64D-4

PROJECT: 15 SWMU BSI (SEAD- 64D)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 6/27/94
PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): peristaltic
SURGE METHOD (s): teflon bailer
INSTALLATION DATE: 6/20/94

INSPECTOR: ES
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 6/27/94
END DEVELOPMENT DATE: 6/27/94
stickup = 1.62

WATER DEPTH (TOC): 7.94 ft
WELL DIA. (ID CASING): 2" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(TOC): 9.6 ft
MEASURED POW DEPTH(TOC): 11.22 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: 11.22 ft

4.87 TSP
7.94 ▽
9.12 BSC
11.22 POW

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = .5 GAL. = A
(11.22 - 7.94) .163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 2.7 GAL. = B
11.22 - 7.94 = 3.28   3.28 (2.95 - .163) .3 =

SINGLE STANDING WATER VOLUME = A + B = ... 3.2 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 16 GALS.

Flow Rate 540 ml/m

DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
6/27	surging	7.94	9:00	9:25		5					1000+	8.36
	2nd vol.	7.97	9:30	10:05		3.2	7.14	500	13°C	clear	3.02	8.30
	3rd vol.	8.30	10:05	10:25		3.2	7.14	500	13°C	clear	5.46	8.32
	surge	8.32	10:30	10:40		4					1000+ *	8.52
	4th vol.	8.38	10:41	11:00		3.2	7.09	500	13°C	clear	4.44	8.42
	5th vol.	8.42	11:00	11:15		3.2	7.09	500	12°C	clear	1.41	8.36
	TOTALS/FINAL					21.8						

RECOVERY
GOOD FAIR POOR

* Turbidity reading
begin of pumping after surge # 2 130.0
after 1 gal pumped 20.9
after 1 vol. (3.2 gal) 4.44

INVESTIGATION DERIVED WASTE (IDW)

DATE	6/27			
VOLUME	21.8			
DRUM #	~~64D-7W~~ 64D-	13 W		

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW64D-4

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WELL DEVELOPMENT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: AcoE	WELL #: MW64D-3

PROJECT: SEAD - 15 SWMU
LOCATION: SEAD - 64D
DATE: 6-27-94
PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE:

INSPECTOR: KKS
CONTRACTOR: –
CREW: –
START DEVELOPMENT DATE: 6-27-94
END DEVELOPMENT DATE: 6-27-94

WATER DEPTH (TOC): 3.72' ft
WELL DIA. (ID CASING): 2.0" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(TOC): ft
MEASURED POW DEPTH(TOC): 9.22 ft
SILT THICKNESS: 0 ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

5.5 - .163

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = .9 GAL. = A

4.0 x 2.787 x .3

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 3.34 GAL. = B

SINGLE STANDING WATER VOLUME = A + B = ... 4.25 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 21.25 GALS.

ACTIVITY	Start Depth	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	NTU OTHER	Stop Depth
Surge	3.72 ~~4.25~~	1445	1505	20	5				Dark Brown	1000+	5.5
Pump	4.20	1515	1535	20	5	7.20	500	14.1	Silty	100+	5.0
Pump	4.50	1540	1550	10	5	7.37	500	14.5		6.0	4.5
Surge		1535	1605	10	5				Dark Brown	1000+	4.7
Pump	4.7	1605	1625	20	5	7.49	500	13.9	silty	100+	4.8
Pump	4.8	1625	1435	10	5	7.38	490	13.6	clear	3.3	4.9
Pump	4.9	1435	1455	20	5	7.30	500	13.5	clear	12	4.7
							Complete				
TOTALS/FINAL					35						

COMMENTS:

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW64D-3

Waste
Date 6/27
Volume 35
Drum # 64D-3

Note - no pressure cap

ver. 05–Nov–93

WELLDEV.WK1

WELL DEVELOPMENT REPORT

ENGINEERING–SCIENCE, INC.	CLIENT: USACOE	WELL #: MW64D-2
PROJECT: 15 SWMU ESI (SEAD- 64D		DATE: 6/28/94
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY		PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): peristaltic
SURGE METHOD (s): teflon bailer
INSTALLATION DATE: 6/22/94

INSPECTOR: ES
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 6/28/94
END DEVELOPMENT DATE: 6/28/94
stickup = 1.34 ft

(measured 6/28 after rain)

WATER DEPTH (TOC): (4.05) 5.58 ft
WELL DIA. (ID CASING): 2" ~~ft~~
BORING DIAMETER: 8.5" ~~ft~~

INSTALLED POW DEPTH(~~TOC~~ GS): 9.0 ft
MEASURED POW DEPTH(TOC): 10.34 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: 10.36 ft

4.14 — TSC
5.58 — ▽
10.34

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

Values in parentheses are for ▽ at 4.05. Using TSC at 4.14

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 0.8 (1.0) GAL. = A
(10.34 − 5.58) = 4.76   4.76 x .163
using 4.05' ▽ (10.34 − 4.05 = 6.29) 6.29 x .163

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR − WELL DIAM. FACTOR) X 0.3 = 4 (5.2) GAL. = B
4.76 (2.95 − .163) .3
6.29 x 2.787 x .3

SINGLE STANDING WATER VOLUME = A + B = ... 4.8 (6.2) GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 24 (30) GALS.

Flow Rate	DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
	6/28	surging	4.05	9:55	10:15	20 min	3						4.26
.720		1st vol cont.	4.10	10:30	10:50	20 min.	3	7.23	475	15°C	lt. brn.	1000 +	4.44
720		2nd vol.	4.44	10:50	11:20	30 min.	6	7.24	475	14.5°C	clearing	9.1	4.46
		3rd vol	4.46	11:20	11:25	5 min	1						
	~~4th vol~~	Surge # 2	4.14	11:30	11:50	20 min	6						4.16
	4th	4th vol.	4.48	11:50	12:15	25 min	6	7.24	475	15°C	cloudy	212	4.46
	5th	5th vol.	4.46	12:15	12:40	25 min	6	7.23	450	14°C	clear	6.85	4.48
		6th vol.	4.48	12:40	13:05	25 min	6	7.20	450	14°C	clear	2.54	4.46
	TOTALS/FINAL						37						

RECOVERY
GOOD FAIR POOR
after rain

INVESTIGATION DERIVED WASTE (IDW)				
DATE	6/28			
VOLUME	37			
DRUM #	640-9W			

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS   WELL #: MW64D-2

WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW64D-1

PROJECT: 15 SWMU ESI (SEAD- 64D
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY
DATE: 6/23/94
PROJECT NO.:

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE: 3/28/94

INSPECTOR: KKS
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 6/23
END DEVELOPMENT DATE: 6/25

WATER DEPTH (TOC): 4.71 ft
WELL DIA. (ID CASING): 2.0" ft
BORING DIAMETER: 8.5" ft

stickup = 1.0'
INSTALLED POW DEPTH(~~TOC~~ G.S.): 5.25 ft
MEASURED POW DEPTH(TOC): 6.24 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

1.53 x .163
STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = .25 GAL. = A

STANDING WATER IN ANNULAR SPACE = 1.53 x (2.95 - .163) x .3
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = 1.28 GAL. = B

27 - 6/24
- ; rain
-way at times

SINGLE STANDING WATER VOLUME = A + B = ... 1.53 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 7.65 GALS.

3x = 4.6

	DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
	6/23	surge	4.71 ~~6.24~~ (TOC)	1430	1450	20	1 gal				Dark Brown	1000+	6.1 DRY
	6/25	surge	3.88	1107	1122	15	1.5 gal				Light Brown	1000+	6.0 Dry
60 ml/min	6/25	pump 1st (2)	4.30	1200	1220	20	1.5	7.43	700	16.0	~~Brown~~ Light clear	23.0	6.3 Dry
85 ml/min	6/25	pump 2nd	5.30 ~~4.20~~	1230	1305	35	1.5	7.42	675	15.8	clear	14.0	6.0
50 ml/min	6/25	pump 3rd	5.5	1315	1345	30	1.5	7.45	700	15.9	clear	2.5	5.6
							Complete						
		TOTALS/FINAL					7						

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	6/23	6/25
VOLUME	1 gal	6 gals
DRUM #	64D-3	63-2

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW64D-1

6/25 Recovers 0.1' / 20 sec
0.3' / 1 min @ 5.5'
.1 / 2 min @ 4.9

Note: needs Stamp

H:\ENG\SENECA\15SWMU\FIELDFMS\WELLDEV.WK3

Guard Pipe: 1.6' AGS PVC pipe: 1.25' AGS

WELL DEVELOPMENT REPORT

MW64 C-9

ENGINEERING-SCIENCE, INC. | CLIENT: USACOE | WELL #: MW-9

PROJECT: 15 SWMU ESI (SEAD- 64C)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 7/6/94
PROJECT NO.:

DRILLING METHOD (s): N/A
PUMP METHOD (s): Bailer/Peristaltic
SURGE METHOD (s): Bailer
INSTALLATION DATE: N/A

INSPECTOR: JWC/ABS
CONTRACTOR: ES
CREW: —
START DEVELOPMENT DATE: 7/6/94
END DEVELOPMENT DATE: 7/6/94

WATER DEPTH (TOC): 2.18 ft
WELL DIA. (ID CASING): 2 inch
BORING DIAMETER: N/A ft

INSTALLED POW DEPTH(TOC): N/A ft
MEASURED POW DEPTH(TOC): 16.2 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN (14.02) X WELL DIAMETER FACTOR (0.163) = 2.3 GAL. = A

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) (Unknown) X (BORING DIAM. FACTOR (Unknown 2.95) – WELL DIAM. FACTOR (0.163)) X 0.3 = 7.8 GAL. = B

SINGLE STANDING WATER VOLUME = A + B = (9.3) .... 10.10 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 50.5 GALS.

DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
7-6	Surge	2.18	0810	0815	5	1				Silt	>200	6.9
7-6	Purge 1st	6.9	0815	0850	35	5	7.13	680 µmoh	13.7	Silt	>200	6.6
7-6	Purge 1st	6	0850	910	20	4.1	7.61	690 µmoh	12.6	Silt	36.2	
7-6	Purge 2nd	8.04	0910	1030	1h20min	10.1	7.38	680 µmoh	12.5	Clear	7.63	8.02
7-6	Purge 3rd	8.02	1030	1140	1h10min	10.1	~~6.97~~	695	12.6	Clear	3.23	8.00
7-6	~~Purge 4th~~	8.0	~~1140~~				7.2	~~680 µmoh~~	~~12.5~~	~~Clear~~		
7-6	Purge 4th	8.0	1140	1310	1h30min	10.1	6.84	700	13.0	Clear	4.43	8.1
TOTALS/FINAL						40.4						

Pumped @ 450 ml/min
Pumped @ 480

RECOVERY
GOOD FAIR POOR

INVESTIGATION DERIVED WASTE (IDW)

DATE	7/6				
VOLUME	46				
DRUM #	64-C-3W				

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

Note: Well installed prior to 15 SWMU ESI, well installation form not available (N/A).

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW-8 SEAD64-C

PROJECT: 15 SWMU ESI (SEAD- 64C
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY
DATE: 7-13-94
PROJECT NO.: 720518

17.15
.3

17.04

T OSC
11.2
TOS
10.2
Bn

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE: Unknown

INSPECTOR: KKS
CONTRACTOR:
CREW:
START DEVELOPMENT DATE: 7/13/94
END DEVELOPMENT DATE: 7/18/94

WATER DEPTH (TOC): 10.99 ft
WELL DIA. (ID CASING): 2" ft
BORING DIAMETER: 8.5 ft

INSTALLED POW DEPTH(TOC): N/A ft
MEASURED POW DEPTH(TOC): 17.04 ft
SILT THICKNESS: ? Very Hard ft
POW AFTER DEVELOPMENT: 17.45 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

6.05 x .163 =

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.0 GAL. = A

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 5.88 GAL. = B
7 x 2.79 x .3

SINGLE STANDING WATER VOLUME = A + B = ... 6.9 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 35 GALS.

DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
7/13	Surge	10.99	1100	1120	20	4				Reddish Brown	1000+	11.25
7/13	Pump	11.0	1135	1145	10	3	6.87	700	12.0	reddish silt	1000+	13.5
7/13	~~Pump~~ Surge	13.5	1320	1344	24	7	7.36	730	12.5	light silt	+ 37.00	16.5
7/13	Surge/pump	16.5	1340	1410	30	8	7.14	650	12.2	light silt	59	12.5
7/13	pump	12.5	1410	1420	10	5						
7/18	surge/pump	12.32	0930	1010	40	7.0	7.58	620	11.8	silty	100+	17.0 DRY
7/18	pump	16.0	1010	1050	40	6.0	7.70	650	12.3	clear	15	16.0
						Complete						
TOTALS/FINAL												

RECOVERY: GOOD FAIR POOR
Caked Silt + Course Sand still on bottom of well. Avoid hitting bottom with bailer while Sampling

INVESTIGATION DERIVED WASTE (IDW)

DATE	7-13	7-18
VOLUME	27	13
DRUM #	64C-6	64C-6

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #:

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT: USACOE	WELL #: MW-7 (64C)

PROJECT: 15 SWMU ESI (SEAD-64C)
LOCATION: SENECA ARMY DEPOT, ROMULUS, NY

DATE: 7/9/94
PROJECT NO.: 720518

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Teflon Bailer
INSTALLATION DATE: N/A

INSPECTOR: JWC/AS
CONTRACTOR: Engineering-Science
CREW: JWC/AS
START DEVELOPMENT DATE: 7/9/94
END DEVELOPMENT DATE: 7/18/94

WATER DEPTH (TOC): 2.89 (3.64) ft
WELL DIA. (ID CASING): 2" ft
BORING DIAMETER: 8.5" ft
4 ft screen

INSTALLED POW DEPTH(TOC): ft
MEASURED POW DEPTH(TOC): 14.9 ft
SILT THICKNESS: ? Very Hard ft
POW AFTER DEVELOPMENT: 14.54 ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 1.96 GAL. = A (1.8)

STANDING WATER IN ANNULAR SPACE =
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR – WELL DIAM. FACTOR) X 0.3 = 6.6 GAL. = B (4.2)
14.9 − 7 = (7.9) x (2.95 − .163) x (0.3)

SINGLE STANDING WATER VOLUME = A + B = 1.96 + 6.6 ~8.6 GAL. = C (6.0)

MINIMUM VOLUME TO BE REMOVED = 5 X C 8.6 x 5 43 GALS. (30)
6 x 3 = (18)

DATE	ACTIVITY	STARTING H2O DEPTH	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	Turbidity (NTU)	Ending Water Depth
7/9/94	PURGE 1st	2.89	1330	1430	60 min	8.6	7.94	450	14.3	MURKY	N/A	PUMPED TO NEAR DRYNESS
7/9/94	Purge 2nd	2.92	1455	1705	10 min	4.0	–	–	–	murky	7200	DRY
7/18	Surge	3.64	1130	1140	10	2.0					1000+	DRY
7/18	Surge + Pump	5.60	1300	1335	35	3.0	7.11	420	13.9	silty	100+	13.0
7/18	Pump	13.0	1335	1420	45	2.0	7.31	440	14.7	clear	35	13.5
						Complete						
TOTALS/FINAL												

RECOVERY
GOOD FAIR POOR

Sand + Silt still caked on Bottom.

INVESTIGATION DERIVED WASTE (IDW)

DATE	7/9/94	7/18/94
VOLUME	12.6	7.0
DRUM #	64C-7	64C-7

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW-7

No Lock or Pressure Cap – 7/18

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WELL DEVELOPMENT REPORT

ENGINEERING-SCIENCE, INC.	CLIENT:	WELL #: MW-6 (64C)
PROJECT: 15 SWMU Investigation		DATE: 7/9/94
LOCATION: Rumm(W) , N9		PROJECT NO.: 720518-01000

DRILLING METHOD (s): HSA
PUMP METHOD (s): Peristaltic
SURGE METHOD (s): Bailer
INSTALLATION DATE: unknown

INSPECTOR: JWC/AS
CONTRACTOR: ES
CREW: JWC/ES
START DEVELOPMENT DATE: 7/9/94
END DEVELOPMENT DATE: 7/9/94

WATER DEPTH (TOC): 2.68 ft
WELL DIA. (ID CASING): 2" ft
BORING DIAMETER: 8.5" ft

INSTALLED POW DEPTH(TOC): unknown ft
MEASURED POW DEPTH(TOC): 23.51 ft
SILT THICKNESS: ft
POW AFTER DEVELOPMENT: ft

DIAMETER FACTORS (GAL/FT):

DIAMETER (IN):	2	3	4	5	6	7	8	8.5	9	10	11	12
GALLONS/FT:	0.163	0.367	0.654	1.02	1.47	2.00	2.61	2.95	3.30	4.08	4.93	5.87

STANDING VOLUME INSIDE WELL = WATER COLUMN X WELL DIAMETER FACTOR = 3.4 GAL. = A

STANDING WATER IN ANNULAR SPACE = (20.83) x (.163)
WATER COL. BELOW SEAL(ft) X (BORING DIAM. FACTOR - WELL DIAM. FACTOR) X 0.3 = 15.47 GAL. = B
(18.51) (2.95 - .163) (.3)

SINGLE STANDING WATER VOLUME = A + B = ... 18.87 GAL. = C

MINIMUM VOLUME TO BE REMOVED = 5 X C .... 94.4 GALS.

ACTIVITY	START TIME	END TIME	ELAPSED TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP	COLOR	OTHER
PURGE w/Silt Removal	1455	1543	48 min	19	7.89	465	11.2	Clear	WD = 7.7 NTU = 2.84
Purge 2nd Vol	1543	1610	27 min	19	7.89	475	11.3	Clear	WD = 8.88 NTU = 5.05
Purge 3rd Vol	1610	1640	30 min	19	8.04	475	11.3	Clear	WD [illegible].06 NTU = 3.11
TOTALS/FINAL	1455	1640	105	57	8.04	475	11.3	Clear	NTU = 3.11

COMMENTS: Drum # 64C-4-W
Volume - 19 gallons

SEE MASTER ACRONYM LIST FOR COMPLETE LISTING OF ABBREVIATIONS WELL #: MW-6

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ver. 05-Nov-93 WELLDEV.WK1

APPENDIX E

ANALYTICAL RESULTS

- SEAD-60
- SEAD-62
- SEAD-63
- SEAD-64(A,B,C,D)
- SEAD-67
- SEAD-70
- SEAD-71
- QC Rinsates and Trip Blanks

SEAD-60

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	0-0.2	0-0.2	0-2	2-4	2-4	0-0.2	0-0.2	0-0.2	0-0.2	2-4
	SAMPLE DATE	05/27/94	05/27/94	02/28/94	02/28/94	02/28/94	06/07/94	06/07/94	06/07/94	06/07/94	06/08/94
	ES ID	SB60-1-00	SB60-1-20	SB60-1.01	SB60-1.02	SB60-1.20	SB60-2-00	SB60-2-20	SB60-2-20RE	SB60-2-00RE	SB60-2-0:
	LAB ID	222473	222475	212883	212884	212886	223339	223342	223342	223339	223513
	SDG NUMBER	44410	44410	42510	42510	42510	44410	44665	44665	44410	44694
	UNITS		SB60-1-00DUP			SB60-1.02DUP		SB60-2-00DUP	SB60-2-00DUP		
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Bromomethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Vinyl Chloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Chloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Methylene Chloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	2 J	27 J	11 UJ	11 U
Acetone	ug/Kg	12 U	12 U	11 U	11 U	11 U	160 J	12 UJ	49 UJ	170 J	11 U
Carbon Disulfide	ug/Kg	12 U	12 U	11 U	11 U	11 U	1 J	11 UJ	49 UJ	11 UJ	11 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Chloroform	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
2-Butanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	20 J	11 UJ	49 UJ	26 J	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Bromodichloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Trichloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Dibromochloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Benzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Bromoform	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
2-Hexanone	ug/Kg	12 U	12 U	11 U	11 U	1 J	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Tetrachloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Toluene	ug/Kg	12 U	12 U	11 U	11 U	11 U	6 J	13 J	5 J	13 J	2 J
Chlorobenzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Ethylbenzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	2 J	2 J	49 UJ	4 J	11 U
Styrene	ug/Kg	12 U	12 U	11 U	11 U	11 U	11 UJ	11 UJ	49 UJ	11 UJ	11 U
Xylene (total)	ug/Kg	12 U	12 U	11 U	11 U	11 U	5 J	11 UJ	49 UJ	9 J	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	0-0.2	0-0.2	0-2	2-4	2-4	0-0.2	0-0.2	0-0.2	0-0.2	2-4
	SAMPLE DATE	05/27/94	05/27/94	02/28/94	02/28/94	02/28/94	06/07/94	06/07/94	06/07/94	06/07/94	06/08/94
	ES ID	SB60-1-00	SB60-1-20	SB60-1.01	SB60-1.02	SB60-1.20	SB60-2-00	SB60-2-20	SB60-2-20RE	SB60-2-00RE	SB60-2-0:
	LAB ID	222473	222475	212883	212884	212886	223339	223342	223342	223339	223513
	SDG NUMBER	44410	44410	42510	42510	42510	44410	44665	44665	44410	44694
	UNITS		SB60-1-00DUP			SB60-1.02DUP		SB60-2-00DUP	SB60-2-00DUP		
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
bis(2-Chloroethyl) ether	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Chlorophenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,3-Dichlorobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,4-Dichlorobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,2-Dichlorobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Methylphenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Methylphenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
N-Nitroso-di-n-propylamine	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Hexachloroethane	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Nitrobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Isophorone	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Nitrophenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4-Dimethylphenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
bis(2-Chloroethoxy) methane	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4-Dichlorophenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
1,2,4-Trichlorobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Naphthalene	ug/Kg	390 U	38 J	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Chloroaniline	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Hexachlorobutadiene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Chloro-3-methylphenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Methylnaphthalene	ug/Kg	390 U	390 U	370 U	370 U	390 U	1100 J	14000 U			360 U
Hexachlorocyclopentadiene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4,6-Trichlorophenol	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4,5-Trichlorophenol	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
2-Chloronaphthalene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2-Nitroaniline	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Dimethylphthalate	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Acenaphthylene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
2,6-Dinitrotoluene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
3-Nitroaniline	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Acenaphthene	ug/Kg	390 U	59 J	370 U	370 U	390 U	18000 U	1400 J			360 U
2,4-Dinitrophenol	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
4-Nitrophenol	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Dibenzofuran	ug/Kg	390 U	29 J	370 U	370 U	390 U	18000 U	14000 U			360 U
2,4-Dinitrotoluene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Diethylphthalate	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Chlorophenyl-phenylether	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Fluorene	ug/Kg	390 U	48 J	370 U	370 U	390 U	18000 U	1300 J			360 U
4-Nitroaniline	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
4,6-Dinitro-2-methylphenol	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
N-Nitrosodiphenylamine	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
4-Bromophenyl-phenylether	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Hexachlorobenzene	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Pentachlorophenol	ug/Kg	940 U	940 U	910 U	910 U	950 U	44000 U	35000 U			870 U
Phenanthrene	ug/Kg	140 J	570 J	25 J	370 U	390 U	5100 J	8900 J			360 U
Anthracene	ug/Kg	26 J	98 J	370 U	370 U	390 U	18000 U	2000 J			360 U
Carbazole	ug/Kg	390 U	79 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Di-n-butylphthalate	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	1500 J			360 U
Fluoranthene	ug/Kg	480 J	1100 J	33 J	370 U	390 U	7300 J	14000 J			27 J
Pyrene	ug/Kg	350 J	700 J	31 J	37 J	27 J	10000 J	27000 J			27 J
Butylbenzylphthalate	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
3,3'-Dichlorobenzidine	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Benzo(a)anthracene	ug/Kg	200 J	340 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Chrysene	ug/Kg	250 J	400	370 U	370 U	390 U	18000 U	17000 J			18 J
bis(2-Ethylhexyl)phthalate	ug/Kg	42 J	54 J	370 U	370 U	380 J	18000 U	14000 U			360 U
Di-n-octylphthalate	ug/Kg	390 U	390 U	370 U	370 U	390 U	18000 U	14000 U			360 U
Benzo(b)fluoranthene	ug/Kg	310 J	730 J	370 U	370 U	390 U	18000 U	16000 J			360 U
Benzo(k)fluoranthene	ug/Kg	190 J	390 UJ	370 U	370 U	390 U	18000 U	14000 UJ			360 U
Benzo(a)pyrene	ug/Kg	230 J	350 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Indeno(1,2,3-cd)pyrene	ug/Kg	150 J	220 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Dibenz(a,h)anthracene	ug/Kg	91 J	110 J	370 U	370 U	390 U	18000 U	14000 U			360 U
Benzo(g,h,i)perylene	ug/Kg	220 J	190 J	370 U	370 U	390 U	18000 U	14000 U			360 U

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	0-0.2	0-0.2	0-2	2-4	2-4	0-0.2	0-0.2	0-0.2	0-0.2	2-4
	SAMPLE DATE	05/27/94	05/27/94	02/28/94	02/28/94	02/28/94	06/07/94	06/07/94	06/07/94	06/07/94	06/08/94
	ES ID	SB60-1-00	SB60-1-20	SB60-1.01	SB60-1.02	SB60-1.20	SB60-2-00	SB60-2-20	SB60-2-20RE	SB60-2-00RE	SB60-2-0:
	LAB ID	222473	222475	212883	212884	212886	223339	223342	223342	223339	223513
	SDG NUMBER	44410	44410	42510	42510	42510	44410	44665	44665	44410	44694
COMPOUND	UNITS		SB60-1-00DUP			SB60-1.02DUP		SB60-2-00DUP	SB60-2-00DUP		
PESTICIDES/PCB											
alpha-BHC	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	5 J			1.8 U
beta-BHC	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
delta-BHC	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
gamma-BHC (Lindane)	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
Heptachlor	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
Aldrin	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	16 J	14 J			1.8 U
Heptachlor epoxide	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.4 U	9.2 U			1.8 U
Endosulfan I	ug/Kg	3.2 J	2.2 J	1.9 U	1.9 U	2 U	31 J	34 J			1.8 U
Dieldrin	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
4,4'-DDE	ug/Kg	110 J	57 J	2.7 J	3.7 U	3.9 U	26 J	31 J			3.6 U
Endrin	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
Endosulfan II	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
4,4'-DDD	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	49 J	55 J			3.6 U
Endosulfan sulfate	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
4,4'-DDT	ug/Kg	84 J	8.7 J	3.7 U	3.7 U	3.9 U	130 J	100			3.6 U
Methoxychlor	ug/Kg	40 UJ	20 UJ	19 U	19 U	20 U	94 U	92 U			18 U
Endrin ketone	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	14 J	13 J			3.6 U
Endrin aldehyde	ug/Kg	7.8 UJ	3.9 UJ	3.7 U	3.7 U	3.9 U	18 U	18 U			3.6 U
alpha-Chlordane	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	27 J	26 J			1.8 U
gamma-Chlordane	ug/Kg	4 UJ	2 UJ	1.9 U	1.9 U	2 U	9.8 J	10 J			1.8 U
Toxaphene	ug/Kg	400 UJ	200 UJ	190 U	190 U	200 U	940 U	920 U			180 U
Aroclor-1016	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	180 U			36 U
Aroclor-1221	ug/Kg	160 UJ	79 UJ	76 U	76 U	80 U	370 U	360 U			73 U
Aroclor-1232	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	180 U			36 U
Aroclor-1242	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	970 J			36 U
Aroclor-1248	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	2100 J	180 U			36 U
Aroclor-1254	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	180 U	180 U			36 U
Aroclor-1260	ug/Kg	78 UJ	39 UJ	37 U	37 U	39 U	4400 J	3400			36 U
METALS											
Aluminum	mg/Kg	10700	10800	8440	13300	10500	9300	9420			6850 J
Antimony	mg/Kg	0.28 J	0.28 UJ	0.43 J	0.36 J	0.2 UJ	1.8 J	0.27 J			0.29 J
Arsenic	mg/Kg	5.3	5.1	4.1 J	6.2 J	4.7 J	8.1	5.5			4.6
Barium	mg/Kg	71.5	77.6	98.3	85.8	68.6	679	575			71.7 J
Beryllium	mg/Kg	0.46 J	0.47 J	0.43 J	0.67 J	0.49 J	0.38 J	0.42 J			0.26 J
Cadmium	mg/Kg	0.58 J	0.43 J	0.36 J	0.27 J	0.24 J	2	1.2			0.32 J
Calcium	mg/Kg	65800	63600	75100	39500	64000	56200	45900 J			90900 J
Chromium	mg/Kg	17.7	18.3	14.2	19.4	16.6	18.8	16			12 J
Cobalt	mg/Kg	9.6	9.4 J	8.3 J	10.8	9.7 J	9.5 J	7.5 J			8.1 J
Copper	mg/Kg	24.9	23	21.3	21.7	20.8	190	112			16.6 J
Iron	mg/Kg	22000	22800	18900	23900	21000	22800	16200			15600 J
Lead	mg/Kg	17.1	14.2	47.5 J	12.6 J	9.4 J	66.7	36.3			7.2
Magnesium	mg/Kg	13300	12200	11300	10400	17200	9150	12200			25400 J
Manganese	mg/Kg	422	377	333	360	431	317	305			536 J
Mercury	mg/Kg	0.06 J	0.05 J	0.08 J	0.03 J	0.02 J	0.03 J	0.01 U			0.03 J
Nickel	mg/Kg	30.9	30.2	23.5	29.1	27.7	29.5	23			23.5 J
Potassium	mg/Kg	1830 J	1920 J	1470	1620	1820	1670 J	1770 J			1860
Selenium	mg/Kg	0.43 U	0.58 U	0.32 U	0.31 U	0.34 U	1.5 J	0.86 J			0.54 U
Silver	mg/Kg	0.08 UJ	0.11 UJ	0.13 U	0.13 U	0.14 U	0.1 UJ	0.08 UJ			0.1 UJ
Sodium	mg/Kg	93.4 J	105 J	75 J	99.8 J	129 J	127 J	106 J			119 J
Thallium	mg/Kg	0.3 U	0.41 U	0.25 U	0.14 U	0.26 U	0.39 U	0.31 U			0.38 U
Vanadium	mg/Kg	17.9	18.6	14.8	21.9	17	21.2	18.1			13.7 J
Zinc	mg/Kg	85	79.7	58.6	80.7	101	569	415			43.7 J
Cyanide	mg/Kg	0.58 U	0.48 U	0.52 U	0.52 U	0.59 U	0.48 U	0.51 U			0.48 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg	30 U	87 J	29 U	87 J	27 U	208000	218000			283
Total Solids	%W/W	85.4	65.2	88.4	87.7	83.8	90.1	92.5			91.8

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	6-8	6-8	0-0.2	4-6	6-8
	SAMPLE DATE	06/07/94	06/07/94	06/08/94	06/08/94	06/08/94
	ES ID	SB60-2-04	SB60-2-04RE	SB60-3.00	SB60-3.03	SB60-3.04
	LAB ID	223340	223340	223499	223500	223501
	SDG NUMBER	44665	44665	44665	44665	44665
	UNITS					
VOLATILE ORGANICS						
Chloromethane	ug/Kg	11 U R		14 U	11 U	11 U
Bromomethane	ug/Kg	11 U R		14 U	11 U	11 U
Vinyl Chloride	ug/Kg	11 U R		14 U	11 U	11 U
Chloroethane	ug/Kg	11 U R		14 U	11 U	11 U
Methylene Chloride	ug/Kg	3 J		21	54	1 J
Acetone	ug/Kg	11 U R		14 U	11 U	11 U
Carbon Disulfide	ug/Kg	11 U R		14 U	11 U	2 J
1,1-Dichloroethene	ug/Kg	11 U R		14 U	11 U	11 U
1,1-Dichloroethane	ug/Kg	11 U R		14 U	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U R		14 U	11 U	11 U
Chloroform	ug/Kg	11 U R		14 U	11 U	11 U
1,2-Dichloroethane	ug/Kg	11 U R		14 U	11 U	11 U
2-Butanone	ug/Kg	11 U R		14 U	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U R		14 U	11 U	11 U
Carbon Tetrachloride	ug/Kg	11 U R		14 U	11 U	11 U
Bromodichloromethane	ug/Kg	11 U R		14 U	11 U	11 U
1,2-Dichloropropane	ug/Kg	11 U R		14 U	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U R		14 U	11 U	11 U
Trichloroethene	ug/Kg	11 U R		14 U	11 U	11 U
Dibromochloromethane	ug/Kg	11 U R		14 U	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U R		14 U	11 U	11 U
Benzene	ug/Kg	11 U R		14 U	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U R		14 U	11 U	11 U
Bromoform	ug/Kg	11 U R		14 U	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U R		14 U	11 U	11 U
2-Hexanone	ug/Kg	11 U R		14 U	11 U	11 U
Tetrachloroethene	ug/Kg	3 J		14 U	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U R		14 U	11 U	11 U
Toluene	ug/Kg	2 J		14 U	11 U	11 U
Chlorobenzene	ug/Kg	11 U R		14 U	11 U	11 U
Ethylbenzene	ug/Kg	11 U R		14 U	11 U	11 U
Styrene	ug/Kg	11 U R		14 U	11 U	11 U
Xylene (total)	ug/Kg	11 U R		14 U	11 U	11 U
HERBICIDES						
2,4-D	ug/Kg					
2,4-DB	ug/Kg					
2,4,5-T	ug/Kg					
2,4,5-TP (Silvex)	ug/Kg					
Dalapon	ug/Kg					
Dicamba	ug/Kg					
Dichloroprop	ug/Kg					
Dinoseb	ug/Kg					
MCPA	ug/Kg					
MCPP	ug/Kg					
NITROAROMATICS						
HMX	ug/Kg					
RDX	ug/Kg					
1,3,5-Trinitrobenzene	ug/Kg					
1,3-Dinitrobenzene	ug/Kg					
Tetryl	ug/Kg					
2,4,6-Trinitrotoluene	ug/Kg					
4-amino-2,6-Dinitrotoluene	ug/Kg					
2-amino-4,6-Dinitrotoluene	ug/Kg					
2,6-Dinitrotoluene	ug/Kg					
2,4-Dinitrotoluene	ug/Kg					

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	6-8	6-8	0-0.2	4-6	6-8
	SAMPLE DATE	06/07/94	06/07/94	06/08/94	06/08/94	06/08/94
	ES ID 2	SB60-2-04	SB60-2-04RE	SB60-3.00	SB60-3.03	SB60-3.04
	LAB ID	223340	223340	223499	223500	223501
	SDG NUMBER	44665	44665	44665	44665	44665
	UNITS					
SEMIVOLATILE ORGANICS						
Phenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
bis(2-Chloroethyl) ether	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2-Chlorophenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
1,3-Dichlorobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
1,4-Dichlorobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
1,2-Dichlorobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2-Methylphenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Methylphenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
N-Nitroso-di-n-propylamine	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Hexachloroethane	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Nitrobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Isophorone	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2-Nitrophenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,4-Dimethylphenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
bis(2-Chloroethoxy) methane	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,4-Dichlorophenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
1,2,4-Trichlorobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Naphthalene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Chloroaniline	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Hexachlorobutadiene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Chloro-3-methylphenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2-Methylnaphthalene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Hexachlorocyclopentadiene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,4,6-Trichlorophenol	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,4,5-Trichlorophenol	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
2-Chloronaphthalene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2-Nitroaniline	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
Dimethylphthalate	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Acenaphthylene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,6-Dinitrotoluene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
3-Nitroaniline	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
Acenaphthene	ug/Kg	350 U	32 J	2200 U	350 U	350 U
2,4-Dinitrophenol	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
4-Nitrophenol	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
Dibenzofuran	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
2,4-Dinitrotoluene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Diethylphthalate	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Chlorophenyl-phenylether	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Fluorene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Nitroaniline	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
4,6-Dinitro-2-methylphenol	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
N-Nitrosodiphenylamine	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
4-Bromophenyl-phenylether	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Hexachlorobenzene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Pentachlorophenol	ug/Kg	850 U	850 UJ	5400 U	860 U	850 U
Phenanthrene	ug/Kg	350 U	350 UJ	680 J	350 U	350 U
Anthracene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Carbazole	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Di-n-butylphthalate	ug/Kg	350 U	350 UJ	2200 U	81 J	94 J
Fluoranthene	ug/Kg	29 J	350 UJ	1300 J	350 U	350 U
Pyrene	ug/Kg	62 J	350 UJ	2000 J	350 U	350 U
Butylbenzylphthalate	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
3,3'-Dichlorobenzidine	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Benzo(a)anthracene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Chrysene	ug/Kg	350 U	350 UJ	1100 J	350 U	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	43 J	350 UJ	2200 U	350 U	160 J
Di-n-octylphthalate	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Benzo(b)fluoranthene	ug/Kg	350 U	350 UJ	1500 J	350 U	350 U
Benzo(k)fluoranthene	ug/Kg	350 U	350 UJ	2200 UJ	350 U	350 U
Benzo(a)pyrene	ug/Kg	350 U	350 UJ	2200 U	350 U	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	46 J	1100 J	350 U	350 U
Dibenz(a,h)anthracene	ug/Kg	350 U	27 J	1100 J	350 U	350 U
Benzo(g,h,i)perylene	ug/Kg	350 U	43 J	1600 J	350 U	350 U

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX / LOCATION / DEPTH (FEET) / SAMPLE DATE / ES ID / LAB ID / SDG NUMBER / UNITS	SOIL SEAD-60 6-8 06/07/94 SB60-2-04 223340 44665	SOIL SEAD-60 6-8 06/07/94 SB60-2-04RE 223340 44665	SOIL SEAD-60 0-0.2 06/08/94 SB60-3.00 223499 44665	SOIL SEAD-60 4-6 06/08/94 SB60-3.03 223500 44665	SOIL SEAD-60 6-8 06/08/94 SB60-3.04 223501 44665
PESTICIDES/PCB						
alpha-BHC	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
beta-BHC	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
delta-BHC	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
gamma-BHC (Lindane)	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
Heptachlor	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
Aldrin	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
Heptachlor epoxide	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
Endosulfan I	ug/Kg	1.8 U		6.3 J	1.8 U	1.8 U
Dieldrin	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
4,4'-DDE	ug/Kg	3.5 U		28 J	3.5 U	3.5 U
Endrin	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
Endosulfan II	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
4,4'-DDD	ug/Kg	3.5 U		100 J	3.5 U	3.5 U
Endosulfan sulfate	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
4,4'-DDT	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
Methoxychlor	ug/Kg	18 U		29 UJ	18 U	18 U
Endrin ketone	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
Endrin aldehyde	ug/Kg	3.5 U		5.6 UJ	3.5 U	3.5 U
alpha-Chlordane	ug/Kg	1.8 U		3 J	1.8 U	1.8 U
gamma-Chlordane	ug/Kg	1.8 U		2.9 UJ	1.8 U	1.8 U
Toxaphene	ug/Kg	180 U		290 UJ	180 U	180 U
Aroclor-1016	ug/Kg	35 U		56 UJ	35 U	35 U
Aroclor-1221	ug/Kg	71 U		110 UJ	72 U	71 U
Aroclor-1232	ug/Kg	35 U		56 UJ	35 U	35 U
Aroclor-1242	ug/Kg	35 U		56 UJ	35 U	35 U
Aroclor-1248	ug/Kg	35 U		56 UJ	35 U	35 U
Aroclor-1254	ug/Kg	35 U		56 UJ	35 U	35 U
Aroclor-1260	ug/Kg	35 U		220 J	35 U	35 U
METALS						
Aluminum	mg/Kg	6320		14100	6980	13200
Antimony	mg/Kg	0.22 UJ		0.49 J	0.26 J	0.18 UJ
Arsenic	mg/Kg	3.8		7	4	5.6
Barium	mg/Kg	90.1		418	84	50.1
Beryllium	mg/Kg	0.38 J		0.66 J	0.35 J	0.63 J
Cadmium	mg/Kg	0.33 J		1.5 J	0.35 J	0.72
Calcium	mg/Kg	72300 J		23700 J	102000 J	50600 J
Chromium	mg/Kg	14.1		23.3	12	22.7
Cobalt	mg/Kg	7.9 J		13.1 J	8.2	12.7
Copper	mg/Kg	20.5		74.1	19.8	30.6
Iron	mg/Kg	17700		25700	15500	32100
Lead	mg/Kg	9.5		50.6	8.2	15.3
Magnesium	mg/Kg	19000		8570	18000	11400
Manganese	mg/Kg	388		443	417	378
Mercury	mg/Kg	0.07 J		0.02 U	0.02 J	0.01 J
Nickel	mg/Kg	23.8		31.3	22.9	44.3
Potassium	mg/Kg	1820 J		1820 J	1690 J	1920 J
Selenium	mg/Kg	0.47 U		1.2 J	0.43 U	0.85 J
Silver	mg/Kg	0.09 UJ		0.17 UJ	0.08 UJ	0.07 UJ
Sodium	mg/Kg	119 J		118 J	113 J	140 J
Thallium	mg/Kg	0.33 U		0.64 U	0.3 U	0.26 U
Vanadium	mg/Kg	14.5		26.2	12.9	19.3
Zinc	mg/Kg	64.4		314	56.3	266
Cyanide	mg/Kg	0.43 U		0.76 U	0.46 U	0.51 U
OTHER ANALYSES						
Nitrate/Nitrite-Nitrogen	mg/Kg					
Total Petroleum Hydrocarbons	mg/Kg	332		50900	57	34
Total Solids	%W/W	94.2		59.1	93.1	93.8

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-60 07/07/94 MW60-1 226301 45257	WATER SEAD-60 07/07/94 MW60-2 226302 45257	WATER SEAD-60 07/07/94 MW60-5 226305 45257 MW60-2DUP	WATER SEAD-60 03/29/94 MW60-3 215838 43179
VOLATILE ORGANICS					
Chloromethane	ug/L	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U
Acetone	ug/L	48	27 J	77 J	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Benzene	ug/L	1 J	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U
HERBICIDES					
2,4-D	ug/L				
2,4-DB	ug/L				
2,4,5-T	ug/L				
2,4,5-TP (Silvex)	ug/L				
Dalapon	ug/L				
Dicamba	ug/L				
Dichloroprop	ug/L				
Dinoseb	ug/L				
MCPA	ug/L				
MCPP	ug/L				
NITROAROMATICS					
HMX	ug/L				
RDX	ug/L				
1,3,5-Trinitrobenzene	ug/L				
1,3-Dinitrobenzene	ug/L				
Tetryl	ug/L				
2,4,6-Trinitrotoluene	ug/L				
4-amino-2,6-Dinitrotoluene	ug/L				
2-amino-4,6-Dinitrotoluene	ug/L				
2,6-Dinitrotoluene	ug/L				
2,4-Dinitrotoluene	ug/L				

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	SAMPLE DATE	07/07/94	07/07/94	07/07/94	03/29/94
	ES ID	MW60-1	MW60-2	MW60-5	MW60-3
	LAB ID	226301	226302	226305	215838
	SDG NUMBER	45257	45257	45257	43179
	UNITS			MW60-2DUP	
SEMIVOLATILE ORGANICS					
Phenol	ug/L	10 U	10 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 U	11 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	10 U	10 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	10 U	10 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	10 U	10 U	11 U	10 U
2-Methylphenol	ug/L	10 U	10 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 U	11 U	10 U
4-Methylphenol	ug/L	10 U	10 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 U	11 U	10 U
Hexachloroethane	ug/L	10 U	10 U	11 U	10 U
Nitrobenzene	ug/L	10 U	10 U	11 U	10 U
Isophorone	ug/L	10 U	10 U	11 U	10 U
2-Nitrophenol	ug/L	10 U	10 U	11 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 U	11 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 U	11 U	10 U
Naphthalene	ug/L	10 U	10 U	11 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	11 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	11 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	10 U	10 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	25 U	26 U	28 U	26 U
2-Chloronaphthalene	ug/L	10 U	10 U	11 U	10 U
2-Nitroaniline	ug/L	25 U	26 U	28 U	26 U
Dimethylphthalate	ug/L	10 U	10 U	11 U	10 U
Acenaphthylene	ug/L	10 U	10 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	11 U	10 U
3-Nitroaniline	ug/L	25 U	26 U	28 U	26 U
Acenaphthene	ug/L	10 U	10 U	11 U	10 U
2,4-Dinitrophenol	ug/L	25 U	26 U	28 U	26 U
4-Nitrophenol	ug/L	25 U	26 U	28 U	26 U
Dibenzofuran	ug/L	10 U	10 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	11 U	10 U
Diethylphthalate	ug/L	10 U	10 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	10 U	10 U	11 U	10 U
Fluorene	ug/L	10 U	10 U	11 U	10 U
4-Nitroaniline	ug/L	25 U	26 U	28 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	26 U	28 U	26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	10 U	10 U	11 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	11 U	10 U
Pentachlorophenol	ug/L	25 U	26 U	28 U	26 U
Phenanthrene	ug/L	10 U	10 U	11 U	10 U
Anthracene	ug/L	10 U	10 U	11 U	10 U
Carbazole	ug/L	10 U	10 U	11 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	11 U	10 U
Fluoranthene	ug/L	10 U	10 U	11 U	10 U
Pyrene	ug/L	10 U	10 U	11 U	10 U
Butylbenzylphthalate	ug/L	10 U	10 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 U	11 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	11 U	10 U
Chrysene	ug/L	10 U	10 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	25 U	11 U	10 U
Di-n-octylphthalate	ug/L	10 U	10 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	11 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	11 U	10 U

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-60 07/07/94 MW60-1 226301 45257	WATER SEAD-60 07/07/94 MW60-2 226302 45257	WATER SEAD-60 07/07/94 MW60-5 226305 45257 MW60-2DUP	WATER SEAD-60 03/29/94 MW60-3 215838 43179
PESTICIDES/PCB					
alpha-BHC	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
beta-BHC	ug/L	0.051 U	0.051 U	0.054 UJ	0.049 J
delta-BHC	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Heptachlor	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Aldrin	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Heptachlor epoxide	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Endosulfan I	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endrin	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Methoxychlor	ug/L	0.51 U	0.51 U	0.54 UJ	0.52 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 UJ	0.1 U
alpha-Chlordane	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
gamma-Chlordane	ug/L	0.051 U	0.051 U	0.054 UJ	0.052 U
Toxaphene	ug/L	5.1 U	5.1 U	5.4 UJ	5.2 U
Aroclor-1016	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1221	ug/L	2 U	2 U	2.2 UJ	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 UJ	1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 UJ	1 U
METALS					
Aluminum	ug/L	348	42.6 J	58 J	376
Antimony	ug/L	1.3 U	1.3 U	1.3 U	0.99 U
Arsenic	ug/L	2 U	2 U	2 U	1.5 U
Barium	ug/L	88.7 J	45 J	40 J	34 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.06 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.1 U
Calcium	ug/L	95100	109000	112000	113000
Chromium	ug/L	0.56 J	0.4 U	0.4 U	0.51 J
Cobalt	ug/L	0.5 U	0.5 U	0.5 U	0.72 J
Copper	ug/L	0.5 U	0.5 U	0.5 U	0.99 J
Iron	ug/L	1290	1300	1340	1440
Lead	ug/L	0.9 U	0.9 U	0.89 U	0.79 U
Magnesium	ug/L	31100	53500	55100	52600
Manganese	ug/L	377	125	116	166
Mercury	ug/L	0.05 J	0.04 U	0.05 J	0.03 U
Nickel	ug/L	0.7 U	0.7 U	0.7 U	1.6 J
Potassium	ug/L	8760	4530 J	3950 J	4510 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	1.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.69 U
Sodium	ug/L	59400	12300	10900	11400
Thallium	ug/L	1.9 U	1.9 U	1.9 U	1.8 J
Vanadium	ug/L	1 J	0.5 U	0.5 U	1.5 J
Zinc	ug/L	6.9 J	3.2 J	2.2 U	4.8 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L	2.2	1.22	0.76	0.4 U
pH	Standard Units	7.4	7.3	7.3	7.6
Conductivity	umhos/cm	1010	700	700	615
Temperature	°C	11.7	11.5	11.5	8.2
Turbidity	NTU	104	8.6	8.6	5.8

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-60 04/27/94 SW60-1 219531 43626	WATER SEAD-60 04/20/94 SW60-2 218496 43626	WATER SEAD-60 04/20/94 SW60-3 218497 43626	WATER SEAD-60 04/20/94 SW60-5 218498 43626 SW60-3DUP
VOLATILE ORGANICS					
Chloromethane	ug/L	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U
HERBICIDES					
2,4-D	ug/L				
2,4-DB	ug/L				
2,4,5-T	ug/L				
2,4,5-TP (Silvex)	ug/L				
Dalapon	ug/L				
Dicamba	ug/L				
Dichloroprop	ug/L				
Dinoseb	ug/L				
MCPA	ug/L				
MCPP	ug/L				
NITROAROMATICS					
HMX	ug/L				
RDX	ug/L				
1,3,5-Trinitrobenzene	ug/L				
1,3-Dinitrobenzene	ug/L				
Tetryl	ug/L				
2,4,6-Trinitrotoluene	ug/L				
4-amino-2,6-Dinitrotoluene	ug/L				
2-amino-4,6-Dinitrotoluene	ug/L				
2,6-Dinitrotoluene	ug/L				
2,4-Dinitrotoluene	ug/L				

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-60 04/27/94 SW60-1 219531 43626	WATER SEAD-60 04/20/94 SW60-2 218496 43626	WATER SEAD-60 04/20/94 SW60-3 218497 43626	WATER SEAD-60 04/20/94 SW60-5 218498 43626 SW60-3DUP
SEMIVOLATILE ORGANICS					
Phenol	ug/L	10 U	12 U	11 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	12 U	11 U	11 U
2-Chlorophenol	ug/L	10 U	12 U	11 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	12 U	11 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	12 U	11 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	12 U	11 U	11 U
2-Methylphenol	ug/L	10 U	12 U	11 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	12 U	11 U	11 U
4-Methylphenol	ug/L	10 U	12 U	11 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	12 U	11 U	11 U
Hexachloroethane	ug/L	10 U	12 U	11 U	11 U
Nitrobenzene	ug/L	10 U	12 U	11 U	11 U
Isophorone	ug/L	10 U	12 U	11 U	11 U
2-Nitrophenol	ug/L	10 U	12 U	11 U	11 U
2,4-Dimethylphenol	ug/L	10 U	12 U	11 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	12 U	11 U	11 U
2,4-Dichlorophenol	ug/L	10 U	12 U	11 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	12 U	11 U	11 U
Naphthalene	ug/L	10 U	12 U	11 U	11 U
4-Chloroaniline	ug/L	10 U	12 U	11 U	11 U
Hexachlorobutadiene	ug/L	10 U	12 U	11 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	12 U	11 U	11 U
2-Methylnaphthalene	ug/L	10 U	12 U	11 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	12 U	11 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	12 U	11 U	11 U
2,4,5-Trichlorophenol	ug/L	26 U	29 U	29 U	27 U
2-Chloronaphthalene	ug/L	10 U	12 U	11 U	11 U
2-Nitroaniline	ug/L	26 U	29 U	29 U	27 U
Dimethylphthalate	ug/L	10 U	12 U	11 U	11 U
Acenaphthylene	ug/L	10 U	12 U	11 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	12 U	11 U	11 U
3-Nitroaniline	ug/L	26 U	29 U	29 U	27 U
Acenaphthene	ug/L	10 U	12 U	11 U	11 U
2,4-Dinitrophenol	ug/L	26 U	29 U	29 U	27 U
4-Nitrophenol	ug/L	26 U	29 U	29 U	27 U
Dibenzofuran	ug/L	10 U	12 U	11 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	12 U	11 U	11 U
Diethylphthalate	ug/L	10 U	12 U	11 U	11 U
4-Chlorophenyl-phenylether	ug/L	10 U	12 U	11 U	11 U
Fluorene	ug/L	10 U	12 U	11 U	11 U
4-Nitroaniline	ug/L	26 U	29 U	29 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	29 U	29 U	27 U
N-Nitrosodiphenylamine	ug/L	10 U	12 U	11 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U	12 U	11 U	11 U
Hexachlorobenzene	ug/L	10 U	12 U	11 U	11 U
Pentachlorophenol	ug/L	26 U	29 U	29 U	27 U
Phenanthrene	ug/L	10 U	12 U	11 U	11 U
Anthracene	ug/L	10 U	12 U	11 U	11 U
Carbazole	ug/L	10 U	12 U	11 U	11 U
Di-n-butylphthalate	ug/L	10 U	12 U	11 U	11 U
Fluoranthene	ug/L	10 U	12 U	11 U	11 U
Pyrene	ug/L	10 U	12 U	11 U	11 U
Butylbenzylphthalate	ug/L	10 U	12 U	11 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	12 U	11 U	11 U
Benzo(a)anthracene	ug/L	10 U	12 U	11 U	11 U
Chrysene	ug/L	10 U	12 U	11 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	12 U	11 U	11 U
Di-n-octylphthalate	ug/L	10 U	12 U	11 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	12 U	11 U	11 U
Benzo(k)fluoranthene	ug/L	10 U	12 U	11 U	11 U
Benzo(a)pyrene	ug/L	10 U	12 U	11 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	12 U	11 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	12 U	11 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	12 U	11 U	11 U

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	SAMPLE DATE	04/27/94	04/20/94	04/20/94	04/20/94
	ES ID	SW60-1	SW60-2	SW60-3	SW60-5
	LAB ID	219531	218496	218497	218498
	SDG NUMBER	43626	43626	43626	43626
	UNITS				SW60-3DUP
PESTICIDES/PCB					
alpha-BHC	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
beta-BHC	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
delta-BHC	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Heptachlor	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Aldrin	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Heptachlor epoxide	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Endosulfan I	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Dieldrin	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDE	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endrin	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endosulfan II	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDD	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
4,4'-DDT	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Methoxychlor	ug/L	0.54 U	0.58 U	0.58 U	0.54 U
Endrin ketone	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
Endrin aldehyde	ug/L	0.11 U	0.12 U	0.12 U	0.11 U
alpha-Chlordane	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
gamma-Chlordane	ug/L	0.054 U	0.058 U	0.058 U	0.054 U
Toxaphene	ug/L	5.4 U	5.8 U	5.8 U	5.4 U
Aroclor-1016	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1221	ug/L	2.2 U	2.3 U	2.3 U	2.1 U
Aroclor-1232	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1242	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1248	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1254	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
Aroclor-1260	ug/L	1.1 U	1.2 U	1.2 U	1.1 U
METALS					
Aluminum	ug/L	35.7 J	259	71 J	93.5 J
Antimony	ug/L	1 U	1 U	0.99 U	0.99 U
Arsenic	ug/L	1.5 U	1.6 J	1.5 U	1.5 U
Barium	ug/L	28.7 J	49.4 J	21.9 J	22.4 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Calcium	ug/L	42300	69000	41600	42200
Chromium	ug/L	0.56 J	0.68 J	0.4 U	0.4 U
Cobalt	ug/L	0.6 U	0.6 U	0.59 U	0.59 U
Copper	ug/L	1.7 J	2 J	1.1 J	1.1 J
Iron	ug/L	76 J	453	66.9 J	121
Lead	ug/L	0.8 U	0.8 U	0.79 U	0.79 U
Magnesium	ug/L	8260	22000	8310	8390
Manganese	ug/L	12.5 J	28.5	3.8 J	4.5 J
Mercury	ug/L	0.03 U	0.03 U	0.03 U	0.03 U
Nickel	ug/L	0.98 J	1.8 J	0.59 U	0.63 J
Potassium	ug/L	1060 J	1430 J	643 J	649 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.7 U	0.7 U	0.69 U	0.69 U
Sodium	ug/L	2030 J	53800	2340 J	2410 J
Thallium	ug/L	1.6 U	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	0.7 U	0.65 J	0.69 U	0.69 U
Zinc	ug/L	3 J	3.4 J	8.5 J	9.6 J
Cyanide	ug/L	5 UJ	5 UJ	5 UJ	5 UJ
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L	0.38 U	0.41 U	0.43 U	0.39 U
pH	Standard Units	8.4	8.7	9.1	9.1
Conductivity	umhos/cm	232	675	180	180
Temperature	°C	23.3	16	10	10
Turbidity	NTU	2.2	5.7	2.4	2.4

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-60 0-0.2 04/27/94 SD60-1 219550 43663	SOIL SEAD-60 0-0.2 04/20/94 SD60-2 218490 43663	SOIL SEAD-60 0-0.2 04/20/94 SD60-3 218491 43663	SOIL SEAD-60 0-0.2 04/20/94 SD60-5 218493 43663 SD60-3DUP
VOLATILE ORGANICS					
Chloromethane	ug/Kg	16 U	19 U	16 U	15 U
Bromomethane	ug/Kg	16 U	19 U	16 U	15 U
Vinyl Chloride	ug/Kg	16 U	19 U	16 U	15 U
Chloroethane	ug/Kg	16 U	19 U	16 U	15 U
Methylene Chloride	ug/Kg	16 U	19 U	16 U	15 U
Acetone	ug/Kg	16 U	19 U	16 U	15 U
Carbon Disulfide	ug/Kg	16 U	19 U	16 U	15 U
1,1-Dichloroethene	ug/Kg	16 U	19 U	16 U	15 U
1,1-Dichloroethane	ug/Kg	16 U	19 U	16 U	15 U
1,2-Dichloroethene (total)	ug/Kg	16 U	19 U	16 U	15 U
Chloroform	ug/Kg	16 U	3 J	16 U	15 U
1,2-Dichloroethane	ug/Kg	16 U	19 U	16 U	15 U
2-Butanone	ug/Kg	16 U	19 U	16 U	15 U
1,1,1-Trichloroethane	ug/Kg	16 U	19 U	16 U	15 U
Carbon Tetrachloride	ug/Kg	16 U	19 U	16 U	15 U
Bromodichloromethane	ug/Kg	16 U	19 U	16 U	15 U
1,2-Dichloropropane	ug/Kg	16 U	19 U	16 U	15 U
cis-1,3-Dichloropropene	ug/Kg	16 U	19 U	16 U	15 U
Trichloroethene	ug/Kg	16 U	19 U	16 U	15 U
Dibromochloromethane	ug/Kg	16 U	19 U	16 U	15 U
1,1,2-Trichloroethane	ug/Kg	16 U	19 U	16 U	15 U
Benzene	ug/Kg	16 U	19 U	16 U	15 U
trans-1,3-Dichloropropene	ug/Kg	16 U	19 U	16 U	15 U
Bromoform	ug/Kg	16 U	19 U	16 U	15 U
4-Methyl-2-Pentanone	ug/Kg	16 U	19 U	16 U	15 U
2-Hexanone	ug/Kg	16 U	19 U	16 U	15 U
Tetrachloroethene	ug/Kg	16 U	19 U	16 U	15 U
1,1,2,2-Tetrachloroethane	ug/Kg	16 U	19 U	16 U	15 U
Toluene	ug/Kg	16 U	19 U	16 U	15 U
Chlorobenzene	ug/Kg	16 U	19 U	16 U	15 U
Ethylbenzene	ug/Kg	16 U	19 U	16 U	15 U
Styrene	ug/Kg	16 U	19 U	16 U	15 U
Xylene (total)	ug/Kg	16 U	19 U	16 U	15 U
HERBICIDES					
2,4-D	ug/Kg				
2,4-DB	ug/Kg				
2,4,5-T	ug/Kg				
2,4,5-TP (Silvex)	ug/Kg				
Dalapon	ug/Kg				
Dicamba	ug/Kg				
Dichloroprop	ug/Kg				
Dinoseb	ug/Kg				
MCPA	ug/Kg				
MCPP	ug/Kg				
NITROAROMATICS					
HMX	ug/Kg				
RDX	ug/Kg				
1,3,5-Trinitrobenzene	ug/Kg				
1,3-Dinitrobenzene	ug/Kg				
Tetryl	ug/Kg				
2,4,6-Trinitrotoluene	ug/Kg				
4-amino-2,6-Dinitrotoluene	ug/Kg				
2-amino-4,6-Dinitrotoluene	ug/Kg				
2,6-Dinitrotoluene	ug/Kg				
2,4-Dinitrotoluene	ug/Kg				

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/27/94	04/20/94	04/20/94	04/20/94
	ES ID	SD60-1	SD60-2	SD60-3	SD60-5
	LAB ID	219550	218490	218491	218493
	SDG NUMBER	43663	43663	43663	43663
COMPOUND	UNITS				SD60-3DUP
SEMIVOLATILE ORGANICS					
Phenol	ug/Kg	580 U	650 U	550 U	520 U
bis(2-Chloroethyl) ether	ug/Kg	580 U	650 U	550 U	520 U
2-Chlorophenol	ug/Kg	580 U	650 U	550 U	520 U
1,3-Dichlorobenzene	ug/Kg	580 U	650 U	550 U	520 U
1,4-Dichlorobenzene	ug/Kg	580 U	650 U	550 U	520 U
1,2-Dichlorobenzene	ug/Kg	580 U	650 U	550 U	520 U
2-Methylphenol	ug/Kg	580 U	650 U	550 U	520 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	580 U	650 U	550 U	520 U
4-Methylphenol	ug/Kg	580 U	650 U	550 U	520 U
N-Nitroso-di-n-propylamine	ug/Kg	580 U	650 U	550 U	520 U
Hexachloroethane	ug/Kg	580 U	650 U	550 U	520 U
Nitrobenzene	ug/Kg	580 U	650 U	550 U	520 U
Isophorone	ug/Kg	580 U	650 U	550 U	520 U
2-Nitrophenol	ug/Kg	580 U	650 U	550 U	520 U
2,4-Dimethylphenol	ug/Kg	580 U	650 U	550 U	520 U
bis(2-Chloroethoxy) methane	ug/Kg	580 U	650 U	550 U	520 U
2,4-Dichlorophenol	ug/Kg	580 U	650 U	550 U	520 U
1,2,4-Trichlorobenzene	ug/Kg	580 U	650 U	550 U	520 U
Naphthalene	ug/Kg	580 U	650 U	550 U	520 U
4-Chloroaniline	ug/Kg	580 U	650 U	550 U	520 U
Hexachlorobutadiene	ug/Kg	580 U	650 U	550 U	520 U
4-Chloro-3-methylphenol	ug/Kg	580 U	650 U	550 U	520 U
2-Methylnaphthalene	ug/Kg	580 U	650 U	550 U	520 U
Hexachlorocyclopentadiene	ug/Kg	580 U	650 U	550 U	520 U
2,4,6-Trichlorophenol	ug/Kg	580 U	650 U	550 U	520 U
2,4,5-Trichlorophenol	ug/Kg	1400 U	1600 U	1300 U	1300 U
2-Chloronaphthalene	ug/Kg	580 U	650 U	550 U	520 U
2-Nitroaniline	ug/Kg	1400 U	1600 U	1300 U	1300 U
Dimethylphthalate	ug/Kg	580 U	650 U	550 U	520 U
Acenaphthylene	ug/Kg	580 U	650 U	550 U	520 U
2,6-Dinitrotoluene	ug/Kg	580 U	650 U	550 U	520 U
3-Nitroaniline	ug/Kg	1400 U	1600 U	1300 U	1300 U
Acenaphthene	ug/Kg	580 U	650 U	550 U	520 U
2,4-Dinitrophenol	ug/Kg	1400 U	1600 U	1300 U	1300 U
4-Nitrophenol	ug/Kg	1400 U	1600 U	1300 U	1300 U
Dibenzofuran	ug/Kg	580 U	650 U	550 U	520 U
2,4-Dinitrotoluene	ug/Kg	580 U	650 U	550 U	520 U
Diethylphthalate	ug/Kg	580 U	650 U	550 U	520 U
4-Chlorophenyl-phenylether	ug/Kg	580 U	650 U	550 U	520 U
Fluorene	ug/Kg	580 U	650 U	550 U	520 U
4-Nitroaniline	ug/Kg	1400 U	1600 U	1300 U	1300 U
4,6-Dinitro-2-methylphenol	ug/Kg	1400 U	1600 U	1300 U	1300 U
N-Nitrosodiphenylamine	ug/Kg	580 U	650 U	550 U	520 U
4-Bromophenyl-phenylether	ug/Kg	580 U	650 U	550 U	520 U
Hexachlorobenzene	ug/Kg	580 U	650 U	550 U	520 U
Pentachlorophenol	ug/Kg	1400 U	1600 U	1300 U	1300 U
Phenanthrene	ug/Kg	580 U	63 J	70 J	57 J
Anthracene	ug/Kg	580 U	650 U	550 U	520 U
Carbazole	ug/Kg	580 U	650 U	550 U	520 U
Di-n-butylphthalate	ug/Kg	580 U	650 U	550 U	520 U
Fluoranthene	ug/Kg	580 U	160 J	200 J	160 J
Pyrene	ug/Kg	580 U	190 J	250 J	180 J
Butylbenzylphthalate	ug/Kg	580 U	650 U	550 U	520 U
3,3'-Dichlorobenzidine	ug/Kg	580 U	650 U	550 U	520 U
Benzo(a)anthracene	ug/Kg	580 U	56 J	68 J	51 J
Chrysene	ug/Kg	580 U	130 J	160 J	130 J
bis(2-Ethylhexyl)phthalate	ug/Kg	110 J	1100	75 J	53 J
Di-n-octylphthalate	ug/Kg	580 U	650 U	550 U	520 U
Benzo(b)fluoranthene	ug/Kg	580 U	120 J	120 J	90 J
Benzo(k)fluoranthene	ug/Kg	580 U	87 J	97 J	92 J
Benzo(a)pyrene	ug/Kg	580 U	79 J	64 J	59 J
Indeno(1,2,3-cd)pyrene	ug/Kg	580 U	68 J	57 J	49 J
Dibenz(a,h)anthracene	ug/Kg	580 U	650 U	550 U	520 U
Benzo(g,h,i)perylene	ug/Kg	580 U	93 J	67 J	54 J

SENECA ARMY DEPOT
SEAD-60 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	04/27/94	04/20/94	04/20/94	04/20/94
	ES ID	SD60-1	SD60-2	SD60-3	SD60-5
	LAB ID	219550	218490	218491	218493
	SDG NUMBER	43663	43663	43663	43663
	UNITS				SD60-3DUP
PESTICIDES/PCB					
alpha-BHC	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
beta-BHC	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
delta-BHC	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
gamma-BHC (Lindane)	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Heptachlor	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Aldrin	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Heptachlor epoxide	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Endosulfan I	ug/Kg	3 U	3.3 U	2.1 J	1.8 J
Dieldrin	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
4,4'-DDE	ug/Kg	5.8 U	6.5 U	5.4 J	5 J
Endrin	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
Endosulfan II	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
4,4'-DDD	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
Endosulfan sulfate	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
4,4'-DDT	ug/Kg	5.8 U	6.5 U	2.7 J	3.4 J
Methoxychlor	ug/Kg	30 U	33 U	28 U	27 U
Endrin ketone	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
Endrin aldehyde	ug/Kg	5.8 U	6.5 U	5.5 U	5.2 U
alpha-Chlordane	ug/Kg	3 U	3.3 U	1.9 J	2.7 U
gamma-Chlordane	ug/Kg	3 U	3.3 U	2.8 U	2.7 U
Toxaphene	ug/Kg	300 U	330 U	280 U	270 U
Aroclor-1016	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1221	ug/Kg	120 U	130 U	110 U	110 U
Aroclor-1232	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1242	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1248	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1254	ug/Kg	58 U	65 U	55 U	52 U
Aroclor-1260	ug/Kg	58 U	65 U	55 U	52 U
METALS					
Aluminum	mg/Kg	12700	10700	5470	2940
Antimony	mg/Kg	0.28 UJ	0.24 UJ	0.28 UJ	0.32 UJ
Arsenic	mg/Kg	4.8	3.6	3.7	2.9 J
Barium	mg/Kg	97.6	80.3	46.5 J	23.5 J
Beryllium	mg/Kg	0.62 J	0.54 J	0.35 J	0.21 J
Cadmium	mg/Kg	0.34 J	0.44 J	0.25 J	0.13 J
Calcium	mg/Kg	3760	21300	93000	227000
Chromium	mg/Kg	19.5	17.5	9	4.8
Cobalt	mg/Kg	9.6 J	8.2 J	6.7 J	3.3 J
Copper	mg/Kg	14.2	21.1	12.5	7.7 J
Iron	mg/Kg	25000	22000	12700	6580
Lead	mg/Kg	13.9	24.6	9.1	3.5
Magnesium	mg/Kg	4370	7490	8360	3770
Manganese	mg/Kg	467 J	262 J	509 J	292 J
Mercury	mg/Kg	0.05 J R	0.04 J R	0.02 U	0.03 J
Nickel	mg/Kg	27.2	26.7	16.2	9.2 J
Potassium	mg/Kg	1610	1190 J	988 J	765 J
Selenium	mg/Kg	0.48 U	0.41 U	0.48 U	0.54 U
Silver	mg/Kg	0.2 U	0.17 U	0.2 U	0.22 U
Sodium	mg/Kg	45 U	134 J	67.3 J	91 J
Thallium	mg/Kg	0.45 U	0.55 J	0.46 U	0.51 U
Vanadium	mg/Kg	23.9	19.2	11.1 J	6.6 J
Zinc	mg/Kg	93.5	66.1	101	48.6
Cyanide	mg/Kg	0.83 U	0.94 U	3.3	2.1
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/Kg				
Total Petroleum Hydrocarbons	mg/Kg	40 U	149	44 U	48 U
Total Solids	%W/W	56.8	50.7	60.5	62.8

SEAD-62

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX / LOCATION / DEPTH (FEET) / SAMPLE DATE / ES ID / LAB ID / SDG NUMBER / UNITS	SOIL / SEAD-62 / 0-0.5 / 06/12/94 / TP62-1-1 / 224086 / 44748	SOIL / SEAD-62 / 3 / 06/12/94 / TP62-2-1 / 224088 / 44748	SOIL / SEAD-62 / 2 / 06/12/94 / TP62-3-1 / 224089 / 44748
VOLATILE ORGANICS				
Chloromethane	ug/Kg	11 U	11 U	12 U
Bromomethane	ug/Kg	11 U	11 U	12 U
Vinyl Chloride	ug/Kg	11 U	11 U	12 U
Chloroethane	ug/Kg	11 U	11 U	12 U
Methylene Chloride	ug/Kg	11 U	11 U	12 U
Acetone	ug/Kg	21 U	11 U	12 U
Carbon Disulfide	ug/Kg	11 U	11 U	12 U
1,1-Dichloroethene	ug/Kg	11 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	11 U	11 U	12 U
1,2-Dichloroethene (total)	ug/Kg	11 U	11 U	12 U
Chloroform	ug/Kg	11 U	11 U	12 U
1,2-Dichloroethane	ug/Kg	11 U	11 U	12 U
2-Butanone	ug/Kg	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	11 U	11 U	12 U
Carbon Tetrachloride	ug/Kg	11 U	11 U	12 U
Bromodichloromethane	ug/Kg	11 U	11 U	12 U
1,2-Dichloropropane	ug/Kg	11 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U	12 U
Trichloroethene	ug/Kg	11 U	11 U	12 U
Dibromochloromethane	ug/Kg	11 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U	12 U
Benzene	ug/Kg	11 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U	12 U
Bromoform	ug/Kg	11 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U	12 U
2-Hexanone	ug/Kg	11 U	11 U	12 U
Tetrachloroethene	ug/Kg	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U	12 U
Toluene	ug/Kg	11 U	11 U	12 U
Chlorobenzene	ug/Kg	11 U	11 U	12 U
Ethylbenzene	ug/Kg	11 U	11 U	12 U
Styrene	ug/Kg	11 U	11 U	12 U
Xylene (total)	ug/Kg	11 U	11 U	12 U
HERBICIDES				
2,4-D	ug/Kg	73 U	56 U	63 U
2,4-DB	ug/Kg	73 U	56 U	63 U
2,4,5-T	ug/Kg	10 J	5.6 U	6.3 J
2,4,5-TP (Silvex)	ug/Kg	7.3 U	5.6 U	6.3 U
Dalapon	ug/Kg	180 U	140 U	150 U
Dicamba	ug/Kg	7.3 U	5.6 U	9.3 J
Dichloroprop	ug/Kg	73 U	56 U	63 U
Dinoseb	ug/Kg	37 U	28 U	32 U
MCPA	ug/Kg	7300 U	5600 U	6300 U
MCPP	ug/Kg	7300 U	5600 U	6300 U
NITROAROMATICS				
HMX	ug/Kg			
RDX	ug/Kg			
1,3,5-Trinitrobenzene	ug/Kg			
1,3-Dinitrobenzene	ug/Kg			
Tetryl	ug/Kg			
2,4,6-Trinitrotoluene	ug/Kg			
4-amino-2,6-Dinitrotoluene	ug/Kg			
2-amino-4,6-Dinitrotoluene	ug/Kg			
2,6-Dinitrotoluene	ug/Kg			
2,4-Dinitrotoluene	ug/Kg			

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL
	LOCATION	SEAD-62	SEAD-62	SEAD-62
	DEPTH (FEET)	0-0.5	3	2
	SAMPLE DATE	06/12/94	06/12/94	06/12/94
	ES ID	TP62-1-1	TP62-2-1	TP62-3-1
	LAB ID	224086	224088	224089
	SDG NUMBER	44748	44748	44748
COMPOUND	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/Kg	480 U	370 U	410 U
bis(2-Chloroethyl) ether	ug/Kg	480 U	370 U	410 U
2-Chlorophenol	ug/Kg	480 U	370 U	410 U
1,3-Dichlorobenzene	ug/Kg	480 U	370 U	410 U
1,4-Dichlorobenzene	ug/Kg	480 U	370 U	410 U
1,2-Dichlorobenzene	ug/Kg	480 U	370 U	410 U
2-Methylphenol	ug/Kg	480 U	370 U	410 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	480 U	370 U	410 U
4-Methylphenol	ug/Kg	480 U	370 U	410 U
N-Nitroso-di-n-propylamine	ug/Kg	480 U	370 U	410 U
Hexachloroethane	ug/Kg	480 U	370 U	410 U
Nitrobenzene	ug/Kg	480 U	370 U	410 U
Isophorone	ug/Kg	480 U	370 U	410 U
2-Nitrophenol	ug/Kg	480 U	370 U	410 U
2,4-Dimethylphenol	ug/Kg	480 U	370 U	410 U
bis(2-Chloroethoxy) methane	ug/Kg	480 U	370 U	410 U
2,4-Dichlorophenol	ug/Kg	480 U	370 U	410 U
1,2,4-Trichlorobenzene	ug/Kg	480 U	370 U	410 U
Naphthalene	ug/Kg	480 U	370 U	410 U
4-Chloroaniline	ug/Kg	480 U	370 U	410 U
Hexachlorobutadiene	ug/Kg	480 U	370 U	410 U
4-Chloro-3-methylphenol	ug/Kg	480 U	370 U	410 U
2-Methylnaphthalene	ug/Kg	480 U	370 U	410 U
Hexachlorocyclopentadiene	ug/Kg	480 U	370 U	410 U
2,4,6-Trichlorophenol	ug/Kg	480 U	370 U	410 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	890 U	1000 U
2-Chloronaphthalene	ug/Kg	480 U	370 U	410 U
2-Nitroaniline	ug/Kg	1200 U	890 U	1000 U
Dimethylphthalate	ug/Kg	480 U	370 U	410 U
Acenaphthylene	ug/Kg	480 U	370 U	410 U
2,6-Dinitrotoluene	ug/Kg	480 U	370 U	410 U
3-Nitroaniline	ug/Kg	1200 U	890 U	1000 U
Acenaphthene	ug/Kg	480 U	370 U	410 U
2,4-Dinitrophenol	ug/Kg	1200 U	890 U	1000 U
4-Nitrophenol	ug/Kg	1200 U	890 U	1000 U
Dibenzofuran	ug/Kg	480 U	370 U	410 U
2,4-Dinitrotoluene	ug/Kg	480 U	370 U	410 U
Diethylphthalate	ug/Kg	480 U	370 U	410 U
4-Chlorophenyl-phenylether	ug/Kg	480 U	370 U	410 U
Fluorene	ug/Kg	480 U	370 U	410 U
4-Nitroaniline	ug/Kg	1200 U	890 U	1000 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	890 U	1000 U
N-Nitrosodiphenylamine	ug/Kg	480 U	370 U	410 U
4-Bromophenyl-phenylether	ug/Kg	480 U	370 U	410 U
Hexachlorobenzene	ug/Kg	480 U	370 U	410 U
Pentachlorophenol	ug/Kg	1200 U	890 U	1000 U
Phenanthrene	ug/Kg	480 U	370 U	410 U
Anthracene	ug/Kg	480 U	370 U	410 U
Carbazole	ug/Kg	480 U	370 U	410 U
Di-n-butylphthalate	ug/Kg	480 U	370 U	410 U
Fluoranthene	ug/Kg	48 J	370 U	410 U
Pyrene	ug/Kg	47 J	370 U	410 U
Butylbenzylphthalate	ug/Kg	480 U	370 U	410 U
3,3'-Dichlorobenzidine	ug/Kg	480 U	370 U	410 U
Benzo(a)anthracene	ug/Kg	480 U	370 U	410 U
Chrysene	ug/Kg	480 U	370 U	410 U
bis(2-Ethylhexyl)phthalate	ug/Kg	480 U	370 U	410 U
Di-n-octylphthalate	ug/Kg	480 U	370 U	410 U
Benzo(b)fluoranthene	ug/Kg	480 U	370 U	410 U
Benzo(k)fluoranthene	ug/Kg	480 U	370 U	410 U
Benzo(a)pyrene	ug/Kg	480 U	370 U	410 U
Indeno(1,2,3-cd)pyrene	ug/Kg	480 U	370 U	410 U
Dibenz(a,h)anthracene	ug/Kg	480 U	370 U	410 U
Benzo(g,h,i)perylene	ug/Kg	480 U	370 U	410 U

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-62 0-0.5 06/12/94 TP62-1-1 224086 44748	SOIL SEAD-62 3 06/12/94 TP62-2-1 224088 44748	SOIL SEAD-62 2 06/12/94 TP62-3-1 224089 44748
PESTICIDES/PCB				
alpha-BHC	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
beta-BHC	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
delta-BHC	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
gamma-BHC (Lindane)	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Heptachlor	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Aldrin	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Heptachlor epoxide	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Endosulfan I	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Dieldrin	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
4,4'-DDE	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endrin	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endosulfan II	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
4,4'-DDD	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endosulfan sulfate	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
4,4'-DDT	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Methoxychlor	ug/Kg	25 UJ	19 UJ	21 UJ
Endrin ketone	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
Endrin aldehyde	ug/Kg	4.9 UJ	3.7 UJ	4.1 UJ
alpha-Chlordane	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
gamma-Chlordane	ug/Kg	2.5 UJ	1.9 UJ	2.1 UJ
Toxaphene	ug/Kg	250 UJ	190 UJ	210 UJ
Aroclor-1016	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1221	ug/Kg	99 UJ	74 UJ	84 UJ
Aroclor-1232	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1242	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1248	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1254	ug/Kg	49 UJ	37 UJ	41 UJ
Aroclor-1260	ug/Kg	49 UJ	37 UJ	41 UJ
METALS				
Aluminum	mg/Kg	14800	11000	16100
Antimony	mg/Kg	0.35 UJ	0.21 J	0.2 UJ
Arsenic	mg/Kg	4.9	5.3	8.4
Barium	mg/Kg	147	85.4	202
Beryllium	mg/Kg	0.74 J	0.56 J	0.72 J
Cadmium	mg/Kg	0.43 J	0.56 J	0.68 J
Calcium	mg/Kg	10900	67900	17400
Chromium	mg/Kg	26.6 J	17.3 J	23.6 J
Cobalt	mg/Kg	9.4 J	12.6	12.6
Copper	mg/Kg	22.6	22	28.7
Iron	mg/Kg	27500	23200	30300
Lead	mg/Kg	50.7 R	10.6 R	538 R
Magnesium	mg/Kg	4530	20500	5340
Manganese	mg/Kg	323	495	778
Mercury	mg/Kg	0.1 J	0.03 J	0.11
Nickel	mg/Kg	26.2	29.6	28.5
Potassium	mg/Kg	1630 J	2210 J	2970 J
Selenium	mg/Kg	1.3 J	0.37 U	0.99
Silver	mg/Kg	0.14 U	0.07 U	0.08 U
Sodium	mg/Kg	37.8 J	88.8 J	164 J
Thallium	mg/Kg	0.52 U	0.26 U	0.29 U
Vanadium	mg/Kg	25.3	20.3	33.1
Zinc	mg/Kg	218	67.5	172
Cyanide	mg/Kg	0.68 U	0.47 U	0.62 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/Kg			
Total Petroleum Hydrocarbons	mg/Kg			
Total Solids	%W/W	68.5	89.5	79.6

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-62 07/21/94 MW62-1 227728 45448	WATER SEAD-62 07/21/94 MW62-2 227729 45448	WATER SEAD-62 07/20/94 MW62-3 227611 45448
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	13 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	2 J	2 J
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L	1.1 U	1.1 U	1.1 U
2,4-DB	ug/L	1.1 U	1.1 U	1.1 U
2,4,5-T	ug/L	0.11 U	0.12	0.11 U
2,4,5-TP (Silvex)	ug/L	0.11 U	0.11 U	0.11 U
Dalapon	ug/L	2.4 U	2.4 U	2.5 U
Dicamba	ug/L	0.11 U	0.11 U	0.11 U
Dichloroprop	ug/L	1.1 U	1.11 U	1.1 U
Dinoseb	ug/L	0.53 U	0.51 U	0.53 U
MCPA	ug/L	110 U	110 U	110 U
MCPP	ug/L	110 U	110 U	110 U
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-62 07/21/94 MW62-1 227728 45448	WATER SEAD-62 07/21/94 MW62-2 227729 45448	WATER SEAD-62 07/20/94 MW62-3 227611 45448
SEMIVOLATILE ORGANICS				
Phenol	ug/L	11 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	10 U
2-Methylphenol	ug/L	11 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	10 U
4-Methylphenol	ug/L	11 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	10 U
Hexachloroethane	ug/L	11 U	10 U	10 U
Nitrobenzene	ug/L	11 U	10 U	10 U
Isophorone	ug/L	11 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	10 U
Naphthalene	ug/L	11 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	27 U	26 U	26 U
2-Chloronaphthalene	ug/L	11 U	10 U	10 U
2-Nitroaniline	ug/L	27 U	26 U	26 U
Dimethylphthalate	ug/L	11 U	10 U	10 U
Acenaphthylene	ug/L	11 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	10 U
3-Nitroaniline	ug/L	27 U	26 U	26 U
Acenaphthene	ug/L	11 U	10 U	10 U
2,4-Dinitrophenol	ug/L	27 U	26 U	26 U
4-Nitrophenol	ug/L	27 U	26 U	26 U
Dibenzofuran	ug/L	11 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	10 U
Diethylphthalate	ug/L	11 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	10 U
Fluorene	ug/L	11 U	10 U	10 U
4-Nitroaniline	ug/L	27 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	27 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U	10 U
Pentachlorophenol	ug/L	27 U	26 U	26 U
Phenanthrene	ug/L	11 U	10 U	10 U
Anthracene	ug/L	11 U	10 U	10 U
Carbazole	ug/L	11 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	10 U
Fluoranthene	ug/L	11 U	10 U	10 U
Pyrene	ug/L	11 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U	10 U
Chrysene	ug/L	11 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	10 U

SENECA ARMY DEPOT
SEAD-62 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-62	SEAD-62	SEAD-62
	SAMPLE DATE	07/21/94	07/21/94	07/20/94
	ES ID	MW62-1	MW62-2	MW62-3
	LAB ID	227728	227729	227611
	SDG NUMBER	45448	45448	45448
	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.061 U	0.052 U	0.052 U
beta-BHC	ug/L	0.061 U	0.052 U	0.052 U
delta-BHC	ug/L	0.061 U	0.052 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.061 U	0.052 U	0.052 U
Heptachlor	ug/L	0.061 U	0.052 U	0.052 U
Aldrin	ug/L	0.061 U	0.052 U	0.052 U
Heptachlor epoxide	ug/L	0.061 U	0.052 U	0.052 U
Endosulfan I	ug/L	0.061 U	0.052 U	0.052 U
Dieldrin	ug/L	0.12 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.12 U	0.1 U	0.1 U
Endrin	ug/L	0.12 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.12 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.12 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.12 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.12 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.61 U	0.52 U	0.52 U
Endrin ketone	ug/L	0.12 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.12 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.061 U	0.052 U	0.052 U
gamma-Chlordane	ug/L	0.061 U	0.052 U	0.052 U
Toxaphene	ug/L	6.1 U	5.2 U	5.2 U
Aroclor-1016	ug/L	1.2 U	1 U	1 U
Aroclor-1221	ug/L	2.4 U	2.1 U	2.1 U
Aroclor-1232	ug/L	1.2 U	1 U	1 U
Aroclor-1242	ug/L	1.2 U	1 U	1 U
Aroclor-1248	ug/L	1.2 U	1 U	1 U
Aroclor-1254	ug/L	1.2 U	1 U	1 U
Aroclor-1260	ug/L	1.2 U	1 U	1 U
METALS				
Aluminum	ug/L	499	430	173 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U
Barium	ug/L	68.1 J	66 J	64.8 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U
Calcium	ug/L	91700	85600	104000
Chromium	ug/L	1.4 J	1.2 J	0.4 U
Cobalt	ug/L	2.5 J	1.1 J	0.56 J
Copper	ug/L	0.54 J	0.5 U	0.5 U
Iron	ug/L	797 J	870 J	1160 J
Lead	ug/L	0.89 U	0.9 U	0.89 U
Magnesium	ug/L	58200	44200	33100
Manganese	ug/L	271	134	86.5
Mercury	ug/L	0.05 J	0.05 J	0.05 J
Nickel	ug/L	3.9 J	2.3 J	0.69 U
Potassium	ug/L	7470 J	6240 J	3150 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U
Sodium	ug/L	18100	8750	5820
Thallium	ug/L	1.9 U	2.4 J	1.9 U
Vanadium	ug/L	1.8 J	1.5 J	0.85 J
Zinc	ug/L	4.2 J	6.2 J	3 J
Cyanide	ug/L	5 UJ	5 UJ	5 UJ
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.8	7.3	7.2
Conductivity	umhos/cm	750	655	525
Temperature	°C	20.3	19.1	14
Turbidity	NTU	86	28	31

SEAD-63

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FEET)	3	2	6.5	3	2	1.5	3	1.5	1.5	2.5
	SAMPLE DATE	06/25/94	06/26/94	06/26/94	06/26/94	06/26/94	06/27/94	06/27/94	06/27/94	06/27/94	06/27/94
	ES ID	TP63-1	TP63-2	TP63-3	TP63-4	TP63-5	TP63-57	TP63-6	TP63-7	TP63-8	TP63-9
	LAB ID	225583	225561	225562	225563	225564	225568	225565	225566	225596	225597
	SDG NUMBER	45058	45062	45062	45062	45062	45062	45062	45062	45062	45062
COMPOUND	UNITS						TP63-7DUP				
VOLATILE ORGANICS											
Chloromethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Bromomethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Vinyl Chloride	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Chloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Methylene Chloride	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Acetone	ug/Kg	13 U	12 U	25 U	11 U	12 U	12 U	11 U	12 U	12 U	160
Carbon Disulfide	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1-Dichloroethene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,2-Dichloroethene (total)	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Chloroform	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,2-Dichloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
2-Butanone	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	46
1,1,1-Trichloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Carbon Tetrachloride	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Bromodichloromethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,2-Dichloropropane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Trichloroethene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Dibromochloromethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Benzene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	2 J	4 J
trans-1,3-Dichloropropene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Bromoform	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
2-Hexanone	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Tetrachloroethene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Toluene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	6 J	23
Chlorobenzene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Ethylbenzene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Styrene	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	12 U	12 U
Xylene (total)	ug/Kg	13 U	12 U	13 U	11 U	12 U	12 U	11 U	12 U	14	11 J
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FEET)	3	2	6.5	3	2	1.5	3	1.5	1.5	2.5
	SAMPLE DATE	06/25/94	06/26/94	06/26/94	06/26/94	06/26/94	06/27/94	06/27/94	06/27/94	06/27/94	06/27/94
	ES ID	TP63-1	TP63-2	TP63-3	TP63-4	TP63-5	TP63-57	TP63-6	TP63-7	TP63-8	TP63-9
	LAB ID	225583	225561	225562	225563	225564	225568	225565	225566	225596	225597
	SDG NUMBER	45058	45062	45062	45062	45062	45062	45062	45062	45062	45062
COMPOUND	UNITS						TP63-7DUP				
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
bis(2-Chloroethyl) ether	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Chlorophenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,3-Dichlorobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,4-Dichlorobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,2-Dichlorobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Methylphenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Methylphenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
N-Nitroso-di-n-propylamine	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachloroethane	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Nitrobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Isophorone	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Nitrophenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dimethylphenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
bis(2-Chloroethoxy) methane	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dichlorophenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
1,2,4-Trichlorobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Naphthalene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Chloroaniline	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachlorobutadiene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Chloro-3-methylphenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Methylnaphthalene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachlorocyclopentadiene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4,6-Trichlorophenol	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4,5-Trichlorophenol	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
2-Chloronaphthalene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2-Nitroaniline	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Dimethylphthalate	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Acenaphthylene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,6-Dinitrotoluene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
3-Nitroaniline	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Acenaphthene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dinitrophenol	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
4-Nitrophenol	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Dibenzofuran	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
2,4-Dinitrotoluene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Diethylphthalate	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Chlorophenyl-phenylether	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Fluorene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Nitroaniline	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
4,6-Dinitro-2-methylphenol	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
N-Nitrosodiphenylamine	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
4-Bromophenyl-phenylether	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Hexachlorobenzene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Pentachlorophenol	ug/Kg	1000 U	950 U	4400 U	2500 U	990 U	890 U	920 U	930 U	940 U	980 U
Phenanthrene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	31 J
Anthracene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Carbazole	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Di-n-butylphthalate	ug/Kg	87 J	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Fluoranthene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	38 J	63 J
Pyrene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Butylbenzylphthalate	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
3,3'-Dichlorobenzidine	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Benzo(a)anthracene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	30 J
Chrysene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	23 J	31 J
bis(2-Ethylhexyl)phthalate	ug/Kg	420 U	290 J	230 J	590 J	1100	1800 J	200 J	80 J	71 J	41 J
Di-n-octylphthalate	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	400 U
Benzo(b)fluoranthene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	21 J	38 J
Benzo(k)fluoranthene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	21 J	43 J
Benzo(a)pyrene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	24 J	45 J
Indeno(1,2,3-cd)pyrene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	37 J
Dibenz(a,h)anthracene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	28 J
Benzo(g,h,i)perylene	ug/Kg	420 U	390 U	1800 U	1000 U	410 U	370 U	380 U	380 U	390 U	31 J

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX / LOCATION / DEPTH (FEET) / SAMPLE DATE / ES ID / LAB ID / SDG NUMBER / UNITS										
	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FEET)	3	2	6.5	3	2	1.5	3	1.5	1.5	2.5
	SAMPLE DATE	06/25/94	06/26/94	06/26/94	06/26/94	06/26/94	06/27/94	06/27/94	06/27/94	06/27/94	06/27/94
	ES ID	TP63-1	TP63-2	TP63-3	TP63-4	TP63-5	TP63-57	TP63-6	TP63-7	TP63-8	TP63-9
	LAB ID	225563	225561	225562	225563	225564	225568	225565	225566	225596	225597
	SDG NUMBER	45058	45062	45062	45062	45062	45062	45062	45062	45062	45062
COMPOUND	UNITS						TP63-7DUP				
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ
beta-BHC	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ
delta-BHC	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ
gamma-BHC (Lindane)	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ
Heptachlor	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ
Aldrin	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ
Heptachlor epoxide	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ
Endosulfan I	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ
Dieldrin	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ
4,4'-DDE	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	4.4 J	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ
Endrin	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ
Endosulfan II	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ
4,4'-DDD	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	2 J	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ
Endosulfan sulfate	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ
4,4'-DDT	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.3 J	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ
Methoxychlor	ug/Kg	22 UJ	20 UJ	23 UJ	18 UJ	21 UJ	19 UJ	20 UJ	20 UJ	20 UJ	21 UJ
Endrin ketone	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ
Endrin aldehyde	ug/Kg	4.2 UJ	3.9 UJ	4.5 UJ	3.6 UJ	4.1 UJ	3.7 UJ	3.8 UJ	3.8 UJ	3.9 UJ	4 UJ
alpha-Chlordane	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ
gamma-Chlordane	ug/Kg	2.2 UJ	2 UJ	2.3 UJ	1.8 UJ	2.1 UJ	1.9 UJ	2 UJ	2 UJ	2 UJ	2.1 UJ
Toxaphene	ug/Kg	220 UJ	200 UJ	230 UJ	180 UJ	210 UJ	190 UJ	200 UJ	200 UJ	200 UJ	210 UJ
Aroclor-1016	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ
Aroclor-1221	ug/Kg	85 UJ	80 UJ	92 UJ	73 UJ	83 UJ	74 UJ	77 UJ	78 UJ	79 UJ	82 UJ
Aroclor-1232	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ
Aroclor-1242	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ
Aroclor-1248	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ
Aroclor-1254	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ
Aroclor-1260	ug/Kg	42 UJ	39 UJ	45 UJ	36 UJ	41 UJ	37 UJ	38 UJ	38 UJ	39 UJ	40 UJ
METALS											
Aluminum	mg/Kg	16800	14800 J	16500 J	12300 J	13800 J	15300 J	13200 J	11700 J	16500 J	13800 J
Antimony	mg/Kg	0.25 UJ	0.26 UJ	0.32 UJ	0.18 UJ	0.27 UJ	0.19 UJ	0.22 UJ	0.23 J	0.3 UJ	0.3 UJ
Arsenic	mg/Kg	6.1 J	5.4	4.5	4	4.4	4.9	4.5	4.2	5.2	3.6
Barium	mg/Kg	88.9	65.3 J	115 J	63.2 J	72 J	75.4 J	75.9 J	45.8 J	59.5 J	67 J
Beryllium	mg/Kg	0.71 J	0.74 J	0.8 J	0.53 J	0.69 J	0.67 J	0.64 J	0.54 J	0.64 J	0.66 J
Cadmium	mg/Kg	0.47 J	0.26 J	3.6	24	0.45 J	0.52 J	0.55 J	0.58 J	0.24 J	0.35 J
Calcium	mg/Kg	6810	3830 J	15500 J	26400 J	13300 J	40500 J	41500 J	39800 J	5440 J	7410 J
Chromium	mg/Kg	26.8	22.9 J	31.8 J	43.5 J	23.2 J	21.6 J	22.1 J	19.1 J	21.5 J	19 J
Cobalt	mg/Kg	14.3	11.6	13.7	13.5	12.4	12	13.7	10.7	9.7 J	10 J
Copper	mg/Kg	32	27.1 J	33.5 J	49.6 J	33.4 J	35.1 J	37.4 J	35.3 J	20.2 J	28.3 J
Iron	mg/Kg	34300	30100 J	31200 J	28000 J	28100 J	26500 J	28000 J	25000 J	25000 J	22700 J
Lead	mg/Kg	27.4	18.5	24.9	38.3	22.3	15	20.7	15.6	15.5	22.3
Magnesium	mg/Kg	6010	4530 J	6790 J	9400 J	6350 J	8310 J	9180 J	8160 J	4400 J	4450 J
Manganese	mg/Kg	484	278 J	728 J	396 J	372 J	403 J	438 J	359 J	350 J	497 J
Mercury	mg/Kg	0.06 J R	0.05 J	0.49	0.03 J	0.06 J	0.04 J	0.03 J	0.04 J	0.06 J	0.07 J
Nickel	mg/Kg	41.8	31.5 J	38.7 J	44.2 J	42 J	42 J	45.7 J	39.1 J	23.9 J	26.8 J
Potassium	mg/Kg	2160 J	1180 J	1850 J	1250 J	1490 J	2150 J	1670 J	1310 J	1530 J	1670 J
Selenium	mg/Kg	0.89 J	1.5	1.6	0.91	1.5	0.75	0.95	0.74	1.3	1.3
Silver	mg/Kg	0.1 U	0.1 U	0.12 U	0.07 U	0.1 U	0.07 U	0.08 U	0.07 U	0.12 U	0.12 U
Sodium	mg/Kg	115 J	50.6 J	88.4 J	124 J	84.8 J	138 J	132 J	124 J	50.6 J	45.4 U
Thallium	mg/Kg	0.51 J	0.38 U	0.47 U	0.45 J	0.39 U	0.3 J	0.36 J	0.29 J	0.44 U	0.44 U
Vanadium	mg/Kg	28.2	25.2 J	27.2 J	16.8 J	21.2 J	22.4 J	19.3 J	16.8 J	27.6 J	23.1 J
Zinc	mg/Kg	91.3 J	74.8 J	108 J	100 J	76.5 J	88.9 J	82.4 J	95.7 J	68.6 J	79 J
Cyanide	mg/Kg	0.59 UJ	0.65 U	0.52 U	0.37 U	0.36 U	0.48 U	0.45 U	0.4 U	0.46 U	0.46 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	79.4	63.7	73.4	92.4	81.2	89.5	87.4	85.8	85.2	81.9

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX / LOCATION / DEPTH (FEET) / SAMPLE DATE / ES ID / LAB ID / SDG NUMBER / UNITS	SOIL / SEAD-63 / 1.5 / 06/28/94 / TP63-10 / 225803 / 45062	SOIL / SEAD-63 / 3 / 06/28/94 / TP63-11 / 225804 / 45062	SOIL / SEAD-63 / 5 / 06/28/94 / TP63-12 / 225805 / 45062	SOIL / SEAD-63 / 3 / 06/28/94 / TP63-511 / 225806 / 45062 / TP63-11DUP
VOLATILE ORGANICS					
Chloromethane	ug/Kg	12 U	11 U	12 U	11 U
Bromomethane	ug/Kg	12 U	11 U	12 U	11 U
Vinyl Chloride	ug/Kg	12 U	11 U	12 U	11 U
Chloroethane	ug/Kg	12 U	11 U	12 U	11 U
Methylene Chloride	ug/Kg	12 U	11 U	12 U	11 U
Acetone	ug/Kg	12 U	11 U	12 U	11 U
Carbon Disulfide	ug/Kg	12 U	11 U	12 U	11 U
1,1-Dichloroethene	ug/Kg	12 U	11 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	12 U	11 U	12 U	11 U
1,2-Dichloroethene (total)	ug/Kg	12 U	11 U	12 U	11 U
Chloroform	ug/Kg	12 U	11 U	12 U	11 U
1,2-Dichloroethane	ug/Kg	12 U	11 U	12 U	11 U
2-Butanone	ug/Kg	12 U	11 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	11 U	12 U	11 U
Carbon Tetrachloride	ug/Kg	12 U	11 U	12 U	11 U
Bromodichloromethane	ug/Kg	12 U	11 U	12 U	11 U
1,2-Dichloropropane	ug/Kg	12 U	11 U	12 U	11 U
cis-1,3-Dichloropropene	ug/Kg	12 U	11 U	12 U	11 U
Trichloroethene	ug/Kg	12 U	11 U	12 U	11 U
Dibromochloromethane	ug/Kg	12 U	11 U	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	11 U	12 U	11 U
Benzene	ug/Kg	12 U	11 U	12 U	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	11 U	12 U	11 U
Bromoform	ug/Kg	12 U	11 U	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	11 U	12 U	11 U
2-Hexanone	ug/Kg	12 U	11 U	12 U	11 U
Tetrachloroethene	ug/Kg	12 U	11 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	11 U	12 U	11 U
Toluene	ug/Kg	12 U	11 U	12 U	11 U
Chlorobenzene	ug/Kg	12 U	11 U	12 U	11 U
Ethylbenzene	ug/Kg	12 U	11 U	12 U	11 U
Styrene	ug/Kg	12 U	11 U	12 U	11 U
Xylene (total)	ug/Kg	12 U	11 U	12 U	11 U
HERBICIDES					
2,4-D	ug/Kg				
2,4-DB	ug/Kg				
2,4,5-T	ug/Kg				
2,4,5-TP (Silvex)	ug/Kg				
Dalapon	ug/Kg				
Dicamba	ug/Kg				
Dichloroprop	ug/Kg				
Dinoseb	ug/Kg				
MCPA	ug/Kg				
MCPP	ug/Kg				
NITROAROMATICS					
HMX	ug/Kg				
RDX	ug/Kg				
1,3,5-Trinitrobenzene	ug/Kg				
1,3-Dinitrobenzene	ug/Kg				
Tetryl	ug/Kg				
2,4,6-Trinitrotoluene	ug/Kg				
4-amino-2,6-Dinitrotoluene	ug/Kg				
2-amino-4,6-Dinitrotoluene	ug/Kg				
2,6-Dinitrotoluene	ug/Kg				
2,4-Dinitrotoluene	ug/Kg				

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-63 1.5 06/28/94 TP63-10 225803 45062	SOIL SEAD-63 3 06/28/94 TP63-11 225804 45062	SOIL SEAD-63 5 06/28/94 TP63-12 225805 45062	SOIL SEAD-63 3 06/28/94 TP63-511 225806 45062 TP63-11DUP
SEMIVOLATILE ORGANICS					
Phenol	ug/Kg	410 U	370 U	390 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	410 U	370 U	390 U	370 U
2-Chlorophenol	ug/Kg	410 U	370 U	390 U	370 U
1,3-Dichlorobenzene	ug/Kg	410 U	370 U	390 U	370 U
1,4-Dichlorobenzene	ug/Kg	410 U	370 U	390 U	370 U
1,2-Dichlorobenzene	ug/Kg	410 U	370 U	390 U	370 U
2-Methylphenol	ug/Kg	410 U	370 U	390 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	410 U	370 U	390 U	370 U
4-Methylphenol	ug/Kg	410 U	370 U	390 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	410 U	370 U	390 U	370 U
Hexachloroethane	ug/Kg	410 U	370 U	390 U	370 U
Nitrobenzene	ug/Kg	410 U	370 U	390 U	370 U
Isophorone	ug/Kg	410 U	370 U	390 U	370 U
2-Nitrophenol	ug/Kg	410 U	370 U	390 U	370 U
2,4-Dimethylphenol	ug/Kg	410 U	370 U	390 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	410 U	370 U	390 U	370 U
2,4-Dichlorophenol	ug/Kg	410 U	370 U	390 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	410 U	370 U	390 U	370 U
Naphthalene	ug/Kg	410 U	370 U	390 U	370 U
4-Chloroaniline	ug/Kg	410 U	370 U	390 U	370 U
Hexachlorobutadiene	ug/Kg	410 U	370 U	390 U	370 U
4-Chloro-3-methylphenol	ug/Kg	410 U	370 U	390 U	370 U
2-Methylnaphthalene	ug/Kg	410 U	370 U	390 U	370 U
Hexachlorocyclopentadiene	ug/Kg	410 U	370 U	390 U	370 U
2,4,6-Trichlorophenol	ug/Kg	410 U	370 U	390 U	370 U
2,4,5-Trichlorophenol	ug/Kg	1000 U	890 U	950 U	900 U
2-Chloronaphthalene	ug/Kg	410 U	370 U	390 U	370 U
2-Nitroaniline	ug/Kg	1000 U	690 U	950 U	900 U
Dimethylphthalate	ug/Kg	410 U	370 U	390 U	370 U
Acenaphthylene	ug/Kg	410 U	370 U	390 U	370 U
2,6-Dinitrotoluene	ug/Kg	410 U	370 U	390 U	370 U
3-Nitroaniline	ug/Kg	1000 U	890 U	950 U	900 U
Acenaphthene	ug/Kg	410 U	370 U	390 U	370 U
2,4-Dinitrophenol	ug/Kg	1000 U	890 U	950 U	900 U
4-Nitrophenol	ug/Kg	1000 U	890 U	950 U	900 U
Dibenzofuran	ug/Kg	410 U	370 U	390 U	370 U
2,4-Dinitrotoluene	ug/Kg	410 U	370 U	390 U	370 U
Diethylphthalate	ug/Kg	410 U	370 U	390 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	410 U	370 U	390 U	370 U
Fluorene	ug/Kg	410 U	370 U	390 U	370 U
4-Nitroaniline	ug/Kg	1000 U	890 U	950 U	900 U
4,6-Dinitro-2-methylphenol	ug/Kg	1000 U	690 U	950 U	900 U
N-Nitrosodiphenylamine	ug/Kg	410 U	370 U	390 U	370 U
4-Bromophenyl-phenylether	ug/Kg	410 U	370 U	390 U	370 U
Hexachlorobenzene	ug/Kg	410 U	370 U	390 U	370 U
Pentachlorophenol	ug/Kg	1000 U	890 U	950 U	900 U
Phenanthrene	ug/Kg	410 U	370 U	390 U	370 U
Anthracene	ug/Kg	410 U	370 U	390 U	370 U
Carbazole	ug/Kg	410 U	370 U	390 U	370 U
Di-n-butylphthalate	ug/Kg	410 U	370 U	390 U	370 U
Fluoranthene	ug/Kg	410 U	370 U	390 U	370 U
Pyrene	ug/Kg	410 U	370 U	390 U	370 U
Butylbenzylphthalate	ug/Kg	410 U	370 U	390 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	410 U	370 U	390 U	370 U
Benzo(a)anthracene	ug/Kg	410 U	370 U	390 U	370 U
Chrysene	ug/Kg	410 U	370 U	390 U	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	67 J	240 J	28 J	360 J
Di-n-octylphthalate	ug/Kg	410 U	370 U	390 U	370 U
Benzo(b)fluoranthene	ug/Kg	410 U	370 U	390 U	370 U
Benzo(k)fluoranthene	ug/Kg	410 U	370 U	390 U	370 U
Benzo(a)pyrene	ug/Kg	410 U	370 U	390 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	410 U	370 U	390 U	370 U
Dibenz(a,h)anthracene	ug/Kg	410 U	370 U	390 U	370 U
Benzo(g,h,i)perylene	ug/Kg	410 U	370 U	390 U	370 U

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX / LOCATION / DEPTH (FEET) / SAMPLE DATE / ES ID / LAB ID / SDG NUMBER / UNITS	SOIL SEAD-63 1.5 06/28/94 TP63-10 225803 45062	SOIL SEAD-63 3 06/28/94 TP63-11 225804 45062	SOIL SEAD-63 5 06/28/94 TP63-12 225805 45062	SOIL SEAD-63 3 06/28/94 TP63-511 225806 45062 TP63-11DUP
PESTICIDES/PCB					
alpha-BHC	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
beta-BHC	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
delta-BHC	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Heptachlor	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Aldrin	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Heptachlor epoxide	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Endosulfan I	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Dieldrin	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
4,4'-DDE	ug/Kg	4.1 U	1.8 J	3.9 U	2.5 J
Endrin	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
Endosulfan II	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
4,4'-DDD	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
Endosulfan sulfate	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
4,4'-DDT	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
Methoxychlor	ug/Kg	21 U	19 U	20 U	19 U
Endrin ketone	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
Endrin aldehyde	ug/Kg	4.1 U	3.7 U	3.9 U	3.7 U
alpha-Chlordane	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
gamma-Chlordane	ug/Kg	2.1 U	1.9 U	2 U	1.9 U
Toxaphene	ug/Kg	210 U	190 U	200 U	190 U
Aroclor-1016	ug/Kg	41 U	37 U	39 U	37 U
Aroclor-1221	ug/Kg	84 U	74 U	80 U	75 U
Aroclor-1232	ug/Kg	41 U	37 U	39 U	37 U
Aroclor-1242	ug/Kg	41 U	37 U	39 U	37 U
Aroclor-1248	ug/Kg	41 U	37 U	39 U	37 U
Aroclor-1254	ug/Kg	41 U	37 U	39 U	37 U
Aroclor-1260	ug/Kg	41 U	37 U	39 U	37 U
METALS					
Aluminum	mg/Kg	18000 J	13200 J	13800 J	15200 J
Antimony	mg/Kg	0.31 UJ	0.23 UJ	0.29 J	0.24 UJ
Arsenic	mg/Kg	5.3	4.3	4.1	4.6
Barium	mg/Kg	72.4 J	60 J	68.7 J	71.1 J
Beryllium	mg/Kg	0.71 J	0.62 J	0.67 J	0.75 J
Cadmium	mg/Kg	0.39 J	4.2	0.34 J	4.9
Calcium	mg/Kg	14200 J	27500 J	8630 J	26000 J
Chromium	mg/Kg	24.6 J	25.4 J	23.8 J	40.3 J
Cobalt	mg/Kg	12.7	12.4	14.4	13
Copper	mg/Kg	27.3 J	32.9 J	39.1 J	36.2 J
Iron	mg/Kg	26500 J	28100 J	30500 J	30600 J
Lead	mg/Kg	17.1	24.8	19.5	33.4
Magnesium	mg/Kg	5520 J	7970 J	6110 J	8020 J
Manganese	mg/Kg	452 J	458 J	449 J	386 J
Mercury	mg/Kg	0.05 J	0.04 J	0.05 J	0.04 J
Nickel	mg/Kg	33.5 J	41.3 J	48.4 J	46 J
Potassium	mg/Kg	2000 J	1460 J	1460 J	1700 J
Selenium	mg/Kg	1.1 J	1.1	1.1	1.1
Silver	mg/Kg	0.12 U	0.09 U	0.09 U	0.09 U
Sodium	mg/Kg	46.7 U	84.8 J	39.3 J	58.8 J
Thallium	mg/Kg	0.45 U	0.33 U	0.32 U	0.35 U
Vanadium	mg/Kg	26.4 J	18.7 J	18.8 J	21.1 J
Zinc	mg/Kg	63.4 J	76.3 J	70.9 J	131 J
Cyanide	mg/Kg	0.56 U	0.52 U	0.54 U	0.56 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/Kg				
Total Petroleum Hydrocarbons	mg/Kg				
Total Solids	%W/W	79.6	90.2	83.7	89.1

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-63	SEAD-63	SEAD-63
	SAMPLE DATE	07/11/94	07/11/94	07/11/94
	ES ID	MW63-1	MW63-2	MW63-3
	LAB ID	226665	226666	226667
	SDG NUMBER	45282	45282	45282
	UNITS			
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-63	SEAD-63	SEAD-63
	SAMPLE DATE	07/11/94	07/11/94	07/11/94
	ES ID	MW63-1	MW63-2	MW63-3
	LAB ID	226665	226666	226667
	SDG NUMBER	45282	45282	45282
COMPOUND	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/L	11 UJ	11 U	2 J
bis(2-Chloroethyl) ether	ug/L	11 UJ	11 U	10 UJ
2-Chlorophenol	ug/L	11 UJ	11 U	10 UJ
1,3-Dichlorobenzene	ug/L	11 UJ	11 U	10 UJ
1,4-Dichlorobenzene	ug/L	11 UJ	11 U	10 UJ
1,2-Dichlorobenzene	ug/L	11 UJ	11 U	10 UJ
2-Methylphenol	ug/L	11 UJ	11 U	10 UJ
2,2'-oxybis(1-Chloropropane)	ug/L	11 UJ	11 U	10 UJ
4-Methylphenol	ug/L	11 UJ	11 U	10 UJ
N-Nitroso-di-n-propylamine	ug/L	11 UJ	11 U	10 UJ
Hexachloroethane	ug/L	11 UJ	11 U	10 UJ
Nitrobenzene	ug/L	11 UJ	11 U	10 UJ
Isophorone	ug/L	11 UJ	11 U	10 UJ
2-Nitrophenol	ug/L	11 UJ	11 U	10 UJ
2,4-Dimethylphenol	ug/L	11 UJ	11 U	10 UJ
bis(2-Chloroethoxy) methane	ug/L	11 UJ	11 U	10 UJ
2,4-Dichlorophenol	ug/L	11 UJ	11 U	10 UJ
1,2,4-Trichlorobenzene	ug/L	11 UJ	11 U	10 UJ
Naphthalene	ug/L	11 UJ	11 U	10 UJ
4-Chloroaniline	ug/L	11 UJ	11 U	10 UJ
Hexachlorobutadiene	ug/L	11 UJ	11 U	10 UJ
4-Chloro-3-methylphenol	ug/L	11 UJ	11 U	10 UJ
2-Methylnaphthalene	ug/L	11 UJ	11 U	10 UJ
Hexachlorocyclopentadiene	ug/L	11 UJ	11 U	10 UJ
2,4,6-Trichlorophenol	ug/L	11 UJ	11 U	10 UJ
2,4,5-Trichlorophenol	ug/L	27 UJ	26 U	26 UJ
2-Chloronaphthalene	ug/L	11 UJ	11 U	10 UJ
2-Nitroaniline	ug/L	27 UJ	26 U	26 UJ
Dimethylphthalate	ug/L	11 UJ	11 U	10 UJ
Acenaphthylene	ug/L	11 UJ	11 U	10 UJ
2,6-Dinitrotoluene	ug/L	11 UJ	11 U	10 UJ
3-Nitroaniline	ug/L	27 UJ	26 U	26 UJ
Acenaphthene	ug/L	11 UJ	11 U	10 UJ
2,4-Dinitrophenol	ug/L	27 UJ	26 U	26 UJ
4-Nitrophenol	ug/L	27 UJ	26 U	26 UJ
Dibenzofuran	ug/L	11 UJ	11 U	10 UJ
2,4-Dinitrotoluene	ug/L	11 UJ	11 U	10 UJ
Diethylphthalate	ug/L	11 UJ	11 U	10 UJ
4-Chlorophenyl-phenylether	ug/L	11 UJ	11 U	10 UJ
Fluorene	ug/L	11 UJ	11 U	10 UJ
4-Nitroaniline	ug/L	27 UJ	26 U	26 UJ
4,6-Dinitro-2-methylphenol	ug/L	27 UJ	26 U	26 UJ
N-Nitrosodiphenylamine	ug/L	11 UJ	11 U	10 UJ
4-Bromophenyl-phenylether	ug/L	11 UJ	11 U	10 UJ
Hexachlorobenzene	ug/L	11 UJ	11 U	10 UJ
Pentachlorophenol	ug/L	27 UJ	26 U	26 UJ
Phenanthrene	ug/L	11 UJ	11 U	10 UJ
Anthracene	ug/L	11 UJ	11 U	10 UJ
Carbazole	ug/L	11 UJ	11 U	10 UJ
Di-n-butylphthalate	ug/L	11 UJ	11 U	10 UJ
Fluoranthene	ug/L	11 UJ	11 U	10 UJ
Pyrene	ug/L	11 UJ	11 U	10 UJ
Butylbenzylphthalate	ug/L	11 UJ	11 U	10 UJ
3,3'-Dichlorobenzidine	ug/L	11 UJ	11 U	10 UJ
Benzo(a)anthracene	ug/L	11 UJ	11 U	10 UJ
Chrysene	ug/L	11 UJ	11 U	10 UJ
bis(2-Ethylhexyl)phthalate	ug/L	11 UJ	13 U	10 UJ
Di-n-octylphthalate	ug/L	11 UJ	11 U	10 UJ
Benzo(b)fluoranthene	ug/L	11 UJ	11 U	10 UJ
Benzo(k)fluoranthene	ug/L	11 UJ	11 U	10 UJ
Benzo(a)pyrene	ug/L	11 UJ	11 U	10 UJ
Indeno(1,2,3-cd)pyrene	ug/L	11 UJ	11 U	10 UJ
Dibenz(a,h)anthracene	ug/L	11 UJ	11 U	10 UJ
Benzo(g,h,i)perylene	ug/L	11 UJ	11 U	10 UJ

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-63	SEAD-63	SEAD-63
	SAMPLE DATE	07/11/94	07/11/94	07/11/94
	ES ID	MW63-1	MW63-2	MW63-3
	LAB ID	226665	226666	226667
	SDG NUMBER	45282	45282	45282
	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.052 U	0.056 U	0.052 U
beta-BHC	ug/L	0.052 U	0.056 U	0.052 U
delta-BHC	ug/L	0.052 U	0.056 U	0.052 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.056 U	0.052 U
Heptachlor	ug/L	0.052 U	0.056 U	0.052 U
Aldrin	ug/L	0.052 U	0.056 U	0.052 U
Heptachlor epoxide	ug/L	0.052 U	0.056 U	0.052 U
Endosulfan I	ug/L	0.052 U	0.056 U	0.052 U
Dieldrin	ug/L	0.1 U	0.11 U	0.1 U
4,4'-DDE	ug/L	0.1 U	0.11 U	0.1 U
Endrin	ug/L	0.1 U	0.11 U	0.1 U
Endosulfan II	ug/L	0.1 U	0.11 U	0.1 U
4,4'-DDD	ug/L	0.1 U	0.11 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.1 U
4,4'-DDT	ug/L	0.1 U	0.11 U	0.1 U
Methoxychlor	ug/L	0.52 U	0.56 U	0.52 U
Endrin ketone	ug/L	0.1 U	0.11 U	0.1 U
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.1 U
alpha-Chlordane	ug/L	0.052 U	0.056 U	0.052 U
gamma-Chlordane	ug/L	0.052 U	0.056 U	0.052 U
Toxaphene	ug/L	5.2 U	5.6 U	5.2 U
Aroclor-1016	ug/L	1 U	1.1 U	1 U
Aroclor-1221	ug/L	2.1 U	2.2 U	2.1 U
Aroclor-1232	ug/L	1 U	1.1 U	1 U
Aroclor-1242	ug/L	1 U	1.1 U	1 U
Aroclor-1248	ug/L	1 U	1.1 U	1 U
Aroclor-1254	ug/L	1 U	1.1 U	1 U
Aroclor-1260	ug/L	1 U	1.1 U	1 U
METALS				
Aluminum	ug/L	747	376	743
Antimony	ug/L	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U
Barium	ug/L	72.6 J	71.2 J	83 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U
Calcium	ug/L	89400	132000	295000
Chromium	ug/L	1.1 J	0.91 J	1.1 J
Cobalt	ug/L	6.2 J	2.4 J	6.2 J
Copper	ug/L	2.1 J	1.4 J	2.6 J
Iron	ug/L	1260	603	1020
Lead	ug/L	1.1 J	0.89 U	0.9 U
Magnesium	ug/L	16400	20000	54600
Manganese	ug/L	548	1070	408
Mercury	ug/L	0.04 U	0.04 U	0.04 U
Nickel	ug/L	9.7 J	4.3 J	10.6 J
Potassium	ug/L	3870 J	2360 J	5340
Selenium	ug/L	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U
Sodium	ug/L	5710	5860	146000
Thallium	ug/L	1.9 U	1.9 U	1.9 U
Vanadium	ug/L	1.5 J	0.61 J	1.5 J
Zinc	ug/L	7.1 J	6.2 J	11.6 J
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.3	7.3	6.8
Conductivity	umhos/cm	445	650	2100
Temperature	°C	15.2	17.6	18.4
Turbidity	NTU	115	60	68

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-63 06/14/94 SW63-1 224159 44745	WATER SEAD-63 06/12/94 SW63-2 224080 44745	WATER SEAD-63 06/14/94 SW63-3 224160 44745	WATER SEAD-63 06/13/94 SW63-4 224081 44745
VOLATILE ORGANICS					
Chloromethane	ug/L	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U
HERBICIDES					
2,4-D	ug/L				
2,4-DB	ug/L				
2,4,5-T	ug/L				
2,4,5-TP (Silvex)	ug/L				
Dalapon	ug/L				
Dicamba	ug/L				
Dichloroprop	ug/L				
Dinoseb	ug/L				
MCPA	ug/L				
MCPP	ug/L				
NITROAROMATICS					
HMX	ug/L				
RDX	ug/L				
1,3,5-Trinitrobenzene	ug/L				
1,3-Dinitrobenzene	ug/L				
Tetryl	ug/L				
2,4,6-Trinitrotoluene	ug/L				
4-amino-2,6-Dinitrotoluene	ug/L				
2-amino-4,6-Dinitrotoluene	ug/L				
2,6-Dinitrotoluene	ug/L				
2,4-Dinitrotoluene	ug/L				

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-63 06/14/94 SW63-1 224159 44745	WATER SEAD-63 06/12/94 SW63-2 224080 44745	WATER SEAD-63 06/14/94 SW63-3 224160 44745	WATER SEAD-63 06/13/94 SW63-4 224081 44745
SEMIVOLATILE ORGANICS					
Phenol	ug/L	10 U	0.8 J	10 U	0.8 J
bis(2-Chloroethyl) ether	ug/L	10 U	11 U	10 U	11 U
2-Chlorophenol	ug/L	10 U	11 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	11 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	11 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	11 U	10 U	11 U
2-Methylphenol	ug/L	10 U	11 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	11 U	10 U	11 U
4-Methylphenol	ug/L	10 U	11 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	11 U	10 U	11 U
Hexachloroethane	ug/L	10 U	11 U	10 U	11 U
Nitrobenzene	ug/L	10 U	11 U	10 U	11 U
Isophorone	ug/L	10 U	11 U	10 U	11 U
2-Nitrophenol	ug/L	10 U	11 U	10 U	11 U
2,4-Dimethylphenol	ug/L	10 U	11 U	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	11 U	10 U	11 U
2,4-Dichlorophenol	ug/L	10 U	11 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	11 U	10 U	11 U
Naphthalene	ug/L	10 U	11 U	10 U	11 U
4-Chloroaniline	ug/L	10 U	11 U	10 U	11 U
Hexachlorobutadiene	ug/L	10 U	11 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	11 U	10 U	11 U
2-Methylnaphthalene	ug/L	10 U	11 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	11 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	11 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	25 U	27 U	25 U	27 U
2-Chloronaphthalene	ug/L	10 U	11 U	10 U	11 U
2-Nitroaniline	ug/L	25 U	27 U	25 U	27 U
Dimethylphthalate	ug/L	10 U	11 U	10 U	11 U
Acenaphthylene	ug/L	10 U	11 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	11 U	10 U	11 U
3-Nitroaniline	ug/L	25 U	27 U	25 U	27 U
Acenaphthene	ug/L	10 U	11 U	10 U	11 U
2,4-Dinitrophenol	ug/L	25 U	27 U	25 U	27 U
4-Nitrophenol	ug/L	25 U	27 U	25 U	27 U
Dibenzofuran	ug/L	10 U	11 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	11 U	10 U	11 U
Diethylphthalate	ug/L	10 U	11 U	10 U	11 U
4-Chlorophenyl-phenylether	ug/L	10 U	11 U	10 U	11 U
Fluorene	ug/L	10 U	11 U	10 U	11 U
4-Nitroaniline	ug/L	25 U	27 U	25 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	25 U	27 U	25 U	27 U
N-Nitrosodiphenylamine	ug/L	10 U	11 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U	11 U	10 U	11 U
Hexachlorobenzene	ug/L	10 U	11 U	10 U	11 U
Pentachlorophenol	ug/L	1 J	27 U	25 U	27 U
Phenanthrene	ug/L	10 U	11 U	10 U	11 U
Anthracene	ug/L	10 U	11 U	10 U	11 U
Carbazole	ug/L	10 U	11 U	10 U	11 U
Di-n-butylphthalate	ug/L	10 U	11 U	10 U	11 U
Fluoranthene	ug/L	0.7 J	11 U	10 U	11 U
Pyrene	ug/L	0.5 J	11 U	10 U	11 U
Butylbenzylphthalate	ug/L	10 U	11 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	11 U	10 U	11 U
Benzo(a)anthracene	ug/L	10 U	11 U	10 U	11 U
Chrysene	ug/L	10 U	11 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	1 J	11 U	68	11 U
Di-n-octylphthalate	ug/L	10 U	11 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	11 U	0.9 J	11 U
Benzo(k)fluoranthene	ug/L	10 U	11 U	1 J	11 U
Benzo(a)pyrene	ug/L	10 U	11 U	1 J	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 U	0.9 J	11 U
Dibenz(a,h)anthracene	ug/L	10 U	11 U	0.8 J	11 U
Benzo(g,h,i)perylene	ug/L	10 U	11 U	0.8 J	11 U

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-63 06/14/94 SW63-1 224159 44745	WATER SEAD-63 06/12/94 SW63-2 224060 44745	WATER SEAD-63 06/14/94 SW63-3 224160 44745	WATER SEAD-63 06/13/94 SW63-4 224061 44745
PESTICIDES/PCB					
alpha-BHC	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
beta-BHC	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
delta-BHC	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
gamma-BHC (Lindane)	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Heptachlor	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Aldrin	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Heptachlor epoxide	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Endosulfan I	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Dieldrin	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
4,4'-DDE	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endrin	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endosulfan II	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
4,4'-DDD	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endosulfan sulfate	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
4,4'-DDT	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Methoxychlor	ug/L	0.53 U	0.54 UJ	0.52 UJ	0.53 U
Endrin ketone	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
Endrin aldehyde	ug/L	0.11 U	0.11 UJ	0.1 UJ	0.11 U
alpha-Chlordane	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
gamma-Chlordane	ug/L	0.053 U	0.054 UJ	0.052 UJ	0.053 U
Toxaphene	ug/L	5.3 U	5.4 UJ	5.2 UJ	5.3 U
Aroclor-1016	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1221	ug/L	2.1 U	2.2 UJ	2.1 UJ	2.1 U
Aroclor-1232	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1242	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1248	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1254	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
Aroclor-1260	ug/L	1.1 U	1.1 UJ	1 UJ	1.1 U
METALS					
Aluminum	ug/L	111 J	3630	235	332
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	3.8 J	2 U	2 U
Barium	ug/L	27.9 J	91.4 J	26.4 J	43.1 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.78 J	0.2 U	0.2 U
Calcium	ug/L	89100	220000	75300	122000
Chromium	ug/L	0.88 J	5.6 J	1 J	0.66 J
Cobalt	ug/L	1.2 J	7.2 J	0.5 U	0.99 J
Copper	ug/L	4.8 J	7.9 J	5.8 J	2.8 J
Iron	ug/L	148	9050	282	858
Lead	ug/L	0.9 U	20	0.9 U	0.9 U
Magnesium	ug/L	12900	33700	9640	18700
Manganese	ug/L	101	2300	7.3 J	1200
Mercury	ug/L	0.03 U	0.04 J	0.1 J	0.03 J
Nickel	ug/L	2.5 J	18.8 J	2.3 J	2 J
Potassium	ug/L	3420 J	7910	4200 J	1660 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.89 J	0.5 U	0.53 J	0.5 U
Sodium	ug/L	59300	30700	55100	25400
Thallium	ug/L	1.9 J	1.9 U	1.9 U	1.9 U
Vanadium	ug/L	1.6 J	8.9 J	1.4 J	1.1 J
Zinc	ug/L	2.5 J	99	2.2 J	12.2 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L				
pH	Standard Units	7.2	7.4	8	7.2
Conductivity	umhos/cm	800	100	700	650
Temperature	°C	27.5	26	28	19
Turbidity	NTU	6	212	8.8	33

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/13/94	06/12/94	06/13/94	06/13/94	06/13/94
	ES ID	SD63-1	SD63-2	SD63-3	SD63-3RE	SD63-4
	LAB ID	224082	224083	224084	224084	224085
	SDG NUMBER	44748	44748	44748	44748	44748
COMPOUND	UNITS					
VOLATILE ORGANICS						
Chloromethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Bromomethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Vinyl Chloride	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Chloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Methylene Chloride	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Acetone	ug/Kg	15 U	23 UJ	12 UJ	12 UJ	150 J
Carbon Disulfide	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,1-Dichloroethene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,1-Dichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,2-Dichloroethene (total)	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Chloroform	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,2-Dichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
2-Butanone	ug/Kg	15 U	8 J	12 UJ	12 UJ	35 J
1,1,1-Trichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Carbon Tetrachloride	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Bromodichloromethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,2-Dichloropropene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
cis-1,3-Dichloropropene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Trichloroethene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Dibromochloromethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,1,2-Trichloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Benzene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
trans-1,3-Dichloropropene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Bromoform	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
4-Methyl-2-Pentanone	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
2-Hexanone	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Tetrachloroethene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Toluene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	14 J
Chlorobenzene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Ethylbenzene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Styrene	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
Xylene (total)	ug/Kg	15 U	18 UJ	12 UJ	12 UJ	22 UJ
HERBICIDES						
2,4-D	ug/Kg					
2,4-DB	ug/Kg					
2,4,5-T	ug/Kg					
2,4,5-TP (Silvex)	ug/Kg					
Dalapon	ug/Kg					
Dicamba	ug/Kg					
Dichloroprop	ug/Kg					
Dinoseb	ug/Kg					
MCPA	ug/Kg					
MCPP	ug/Kg					
NITROAROMATICS						
HMX	ug/Kg					
RDX	ug/Kg					
1,3,5-Trinitrobenzene	ug/Kg					
1,3-Dinitrobenzene	ug/Kg					
Tetryl	ug/Kg					
2,4,6-Trinitrotoluene	ug/Kg					
4-amino-2,6-Dinitrotoluene	ug/Kg					
2-amino-4,6-Dinitrotoluene	ug/Kg					
2,6-Dinitrotoluene	ug/Kg					
2,4-Dinitrotoluene	ug/Kg					

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-63 0-0.2 06/13/94 SD63-1 224082 44748	SOIL SEAD-63 0-0.2 06/12/94 SD63-2 224083 44748	SOIL SEAD-63 0-0.2 06/13/94 SD63-3 224084 44748	SOIL SEAD-63 0-0.2 06/13/94 SD63-3RE 224084 44746	SOIL SEAD-63 0-0.2 06/13/94 SD63-4 224085 44748
SEMIVOLATILE ORGANICS						
Phenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
bis(2-Chloroethyl) ether	ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Chlorophenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
1,3-Dichlorobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
1,4-Dichlorobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
1,2-Dichlorobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Methylphenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Methylphenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
N-Nitroso-di-n-propylamine	ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachloroethane	ug/Kg	480 U	700 UJ	390 U		720 UJ
Nitrobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
Isophorone	ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Nitrophenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dimethylphenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
bis(2-Chloroethoxy) methane	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dichlorophenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
1,2,4-Trichlorobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
Naphthalene	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Chloroaniline	ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachlorobutadiene	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Chloro-3-methylphenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Methylnaphthalene	ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachlorocyclopentadiene	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4,6-Trichlorophenol	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4,5-Trichlorophenol	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
2-Chloronaphthalene	ug/Kg	480 U	700 UJ	390 U		720 UJ
2-Nitroaniline	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Dimethylphthalate	ug/Kg	480 U	700 UJ	390 U		720 UJ
Acenaphthylene	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,6-Dinitrotoluene	ug/Kg	480 U	700 UJ	390 U		720 UJ
3-Nitroaniline	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Acenaphthene	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dinitrophenol	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
4-Nitrophenol	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Dibenzofuran	ug/Kg	480 U	700 UJ	390 U		720 UJ
2,4-Dinitrotoluene	ug/Kg	480 U	700 UJ	390 U		720 UJ
Diethylphthalate	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Chlorophenyl-phenylether	ug/Kg	480 U	700 UJ	390 U		720 UJ
Fluorene	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Nitroaniline	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
N-Nitrosodiphenylamine	ug/Kg	480 U	700 UJ	390 U		720 UJ
4-Bromophenyl-phenylether	ug/Kg	480 U	700 UJ	390 U		720 UJ
Hexachlorobenzene	ug/Kg	480 U	700 UJ	390 U		720 UJ
Pentachlorophenol	ug/Kg	1200 U	1700 UJ	940 U		1700 UJ
Phenanthrene	ug/Kg	49 J	120 J	50 J		270 J
Anthracene	ug/Kg	480 U	700 UJ	390 U		46 J
Carbazole	ug/Kg	480 U	700 UJ	390 U		34 J
Di-n-butylphthalate	ug/Kg	480 U	700 UJ	390 U		720 UJ
Fluoranthene	ug/Kg	110 J	240 J	100 J		720 J
Pyrene	ug/Kg	100 J	220 J	110 J		600 J
Butylbenzylphthalate	ug/Kg	480 U	700 UJ	390 U		720 UJ
3,3'-Dichlorobenzidine	ug/Kg	480 U	700 UJ	390 U		720 UJ
Benzo(a)anthracene	ug/Kg	69 J	140 J	70 J		350 J
Chrysene	ug/Kg	110 J	200 J	110 J		540 J
bis(2-Ethylhexyl)phthalate	ug/Kg	25 J	700 UJ	390 U		720 UJ
Di-n-octylphthalate	ug/Kg	480 U	700 UJ	19 J		720 UJ
Benzo(b)fluoranthene	ug/Kg	130 J	380 J	110 J		860 J
Benzo(k)fluoranthene	ug/Kg	89 J	180 J	66 J		470 J
Benzo(a)pyrene	ug/Kg	73 J	170 J	79 J		540 J
Indeno(1,2,3-cd)pyrene	ug/Kg	46 J	83 J	42 J		320 J
Dibenz(a,h)anthracene	ug/Kg	480 U	700 UJ	390 U		140 J
Benzo(g,h,i)perylene	ug/Kg	38 J	71 J	37 J		230 J

SENECA ARMY DEPOT
SEAD-63 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FEET)	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/13/94	06/12/94	06/13/94	06/13/94	06/13/94
	ES ID	SD63-1	SD63-2	SD63-3	SD63-3RE	SD63-4
	LAB ID	224082	224083	224084	224084	224085
	SDG NUMBER	44748	44748	44748	44748	44748
COMPOUND	UNITS					
PESTICIDES/PCB						
alpha-BHC	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
beta-BHC	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
delta-BHC	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
gamma-BHC (Lindane)	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Heptachlor	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Aldrin	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Heptachlor epoxide	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Endosulfan I	ug/Kg	2.5 UJ	7.5 J	4.6 J		3.7 UJ
Dieldrin	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
4,4'-DDE	ug/Kg	4.9 UJ	6 J	3.9 UJ		9.2 J
Endrin	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
Endosulfan II	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
4,4'-DDD	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		3.9 J
Endosulfan sulfate	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		5.2 J
4,4'-DDT	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		4.3 J
Methoxychlor	ug/Kg	25 UJ	36 UJ	20 UJ		37 UJ
Endrin ketone	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		9.4 J
Endrin aldehyde	ug/Kg	4.9 UJ	7 UJ	3.9 UJ		7.2 UJ
alpha-Chlordane	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
gamma-Chlordane	ug/Kg	2.5 UJ	3.6 UJ	2 UJ		3.7 UJ
Toxaphene	ug/Kg	250 UJ	360 UJ	200 UJ		370 UJ
Aroclor-1016	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1221	ug/Kg	99 UJ	140 UJ	79 UJ		150 UJ
Aroclor-1232	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1242	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1248	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1254	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
Aroclor-1260	ug/Kg	49 UJ	70 UJ	39 UJ		72 UJ
METALS						
Aluminum	mg/Kg	7590	11700 J	11100		11000 J
Antimony	mg/Kg	0.3 UJ	0.33 UJ	0.23 UJ		0.42 UJ
Arsenic	mg/Kg	4.1	3.7 J	4.3		2.4 J
Barium	mg/Kg	36.3 J	63.5 J	37.2		90.6 J
Beryllium	mg/Kg	0.44 J	0.59 J	0.52 J		0.54 J
Cadmium	mg/Kg	0.6 J	0.63 J	0.38 J		0.68 J
Calcium	mg/Kg	101000	89800 J	31500		34100 J
Chromium	mg/Kg	13.8 J	19.1 J	20.3 J		18.2 J
Cobalt	mg/Kg	10.6 J	11.9 J	11.2		10.5 J
Copper	mg/Kg	25.2	35.6 J	32.7		30.7 J
Iron	mg/Kg	17100	19200 J	26500		16700 J
Lead	mg/Kg	33.5 R	37.4 R	27.5 R		37.2 R
Magnesium	mg/Kg	15000	13900 J	6210		6590 J
Manganese	mg/Kg	449	653 J	260		801 J
Mercury	mg/Kg	0.04 J	0.06 J	0.03 J		0.12 J
Nickel	mg/Kg	29.8	35 J	44.2		32.8 J
Potassium	mg/Kg	1370 J	2570 J	1340 J		1670 J
Selenium	mg/Kg	0.62 U	0.68 UJ	1.1		0.97 J
Silver	mg/Kg	0.11 U	0.13 UJ	0.09 U		0.16 UJ
Sodium	mg/Kg	121 J	194 J	197 J		119 J
Thallium	mg/Kg	0.44 U	0.48 UJ	0.34 U		0.62 UJ
Vanadium	mg/Kg	19.9	27.5 J	19.1		21.2 J
Zinc	mg/Kg	105	133 J	68		325 J
Cyanide	mg/Kg	0.6 U	0.97 UJ	0.53 U		0.99 UJ
OTHER ANALYSES						
Nitrate/Nitrite-Nitrogen	mg/Kg					
Total Petroleum Hydrocarbons	mg/Kg					
Total Solids	%W/W	68.1	46.7	85.1		46.2

SENECA ARMY DEPOT
SEAD–63 EXPANDED SITE INSPECTION
SOIL RADIOACTIVITY ANALYSIS RESULTS

	MEDIA	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	SWMU	SEAD–63	SEAD–63	SEAD–63	SEAD–63	SEAD–63	SEAD–63	SEAD–63	SEAD–63	SEAD–63	SEAD–63
	DEPTH (FT)	3	2	6.5	3	2	3	1.5	1.5	1.5	2.5
	DATE SAMPLED	6/25/94	6/26/94	6/26/94	6/26/94	6/26/94	6/27/94	6/27/94	6/27/94	6/27/94	6/27/94
	ES ID	TP63–1	TP63–2	TP63–3	TP63–4	TP63–5	TP63–6	TP63–7	TP63–57	TP63–8	TP63–9
	LAB ID	225672	225673	225674	225675	225676	225677	225678	225680	225682	225683
	UNITS								TP63–7DUP		
Gross Alpha	pCi/g	14 ± 7	12 ± 8	12 ± 8	7 ± 7	8 ± 7	11 ± 8	9 ± 7	12 ± 8	8 ± 7	11 ± 7
Gross Beta	pCi/g	37 ± 6	27 ± 7	22 ± 6	35 ± 7	28 ± 6	32 ± 7	31 ± 7	25 ± 6	22 ± 6	23 ± 6
Gamma Spectral											
Lead–210 @ 46KeV	pCi/g	1.7 ± 0.5	1.6 ± 0.6	1.6 ± 0.4	1.7 ± 0.5	1.9 ± 0.6	1.6 ± 0.4	1.8 ± 0.6	1.5 ± 0.4	1.4 ± 0.5	1.7 ± 0.7
Thorium–234 @ 63.3 KeV	pCi/g	0.42 ± 0.29	0.83 ± 0.41	0.40 ± 0.26	0.74 ± 0.28	1.1 ± 0.4	0.43 ± 0.27	0.75 ± 0.62	0.60 ± 0.28	0.46 ± 0.28	0.91 ± 0.41
Thorium–234 @ 92.6 KeV	pCi/g	0.29 ± 0.21	0.36 ± 0.43	0.31 ± 0.21	0.45 ± 0.22	0.56 ± 0.41	0.29 ± 0.17	0.58 ± 0.43	0.23 ± 0.20	0.42 ± 0.19	0.43 ± 0.47
Radium–226 @ 186 KeV	pCi/g	1.5 ± 0.4	1.2 ± 0.4	1.1 ± 0.3	1.2 ± 0.4	1.4 ± 0.4	1.3 ± 0.4	1.3 ± 0.4	1.5 ± 0.4	1.5 ± 0.4	1.6 ± 0.4
Lead–214 @ 295.2 KeV	pCi/g	0.90 ± 0.15	0.99 ± 0.16	0.81 ± 0.14	1.0 ± 0.2	0.80 ± 0.14	0.88 ± 0.15	0.95 ± 0.16	0.90 ± 0.15	0.72 ± 0.14	0.78 ± 0.14
Lead–214 @ 352 KeV	pCi/g	0.98 ± 0.12	0.91 ± 0.12	0.93 ± 0.11	0.94 ± 0.11	0.94 ± 0.12	0.92 ± 0.11	0.80 ± 0.11	0.94 ± 0.11	0.89 ± 0.11	0.82 ± 0.11
Bismuth–214 @ 609.4 KeV	pCi/g	0.89 ± 0.12	0.81 ± 0.12	0.82 ± 0.11	0.93 ± 0.13	0.89 ± 0.13	0.85 ± 0.12	0.84 ± 0.12	0.87 ± 0.12	0.74 ± 0.11	0.80 ± 0.12
Bismuth–214 @ 1120.4 KeV	pCi/g	1.0 ± 0.3	0.97 ± 0.30	1.0 ± 0.3	0.31 ± 0.65	0.68 ± 0.28	0.91 ± 0.27	0.70 ± 0.29	1.0 ± 0.3	0.88 ± 0.26	0.36 ± 0.26
Bismuth–214 @ 1764.7 KeV	pCi/g	0.85 ± 0.25	0.80 ± 0.26	0.63 ± 0.22	0.96 ± 0.26	0.85 ± 0.27	0.94 ± 0.26	0.91 ± 0.27	0.86 ± 0.25	0.80 ± 0.24	0.51 ± 0.23
Actinium–226 @ 338 KeV	pCi/g	1.0 ± 0.4	0.82 ± 0.36	0.83 ± 0.35	0.98 ± 0.40	1.1 ± 0.4	0.89 ± 0.37	1.2 ± 0.5	0.89 ± 0.37	0.88 ± 0.37	0.95 ± 0.40
Actinium–228 @ 911 KeV	pCi/g	0.91 ± 0.25	1.0 ± 0.3	1.0 ± 0.3	1.1 ± 0.3	1.2 ± 0.3	0.85 ± 0.23	1.0 ± 0.3	0.94 ± 0.25	0.92 ± 0.24	0.89 ± 0.25
Actinium–228 @ 968 KeV	pCi/g	1.3 ± 0.3	1.3 ± 0.4	0.86 ± 0.30	0.94 ± 0.29	1.0 ± 0.4	1.1 ± 0.3	1.0 ± 0.4	1.1 ± 0.3	0.76 ± 0.26	0.80 ± 0.35
Lead–212 @ 238 KeV	pCi/g	0.98 ± 0.19	0.89 ± 0.19	0.78 ± 0.17	0.99 ± 0.20	0.83 ± 0.20	0.87 ± 0.18	0.91 ± 0.17	1.0 ± 0.2	0.81 ± 0.16	0.68 ± 0.15
Bismuth–212 @ 727 KeV	pCi/g	1.2 ± 0.4	0.91 ± 0.39	1.2 ± 0.4	1.3 ± 0.4	0.98 ± 0.41	1.4 ± 0.4	1.8 ± 0.5	1.2 ± 0.4	1.1 ± 0.4	0.93 ± 0.40
Thallium–208 @ 583 KeV	pCi/g	0.32 ± 0.05	0.33 ± 0.06	0.29 ± 0.05	0.33 ± 0.05	0.36 ± 0.06	0.32 ± 0.05	0.37 ± 0.06	0.32 ± 0.05	0.30 ± 0.05	0.29 ± 0.06
Thallium–208 @ 860 KeV	pCi/g	0.43 ± 0.22	0.82 ± 0.69	0.55 ± 0.23	0.53 ± 0.24	0.78 ± 0.73	0.52 ± 0.23	0.51 ± 0.73	0.64 ± 0.24	0.30 ± 0.20	0.36 ± 0.22
Uranium–235 @ 143.8 KeV	pCi/g	−0.09 ± 0.23	0.03 ± 0.06	0.09 ± 0.21	0.00 ± 0.23	0.10 ± 0.06	0.09 ± 0.06	0.09 ± 0.15	0.15 ± 0.22	0.26 ± 0.22	0.05 ± 0.06
Cesium–137 @ 661 KeV	pCi/g	−0.03 ± 0.11	−0.03 ± 0.08	0.10 ± 0.03	0.26 ± 0.04	0.12 ± 0.04	0.07 ± 0.03	−0.09 ± 0.09	−0.03 ± 0.11	0.05 ± 0.03	0.08 ± 0.08
Potassium–40 @ 1460 KeV	pCi/g	23 ± 2	20 ± 2	19 ± 2	25 ± 2	23 ± 2	25 ± 2	24 ± 2	23 ± 2	20 ± 2	19 ± 2

SENECA ARMY DEPOT
SEAD-63 EXPANDED SITE INSPECTION
SOIL RADIOACTIVITY ANALYSIS RESULTS

	MEDIA	SOIL	SOIL	SOIL	SOIL
	SWMU	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FT)	1.5	3	3	5
	DATE SAMPLED	6/28/94	6/28/94	6/28/94	6/28/94
	ES ID	TP63-10	TP63-11	TP63-511	TP63-12
	LAB ID	225821	225822	225825	225824
	UNITS			TP63-11DUP	
Gross Alpha	pCi/g	17 ± 8	7 ± 4	10 ± 5	10 ± 4
Gross Beta	pCi/g	34 ± 7	37 ± 6	40 ± 6	42 ± 6
Gamma Spectral					
Lead-210 @ 46KeV	pCi/g	2.1 ± 0.6	2.1 ± 0.5	1.9 ± 0.7	2.1 ± 0.5
Thorium-234 @ 63.3 KeV	pCi/g	0.94 ± 0.42	0.29 ± 0.26	1.1 ± 0.4	0.46 ± 0.27
Thorium-234 @ 92.6 KeV	pCi/g	0.49 ± 0.43	0.46 ± 0.23	0.48 ± 0.42	0.40 ± 0.19
Radium-226 @ 186 KeV	pCi/g	1.4 ± 0.4	1.5 ± 0.4	1.4 ± 0.4	1.2 ± 0.4
Lead-214 @ 295.2 KeV	pCi/g	0.84 ± 0.15	0.97 ± 0.18	0.96 ± 0.16	0.98 ± 0.16
Lead-214 @ 352 KeV	pCi/g	0.85 ± 0.11	0.96 ± 0.12	0.99 ± 0.12	0.99 ± 0.12
Bismuth-214 @ 609.4 KeV	pCi/g	0.86 ± 0.12	0.95 ± 0.12	0.88 ± 0.13	0.92 ± 0.12
Bismuth-214 @ 1120.4 KeV	pCi/g	0.75 ± 0.29	1.1 ± 0.3	0.21 ± 0.32	0.76 ± 0.26
Bismuth-214 @ 1764.7 KeV	pCi/g	0.66 ± 0.24	0.85 ± 0.25	0.68 ± 0.25	0.89 ± 0.25
Actinium-228 @ 338 KeV	pCi/g	0.84 ± 0.37	0.92 ± 0.38	1.2 ± 0.5	0.95 ± 0.39
Actinium-228 @ 911 KeV	pCi/g	0.87 ± 0.24	1.0 ± 0.3	1.1 ± 0.3	0.95 ± 0.25
Actinium-228 @ 968 KeV	pCi/g	0.92 ± 0.31	1.2 ± 0.3	0.92 ± 0.3	1.2 ± 0.3
Lead-212 @ 238 KeV	pCi/g	0.72 ± 0.18	0.96 ± 0.20	0.99 ± 0.21	1.0 ± 0.2
Bismuth-212 @ 727 KeV	pCi/g	0.86 ± 0.41	1.5 ± 0.4	1.5 ± 0.5	1.2 ± 0.4
Thallium-208 @ 583 KeV	pCi/g	0.29 ± 0.05	0.39 ± 0.06	0.34 ± 0.06	0.39 ± 0.06
Thallium-208 @ 860 KeV	pCi/g	0.56 ± 0.71	0.39 ± 0.22	0.41 ± 0.23	0.40 ± 0.23
Uranium-235 @ 143.8 KeV	pCi/g	−0.02 ± 0.15	0.08 ± 0.06	0.08 ± 0.06	−0.03 ± 0.23
Cesium-137 @ 661 KeV	pCi/g	0.05 ± 0.06	0.26 ± 0.04	0.26 ± 0.05	0.05 ± 0.10
Potassium-40 @ 1460 KeV	pCi/g	20 ± 2	26 ± 2	26 ± 3	27 ± 2

SENECA ARMY DEPOT
SEAD-63 EXPANDED SITE INSPECTION
GROUNDWATER AND RINSATE RADIOACTIVITY ANALYSIS RESULTS

	MEDIA	WATER	WATER	WATER	WATER	WATER	WATER
	SWMU	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-63	SEAD-64
	DATE SAMPLE	7/11/94	7/11/94	7/11/94	6/27/94	6/28/94	6/24/94
	ES ID	MW63-1	MW63-2	MW63-3	TP63-7R	TP63-11R	SB64D-3R
	LAB ID	226695	226696	226697	225679	225823	225627
	UNITS				RINSATE	RINSATE	RINSATE
Gross Alpha	pCi/L	16 ± 11	0 ± 4	92 ± 38	0 ± 1	0 ± 1	1 ± 1
Gross Beta	pCi/L	42 ± 9	3 ± 4	100 ± 30	7 ± 1	1 ± 1	23 ± 2
Gamma Spectral							
Lead-210 @ 46KeV	pCi/L	102U	114U	99U	113U	109U	102U
Thorium-234 @ 63.3 KeV	pCi/L	132U	117U	133U	203U	143U	135U
Thorium-234 @ 92.6 KeV	pCi/L	97U	95U	97U	95U	104U	96U
Radium-226 @ 186 KeV	pCi/L	143U	164.1U	143.7U	162.2U	154.8U	146.6U
Lead-214 @ 295.2 KeV	pCi/L	35.66U	32.88U	36.84U	44U	154.8U	23.54U
Lead-214 @ 352 KeV	pCi/L	13.07U	19.74U	13U	24.74U	14.49U	13.64U
Bismuth-214 @ 609.4 Ke	pCi/L	17.76U	17.32U	18.18U	16.88U	18.48U	17.68U
Bismuth-214 @ 1120.4 Ke	pCi/L	89.97U	97.75U	94.04U	88.45U	88.24U	87.86U
Bismuth-214 @ 1764.7 Ke	pCi/L	88.64U	87.8U	93.44U	50.63U	95.68U	86.77U
Actinium-228 @ 338 KeV	pCi/L	58U	68U	57U	70U	60U	52U
Actinium-228 @ 911 KeV	pCi/L	45U	42U	43U	44U	47U	45U
Actinium-228 @ 968 KeV	pCi/L	75U	75U	73U	75U	80U	73U
Lead-212 @ 238 KeV	pCi/L	13U	14U	13U	13U	14U	13U
Bismuth-212 @ 727 KeV	pCi/L	172U	174U	172U	169U	174U	164U
Thallium-208 @ 583 KeV	pCi/L	583U	12U	8U	8U	13U	8U
Thallium-208 @ 860 KeV	pCi/L	101U	98U	99U	101U	107U	97U
Uranium-235 @ 143.8 Ke	pCi/L	53U	67.47U	53.27U	68.75U	57.84U	54.17U
Cesium-137 @ 661 KeV	pCi/L	12U	12U	12U	13U	12U	12U
Potassium-40 @ 1460 Ke	pCi/L	129.7U	108.1U	129.1U	-22 ± 57	9 ± 75	-35 ± 68

SENECA ARMY DEPOT
SEAD-63 EXPANDED SITE INSPECTION
SURFACE WATER RADIOACTIVITY ANALYSIS RESULTS

	MEDIA	WATER	WATER	WATER	WATER
	SWMU	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DATE SAMPLED	6/14/94	6/14/94	6/14/94	6/14/94
	ES ID	SW63-1	SW63-2	SW63-3	SW63-4
	LAB ID	224321	224314	224322	224315
	UNITS				
Gross Alpha	pCi/L	1 ± 3	75 ± 32	0 ± 3	5 ± 6
Gross Beta	pCi/L	8 ± 4	150 ± 30	6 ± 4	16 ± 7
Gamma Spectral					
Lead-210 @ 46KeV	pCi/L	100U	102U	112U	113U
Thorium-234 @ 63.3 KeV	pCi/L	132U	133U	206U	207U
Thorium-234 @ 92.6 KeV	pCi/L	96U	96U	112U	95U
Radium-226 @ 186 KeV	pCi/L	145.5U	148.7U	164.4U	166.2U
Lead-214 @ 295.2 KeV	pCi/L	33.74U	22.87U	44.55U	31.36U
Lead-214 @ 352 KeV	pCi/L	13.11U	14.36U	19.36U	19.79U
Bismuth-214 @ 609.4 KeV	pCi/L	17.16U	16.84U	16.89U	16.89U
Bismuth-214 @ 1120.4 KeV	pCi/L	89.97U	94.05U	86.8U	60.46U
Bismuth-214 @ 1764.7 KeV	pCi/L	85.5U	91.68U	83U	87.41U
Actinium-228 @ 338 KeV	pCi/L	58U	54U	70U	70U
Actinium-228 @ 911 KeV	pCi/L	42U	41U	42U	42U
Actinium-228 @ 968 KeV	pCi/L	71U	73U	75U	75U
Lead-212 @ 238 KeV	pCi/L	13U	13U	13U	14U
Bismuth-212 @ 727 KeV	pCi/L	168U	172U	172U	175U
Thallium-208 @ 583 KeV	pCi/L	7U	8U	9U	9U
Thallium-208 @ 860 KeV	pCi/L	96U	102U	102U	105U
Uranium-235 @ 143.8 KeV	pCi/L	51.75U	53.85U	66.93U	66.76U
Cesium-137 @ 661 KeV	pCi/L	12U	6U	12U	13U
Potassium-40 @ 1460 KeV	pCi/L	-18 ± 68	130 ± 80	12 ± 60	-15 ± 36

SENECA ARMY DEPOT
SEAD-63 EXPANDED SITE INSPECTION
SEDIMENT RADIOACTIVITY ANALYSIS RESULTS

	MEDIA	SOIL	SOIL	SOIL	SOIL
	SWMU	SEAD-63	SEAD-63	SEAD-63	SEAD-63
	DEPTH (FT)	0-0.2	0-0.2	0-0.2	0-0.2
	DATE SAMPLED	6/13/94	6/12/94	6/13/94	6/13/94
	ES ID	SD63-1	SD63-2	SD63-3	SD63-4
	LAB ID	224313	224309	224310	224311
	UNITS				
Gross Alpha	pCi/g	11 ± 6	13 ± 5	14 ± 5	13 ± 6
Gross Beta	pCi/g	24 ± 6	29 ± 6	36 ± 6	33 ± 6
Gamma Spectral					
Lead-210 @ 46KeV	pCi/g	4.1 ± 0.8	3.2 ± 0.7	2.8 ± 0.7	3.2 ± 0.7
Thorium-234 @ 63.3 KeV	pCi/g	0.5 ± 0.32	0.24 ± 0.24	0.57 ± 0.41	0.07 ± 0.24
Thorium-234 @ 92.6 KeV	pCi/g	0.07 ± 0.14	0.05 ± 0.15	0.6 ± 0.37	0.36 ± 0.16
Radium-226 @ 186 KeV	pCi/g	1.1 ± 0.3	0.93 ± 0.34	0.98 ± 0.96	1.4 ± 0.4
Lead-214 @ 295.2 KeV	pCi/g	0.81 ± 0.14	0.68 ± 0.13	1.1 ± 0.2	0.84 ± 0.14
Lead-214 @ 352 KeV	pCi/g	0.80 ± 0.11	0.79 ± 0.1	1.1 ± 0.1	0.81 ± 0.11
Bismuth-214 @ 609.4 KeV	pCi/g	0.91 ± 0.13	0.66 ± 0.11	1.0 ± 0.1	0.79 ± 0.12
Bismuth-214 @ 1120.4 KeV	pCi/g	0.75 ± 0.26	0.73 ± 0.26	1.1 ± 0.3	1.0 ± 0.3
Bismuth-214 @ 1764.7 KeV	pCi/g	0.98 ± 0.24	0.55 ± 0.2	0.86 ± 0.3	0.74 ± 0.21
Actinium-228 @ 338 KeV	pCi/g	0.57 ± 0.26	0.54 ± 0.25	0.97 ± 0.4	0.67 ± 0.3
Actinium-228 @ 911 KeV	pCi/g	0.55 ± 0.18	0.61 ± 0.19	0.9 ± 0.25	0.76 ± 0.22
Actinium-228 @ 968 KeV	pCi/g	0.65 ± 0.23	0.68 ± 0.23	0.7 ± 0.29	0.93 ± 0.29
Lead-212 @ 238 KeV	pCi/g	0.62 ± 0.14	0.63 ± 0.14	0.91 ± 0.2	0.78 ± 0.16
Bismuth-212 @ 727 KeV	pCi/g	1.0 ± 0.5	0.8 ± 0.53	1.2 ± 0.4	1.3 ± 0.6
Thallium-208 @ 583 KeV	pCi/g	0.21 ± 0.04	0.21 ± 0.04	0.34 ± 0.59	0.22 ± 0.04
Thallium-208 @ 860 KeV	pCi/g	0.51 ± 0.74	0.42 ± 0.21	0.44 ± 0.25	0.39 ± 0.21
Uranium-235 @ 143.8 KeV	pCi/g	0.06 ± 0.06	0.06 ± 0.21	0.02 ± 0.16	0.04 ± 0.22
Cesium-137 @ 661 KeV	pCi/g	0.68 ± 0.07	0.95 ± 0.09	0.13 ± 0.04	1.5 ± 0.1
Potassium-40 @ 1460 KeV	pCi/g	14 ± 1	13 ± 1	21 ± 2	17 ± 1

SEAD-64(A,B,C,D)

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0-0.2	2-4	6-8	0-0.2	2-4	4-7	0-0.2	0-2	2-3	0-0.2
	SAMPLE DATE	05/27/94	05/27/94	05/27/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	04/02/94
	ES ID	SB64A-1-00	SB64A-1-02	SB64A-1-04	SB64A-2-00	SB64A-2-02	SB64A-2-03	SB64A-3-00	SB64A-3-01	SB64A-3-02	MW64A-1.00
	LAB ID	222484	222485	222502	223894	223895	223896	223897	223906	223907	216351
	SDG NUMBER	44410	44410	44410	44725	44725	44725	44725	44748	44748	43257
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Bromomethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Vinyl Chloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Chloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Methylene Chloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Acetone	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Carbon Disulfide	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Chloroform	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
2-Butanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Bromodichloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Trichloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	1 J	11 U	12 U	13 U
Dibromochloromethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Benzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	2 J	12 U	13 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Bromoform	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
2-Hexanone	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Tetrachloroethene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Toluene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	2 J	12 U	13 U
Chlorobenzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Ethylbenzene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Styrene	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
Xylene (total)	ug/Kg	12 U	12 U	11 U	11 U	11 U	12 U	12 U	11 U	12 U	13 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0-0.2	2-4	6-8	0-0.2	2-4	4-7	0-0.2	0-2	2-3	0-0.2
	SAMPLE DATE	05/27/94	05/27/94	05/27/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	04/02/94
	ES ID	SB64A-1-00	SB64A-1-02	SB64A-1-04	SB64A-2-00	SB64A-2-02	SB64A-2-03	SB64A-3-00	SB64A-3-01	SB64A-3-02	MW64A-1.00
	LAB ID	222484	222485	222502	223894	223895	223896	223897	223906	223907	216351
	SDG NUMBER	44410	44410	44410	44725	44725	44725	44725	44748	44748	43257
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	44 J	370 U	370 U	450 U
bis(2-Chloroethyl) ether	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Chlorophenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,3-Dichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,4-Dichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,2-Dichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Methylphenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Methylphenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
N-Nitroso-di-n-propylamine	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Hexachloroethane	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Nitrobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Isophorone	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Nitrophenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4-Dimethylphenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
bis(2-Chloroethoxy) methane	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4-Dichlorophenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
1,2,4-Trichlorobenzene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Naphthalene	ug/Kg	1000 U	400 U	360 U	340 J	3800	370 U	51 J	370 U	370 U	450 U
4-Chloroaniline	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Hexachlorobutadiene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Chloro-3-methylphenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Methylnaphthalene	ug/Kg	54 J	400 U	360 U	150 J	2900 J	370 U	52 J	370 U	370 U	450 U
Hexachlorocyclopentadiene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4,6-Trichlorophenol	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2,4,5-Trichlorophenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
2-Chloronaphthalene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
2-Nitroaniline	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Dimethylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Acenaphthylene	ug/Kg	250 J	400 U	360 U	400 J	310 J	370 U	170 J	370 U	370 U	450 U
2,6-Dinitrotoluene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
3-Nitroaniline	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Acenaphthene	ug/Kg	140 J	400 U	360 U	250 J	1300 J	370 U	50 J	370 U	370 U	450 U
2,4-Dinitrophenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
4-Nitrophenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Dibenzofuran	ug/Kg	90 J	400 U	360 U	120 J	1400 J	370 U	390 U	370 U	370 U	450 U
2,4-Dinitrotoluene	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Diethylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Chlorophenyl-phenylether	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Fluorene	ug/Kg	260 J	36 J	360 U	350 J	4100	370 U	120 J	370 U	370 U	450 U
4-Nitroaniline	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
4-Bromophenyl-phenylether	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Hexachlorobenzene	ug/Kg	1000 U	400 U	380 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Pentachlorophenol	ug/Kg	2500 U	980 U	870 U	5700 U	9000 U	900 U	950 U	910 U	910 U	1100 U
Phenanthrene	ug/Kg	2300	290 J	360 U	2700	15000	23 J	680	370 U	370 U	450 U
Anthracene	ug/Kg	540 J	58 J	360 U	1100 J	1900 J	370 U	230 J	370 U	370 U	450 U
Carbazole	ug/Kg	720 J	39 J	360 U	420 J	780 J	370 U	110 J	370 U	370 U	450 U
Di-n-butylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	290 J
Fluoranthene	ug/Kg	5700	470	360 U	6900	11000	26 J	1500	370 U	370 U	450 U
Pyrene	ug/Kg	4400	340 J	360 U	5400	8700	50 J	1200	370 U	370 U	450 U
Butylbenzylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
3,3'-Dichlorobenzidine	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Benzo(a)anthracene	ug/Kg	3600	180 J	360 U	5600	4000	370 U	1200	370 U	370 U	450 U
Chrysene	ug/Kg	3400	180 J	360 U	4800	4500	22 J	970	370 U	370 U	450 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1000 U	41 J	40 J	13000	3700 U	52 J	140 J	21 J	370 U	750
Di-n-octylphthalate	ug/Kg	1000 U	400 U	360 U	2300 U	3700 U	370 U	390 U	370 U	370 U	450 U
Benzo(b)fluoranthene	ug/Kg	6600 J	320 J	360 U	9600 J	3700 UJ	370 UJ	1500	29 J	370 U	450 U
Benzo(k)fluoranthene	ug/Kg	1000 UJ	400 UJ	360 U	2300 UJ	5900 J	37 J	550	25 J	370 U	450 U
Benzo(a)pyrene	ug/Kg	3000	180 J	360 U	5400	3100 J	21 J	1200	35 J	370 U	450 U
Indeno(1,2,3-cd)pyrene	ug/Kg	1900	92 J	360 U	3500	1500 J	370 U	930	27 J	370 U	450 U
Dibenz(a,h)anthracene	ug/Kg	1200	70 J	360 U	1500 J	820 J	370 U	390 J	19 J	370 U	450 U
Benzo(g,h,i)perylene	ug/Kg	1100	140 J	24 J	4000	1500 J	370 U	1000	27 J	370 U	450 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0-0.2	2-4	6-8	0-0.2	2-4	4-7	0-0.2	0-2	2-3	0-0.2
	SAMPLE DATE	05/27/94	05/27/94	05/27/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	06/10/94	04/02/94
	ES ID	SB64A-1-00	SB64A-1-02	SB64A-1-04	SB64A-2-00	SB64A-2-02	SB64A-2-03	SB64A-3-00	SB64A-3-01	SB64A-3-02	MW64A-1.00
	LAB ID	222484	222485	222502	223894	223895	223896	223897	223906	223907	216351
	SDG NUMBER	44410	44410	44410	44725	44725	44725	44725	44748	44748	43257
	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
beta-BHC	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
delta-BHC	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
gamma-BHC (Lindane)	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
Heptachlor	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
Aldrin	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
Heptachlor epoxide	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	1.9 J	1.9 U	1.9 UJ	2.3 U
Endosulfan I	ug/Kg	22 J	5.1 J	1.8 UJ	33 J	7.8 J	1.9 U	23 J	1.9 U	1.9 UJ	2.3 U
Dieldrin	ug/Kg	5.9 J	4 UJ	3.6 UJ	7.5 J	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
4,4'-DDE	ug/Kg	4.5 J	4 UJ	3.6 UJ	9 J	3.7 U	3.7 U	3 J	3.7 U	3.7 UJ	4.5 U
Endrin	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
Endosulfan II	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
4,4'-DDD	ug/Kg	8 UJ	4 UJ	3.6 UJ	3.7 J	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
Endosulfan sulfate	ug/Kg	8 UJ	4 UJ	3.6 UJ	5 J	3.7 U	3.7 U	3.7 J	3.7 U	3.7 UJ	4.5 U
4,4'-DDT	ug/Kg	4.8 J	4 UJ	3.6 UJ	24 J	4.4 J	3.7 U	5	3.7 U	3.7 UJ	4.5 U
Methoxychlor	ug/Kg	41 UJ	21 UJ	18 UJ	36 U	19 U	19 U	20 U	19 U	19 UJ	23 U
Endrin ketone	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
Endrin aldehyde	ug/Kg	8 UJ	4 UJ	3.6 UJ	7 U	3.7 U	3.7 U	3.9 U	3.7 U	3.7 UJ	4.5 U
alpha-Chlordane	ug/Kg	4.2 J	2.1 UJ	1.8 UJ	6.3 J	1.9 U	1.9 U	2.9 J	1.9 U	1.9 UJ	2.3 U
gamma-Chlordane	ug/Kg	4.1 UJ	2.1 UJ	1.8 UJ	3.6 U	1.9 U	1.9 U	2 U	1.9 U	1.9 UJ	2.3 U
Toxaphene	ug/Kg	410 UJ	210 UJ	180 UJ	360 U	190 U	190 U	200 U	190 U	190 UJ	230 U
Aroclor-1016	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
Aroclor-1221	ug/Kg	160 UJ	82 UJ	73 UJ	140 U	75 U	75 U	80 U	76 U	76 UJ	91 U
Aroclor-1232	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
Aroclor-1242	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
Aroclor-1248	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
Aroclor-1254	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
Aroclor-1260	ug/Kg	80 UJ	40 UJ	36 UJ	70 U	37 U	37 U	39 U	37 U	37 UJ	45 U
METALS											
Aluminum	mg/Kg	11800	17100	12800	11800	16400	12400	16500	14500	15000	16100
Antimony	mg/Kg	0.36 J	0.26 UJ	0.26 UJ	4.3 J	0.2 UJ	0.19 UJ	0.24 UJ	0.25 UJ	0.21 UJ	0.23 J
Arsenic	mg/Kg	4.7	6	6.4	5.8	7.1	4.8	5.7	6.1	5.9	7.1
Barium	mg/Kg	59.3	133	53.7	96.3	90.9	68.7	109	103	86.1	83.7
Beryllium	mg/Kg	0.54 J	0.8 J	0.55 J	0.55 J	0.78 J	0.54 J	0.74 J	0.72 J	0.65 J	0.68 J
Cadmium	mg/Kg	0.45 J	0.48 J	0.33 J	1	0.72 J	0.7 J	0.83 J	0.4 J	0.32 J	0.11 J
Calcium	mg/Kg	38300	4450	4580	62800	4040	64900	27600	3560	3130	7210
Chromium	mg/Kg	19.7	23.9	21.4	35.5	27	17.5	23.7	20.8 J	22.1 J	23
Cobalt	mg/Kg	10.6	10.3	14	10.3	9.5	8.9	9.1 J	11.3	11	11.8
Copper	mg/Kg	23.3	20.1	24.6	56.3	23.5	24.3	21	23.4	25.8	25.5
Iron	mg/Kg	25500	28600	35900	23000	30000	21200	24600	26700	26800	28500
Lead	mg/Kg	18.5	14.5	11.1	391	10.1	10.7	24.4	13.6 R	10.8 R	21.8
Magnesium	mg/Kg	6940	4510	5420	8000	5610	11900	5870	4410	5190	5480
Manganese	mg/Kg	528	968	619	517	310	405	664	753	556	558
Mercury	mg/Kg	0.04 J	0.06 J	0.03 J	0.1	0.09 J	0.02 J	0.05 J	0.05 J	0.04 J	0.05 J
Nickel	mg/Kg	33.3	29.2	38.1	31.1	31.5	26.5	26.5	29	33.9	32.2
Potassium	mg/Kg	1530 J	2070 J	1150 J	2060 J	2820 J	2170 J	2430 J	1630 J	2210 J	2590 J
Selenium	mg/Kg	0.98	0.94 J	0.82 J	0.49 J	0.72 J	0.39 U	0.73 J	0.91 J	0.83	0.96
Silver	mg/Kg	0.07 UJ	0.1 UJ	0.1 UJ	0.09 U	0.08 U	0.07 U	0.09 U	0.1 U	0.08 U	0.12 U
Sodium	mg/Kg	50.9 J	22.1 J	39.2 J	78.4 J	39.4 J	85.5 J	42.8 J	21.9 J	16.4 U	27.5 U
Thallium	mg/Kg	0.26 U	0.38 U	0.39 U	0.33 U	0.3 U	0.27 U	0.35 U	0.37 U	0.31 U	0.42 J
Vanadium	mg/Kg	20	29.3	19.1	25.4	31.1	20.8	33.5	25.6	25	27.6
Zinc	mg/Kg	83	87	106	167	76.7	61.2	92.7	77.4	82.8	104
Cyanide	mg/Kg	0.58 U	0.56 U	0.52 U	0.47 U	0.5 U	0.47 U	0.5 U	0.56 U	0.54 U	0.66 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	81.5	81.9	92.1	94.4	89	89.4	63.5	87.7	88	74.3

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2-4	4-6	0-0.2	8-10	10-12	0-0.2	10-12	12-14	0-0.2	8-10
	SAMPLE DATE	04/02/94	04/02/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94
	ES ID	MW64A-1.02	MW64A-1.03	SB64B-1.00	SB64B-1.05	SB64B-1.06	SB64B-2.00	SB64B-2.06	SB64B-2.07	SB64B-3.00	SB64B-3.05
	LAB ID	216352	216353	223502	223503	223504	223505	223506	223507	223508	223509
	SDG NUMBER	43257	43257	44665	44665	44665	44665	44665	44665	44665	44694
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Bromomethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Vinyl Chloride	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Chloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Methylene Chloride	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	1 J	11 U	12 U	11 U
Acetone	ug/Kg	12 U	12 U	13 U	11 U	7 J	12 U	11 U	11 U	12 U	11 U
Carbon Disulfide	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	1 J	12 U	11 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Chloroform	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
2-Butanone	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1,1-Trichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Bromodichloromethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Trichloroethene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Dibromochloromethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Benzene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Bromoform	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
2-Hexanone	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Tetrachloroethene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Toluene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Chlorobenzene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Ethylbenzene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Styrene	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
Xylene (total)	ug/Kg	12 U	12 U	13 U	11 U	11 U	12 U	11 U	11 U	12 U	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2-4	4-6	0-0.2	8-10	10-12	0-0.2	10-12	12-14	0-0.2	8-10
	SAMPLE DATE	04/02/94	04/02/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94
	ES ID	MW64A-1.02	MW64A-1.03	SB64B-1.00	SB64B-1.05	SB64B-1.06	SB64B-2.00	SB64B-2.06	SB64B-2.07	SB64B-3.00	SB64B-3.05
	LAB ID	216352	216353	223502	223503	223504	223505	223506	223507	223508	223509
	SDG NUMBER	43257	43257	44665	44665	44665	44665	44665	44665	44665	44694
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2-Chlorophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
1,3-Dichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
1,4-Dichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
1,2-Dichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2-Methylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Methylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Hexachloroethane	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Nitrobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Isophorone	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2-Nitrophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4-Dimethylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4-Dichlorophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Naphthalene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Chloroaniline	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Hexachlorobutadiene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Chloro-3-methylphenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2-Methylnaphthalene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Hexachlorocyclopentadiene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4,6-Trichlorophenol	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4,5-Trichlorophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
2-Chloronaphthalene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2-Nitroaniline	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
Dimethylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Acenaphthylene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,6-Dinitrotoluene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
3-Nitroaniline	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
Acenaphthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4-Dinitrophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
4-Nitrophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
Dibenzofuran	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
2,4-Dinitrotoluene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Diethylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Fluorene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Nitroaniline	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
4,6-Dinitro-2-methylphenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
N-Nitrosodiphenylamine	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
4-Bromophenyl-phenylether	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Hexachlorobenzene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Pentachlorophenol	ug/Kg	940 U	890 U	960 U	890 U	860 U	960 U	890 U	860 U	960 U	910 U
Phenanthrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Anthracene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Carbazole	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Di-n-butylphthalate	ug/Kg	390 U	370 U	85 J	38 J	31 J	120 J	42 J	30 J	41 J	380 U
Fluoranthene	ug/Kg	390 U	370 U	26 J	370 U	350 U	35 J	370 U	350 U	25 J	380 U
Pyrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	23 J	370 U	350 U	400 U	380 U
Butylbenzylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Benzo(a)anthracene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Chrysene	ug/Kg	390 U	370 U	400 U	370 U	350 U	23 J	370 U	350 U	400 U	380 U
bis(2-Ethylhexyl)phthalate	ug/Kg	280 J	320 J	400 U	110 J	350 U	96 J	390	350 U	25 J	53 J
Di-n-octylphthalate	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Benzo(b)fluoranthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	24 J	370 U	350 U	400 U	380 U
Benzo(k)fluoranthene	ug/Kg	390 U	370 U	400 U	370 U	350 U	23 J	370 U	350 U	400 U	380 U
Benzo(a)pyrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	22 J	370 U	350 U	400 U	380 U
Indeno(1,2,3-cd)pyrene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Dibenz(a,h)anthracene	ug/Kg	390 U	370 U	400 U	370 U	350 U	400 U	370 U	350 U	400 U	380 U
Benzo(g,h,i)perylene	ug/Kg	390 U	370 U	400 U	370 U	350 U	20 J	370 U	350 U	400 U	380 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2-4	4-6	0-0.2	8-10	10-12	0-0.2	10-12	12-14	0-0.2	8-10
	SAMPLE DATE	04/02/94	04/02/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94	06/08/94
	ES ID	MW64A-1.02	MW64A-1.03	SB64B-1.00	SB64B-1.05	SB64B-1.06	SB64B-2.00	SB64B-2.06	SB64B-2.07	SB64B-3.00	SB64B-3.05
	LAB ID	216352	216353	223502	223503	223504	223505	223506	223507	223508	223509
	SDG NUMBER	43257	43257	44665	44665	44665	44665	44665	44665	44665	44694
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
beta-BHC	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
delta-BHC	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Heptachlor	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Aldrin	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Heptachlor epoxide	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Endosulfan I	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Dieldrin	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
4,4'-DDE	ug/Kg	3.9 U	3.7 U	2.6 J	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endrin	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endosulfan II	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
4,4'-DDD	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endosulfan sulfate	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
4,4'-DDT	ug/Kg	3.9 U	3.7 U	2.6 J	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Methoxychlor	ug/Kg	20 U	19 U	20 U	19 U	18 U	20 U	19 U	18 U	20 U	19 U
Endrin ketone	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
Endrin aldehyde	ug/Kg	3.9 U	3.7 U	3.9 U	3.7 U	3.5 U	4 U	3.7 U	3.5 U	4 U	3.7 U
alpha-Chlordane	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
gamma-Chlordane	ug/Kg	2 U	1.9 U	2 U	1.9 U	1.8 U	2 U	1.9 U	1.8 U	2 U	1.9 U
Toxaphene	ug/Kg	200 U	190 U	200 U	190 U	180 U	200 U	190 U	180 U	200 U	190 U
Aroclor-1016	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1221	ug/Kg	80 U	74 U	80 U	74 U	72 U	81 U	74 U	72 U	81 U	76 U
Aroclor-1232	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1242	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1248	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1254	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
Aroclor-1260	ug/Kg	39 U	37 U	39 U	37 U	35 U	40 U	37 U	35 U	40 U	37 U
METALS											
Aluminum	mg/Kg	19800	12600	10600	10600	9250	10400	10600	8730	8800	10700 J
Antimony	mg/Kg	0.2 UJ	0.2 UJ	0.28 UJ	0.2 UJ	0.24 UJ	0.23 UJ	0.19 UJ	0.22 UJ	0.26 UJ	0.27 J
Arsenic	mg/Kg	6.2	5	4.9	4.7	4.3	4.6	4	4.8	5.8	4.9
Barium	mg/Kg	91.2	62.3	73.3	105	71	75.9	73.1	79.3	58.4	72.5 J
Beryllium	mg/Kg	0.74 J	0.53 J	0.49 J	0.5 J	0.43 J	0.49 J	0.49 J	0.43 J	0.42 J	0.4 J
Cadmium	mg/Kg	0.02 U	0.12 J	0.41 J	0.51 J	0.46 J	0.5 J	0.42 J	0.46 J	0.48 J	0.45 J
Calcium	mg/Kg	4300	72400	53400 J	90700 J	74700 J	54400 J	64100 J	64600 J	54800 J	52300 J
Chromium	mg/Kg	25	19	15.9	17.1	15.9	15.4	16.6	15.2	14.2	15.6 J
Cobalt	mg/Kg	11.3	9.1 J	8.9 J	9.7	9.2	8.7	10.4	11.8	8.3 J	8.7 J
Copper	mg/Kg	21	23.7	21.5	23.2	21.1	20.6	23.8	23.3	19.6	18.4 J
Iron	mg/Kg	28000	22600	19500	21700	20100	19400	19500	20600	17100	21300 J
Lead	mg/Kg	13.6	15.4	15.9	10.6	10.7	17	9.5	11.1	12.1	12.4
Magnesium	mg/Kg	5010	14800	14400	16500	20400	22100	16800	16500	12200	13800 J
Manganese	mg/Kg	604	402	394	377	418	414	388	492	354	336 J
Mercury	mg/Kg	0.03 J	0.02 J	0.03 J	0.02 J	0.01 J	0.04 J	0.02 U	0.02 J	0.03 J	0.04 J R
Nickel	mg/Kg	28.8	26.7	26.2	31	26.5	25.9	32.4	29.8	24	24.3 J
Potassium	mg/Kg	2260 J	2700 J	2160 J	2090 J	1860 J	2000 J	2320 J	1700 J	1640 J	1560
Selenium	mg/Kg	1.7	0.34 U	0.58 U	0.41 U	0.49 U	0.74 J	0.4 U	0.46 U	0.55 J	0.48 J
Silver	mg/Kg	0.14 U	0.14 U	0.11 UJ	0.08 UJ	0.09 UJ	0.09 UJ	0.07 UJ	0.08 UJ	0.1 UJ	0.09 UJ
Sodium	mg/Kg	31.8 U	92.1 J	51.9 J	106 J	94.4 J	65.7 J	93 J	103 J	65.8 J	72.6 J
Thallium	mg/Kg	0.32 U	0.32 U	0.41 U	0.29 U	0.35 U	0.33 U	0.42 J	0.32 U	0.38 U	0.33 U
Vanadium	mg/Kg	32.2	22.8	19.5	18.2	16.2	19	17.6	15.2	16.2	19.6 J
Zinc	mg/Kg	87.1	64.9	72.4	73.7	71.8	70.7	60.4	85.1	78.8	64.3 J
Cyanide	mg/Kg	0.58 U	0.55 U	0.49 U	0.54 U	0.5 U	0.39 U	0.5 U	0.39 U	0.47 U	0.49 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	84.5	90.4	83.5	89.6	93.3	83.1	89.9	92.7	82.8	87.7

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	14-16	0-0.2	4-6	6-8	0-0.2	0-0.2	0-0.2	0-0.2	3	4
	SAMPLE DATE	06/08/94	05/13/94	05/13/94	05/13/94	04/11/94	04/11/94	04/11/94	04/11/94	06/09/94	06/09/94
	ES ID	SB64B-3.08	MW64B-1-00	MW64B-1-03	MW64B-1-04	SS64C-1	SS64C-20	SS64C-2	SS64C-3	TP64C-1-1	TP64C-1-2
	LAB ID	223510	221238	221239	221240	217070	217074	217072	217073	223776	223777
	SDG NUMBER	44694	44090	44090	44090	43257	43257	43257	43257	44725	44725
	UNITS						SS64C-1DUP				
VOLATILE ORGANICS											
Chloromethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Bromomethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Vinyl Chloride	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Chloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Methylene Chloride	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Acetone	ug/Kg	11 U	57	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Carbon Disulfide	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,1-Dichloroethene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Chloroform	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
2-Butanone	ug/Kg	11 U	22	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Bromodichloromethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Trichloroethene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Dibromochloromethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Benzene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Bromoform	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
2-Hexanone	ug/Kg	11 U	15 U	11 U	11 U	12 U	80 U	16 U	16 U	13 U	11 U
Tetrachloroethene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Toluene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Chlorobenzene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Ethylbenzene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Styrene	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
Xylene (total)	ug/Kg	11 U	15 U	11 U	11 U	12 U	13 U	16 U	16 U	13 U	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	14-16	0-0.2	4-6	6-8	0-0.2	0-0.2	0-0.2	0-0.2	3	4
	SAMPLE DATE	06/08/94	05/13/94	05/13/94	05/13/94	04/11/94	04/11/94	04/11/94	04/11/94	06/09/94	06/09/94
	ES ID	SB64B-3.08	MW64B-1-00	MW64B-1-03	MW64B-1-04	SS64C-1	SS64C-20	SS64C-2	SS64C-3	TP64C-1-1	TP64C-1-2
	LAB ID	223510	221238	221239	221240	217070	217074	217072	217073	223776	223777
	SDG NUMBER	44694	44090	44090	44090	43257	43257	43257	43257	44725	44725
	UNITS						SS64C-1DUP				
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2-Chlorophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
1,3-Dichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
1,4-Dichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
1,2-Dichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2-Methylphenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Methylphenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Hexachloroethane	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Nitrobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Isophorone	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2-Nitrophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4-Dimethylphenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4-Dichlorophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Naphthalene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Chloroaniline	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Hexachlorobutadiene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Chloro-3-methylphenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2-Methylnaphthalene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Hexachlorocyclopentadiene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4,6-Trichlorophenol	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4,5-Trichlorophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
2-Chloronaphthalene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2-Nitroaniline	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
Dimethylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Acenaphthylene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,6-Dinitrotoluene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
3-Nitroaniline	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
Acenaphthene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4-Dinitrophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
4-Nitrophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
Dibenzofuran	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
2,4-Dinitrotoluene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Diethylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Fluorene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Nitroaniline	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
4,6-Dinitro-2-methylphenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
N-Nitrosodiphenylamine	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
4-Bromophenyl-phenylether	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Hexachlorobenzene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Pentachlorophenol	ug/Kg	870 U	1300 U	880 U	880 U	1000 U	1000 U	1200 U	1300 U	910 U	890 U
Phenanthrene	ug/Kg	360 U	30 J	26 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Anthracene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Carbazole	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Di-n-butylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	25 J	36 J	39 J	370 U	370 U
Fluoranthene	ug/Kg	360 U	26 J	46 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Pyrene	ug/Kg	360 U	36 J	64 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Butylbenzylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Benzo(a)anthracene	ug/Kg	360 U	36 J	36 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Chrysene	ug/Kg	360 U	40 J	34 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	360 U	520 U	360 U	360 U	850	920	510 U	1100	74 J	140 J
Di-n-octylphthalate	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Benzo(b)fluoranthene	ug/Kg	360 U	28 J	29 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Benzo(k)fluoranthene	ug/Kg	360 U	36 J	31 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Benzo(a)pyrene	ug/Kg	360 U	34 J	39 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	520 U	29 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Dibenz(a,h)anthracene	ug/Kg	360 U	520 U	360 U	360 U	420 U	410 U	510 U	530 U	370 U	370 U
Benzo(g,h,i)perylene	ug/Kg	360 U	520 U	110 J	360 U	420 U	410 U	510 U	530 U	370 U	370 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	14-16	0-0.2	4-6	6-8	0-0.2	0-0.2	0-0.2	0-0.2	3	4
	SAMPLE DATE	06/08/94	05/13/94	05/13/94	05/13/94	04/11/94	04/11/94	04/11/94	04/11/94	06/09/94	06/09/94
	ES ID	SB64B-3.08	MW64B-1-00	MW64B-1-03	MW64B-1-04	SS64C-1	SS64C-20	SS64C-2	SS64C-3	TP64C-1-1	TP64C-1-2
	LAB ID	223510	221238	221239	221240	217070	217074	217072	217073	223776	223777
	SDG NUMBER	44694	44090	44090	44090	43257	43257	43257	43257	44725	44725
	UNITS						SS64C-1DUP				
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
beta-BHC	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
delta-BHC	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Heptachlor	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.6 J	2.6 U	2.7 U	1.9 U	1.9 U
Aldrin	ug/Kg	1.8 U	2.7 U	1.9 U	1.6 J	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Heptachlor epoxide	ug/Kg	1.8 U	1.4 J	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Endosulfan I	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Dieldrin	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	4.7 J	5.3 U	3.7 U	3.7 U
4,4'-DDE	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endrin	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endosulfan II	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
4,4'-DDD	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endosulfan sulfate	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
4,4'-DDT	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Methoxychlor	ug/Kg	18 U	27 U	19 U	19 U	22 U	21 U	26 U	27 U	19 U	19 U
Endrin ketone	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
Endrin aldehyde	ug/Kg	3.6 U	5.2 U	3.6 U	3.6 U	4.2 U	4.1 U	5.1 U	5.3 U	3.7 U	3.7 U
alpha-Chlordane	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
gamma-Chlordane	ug/Kg	1.8 U	2.7 U	1.9 U	1.9 U	2.2 U	2.1 U	2.6 U	2.7 U	1.9 U	1.9 U
Toxaphene	ug/Kg	180 U	270 U	190 U	190 U	220 U	210 U	260 U	270 U	190 U	190 U
Aroclor-1016	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1221	ug/Kg	73 U	100 U	74 U	74 U	86 U	84 U	100 U	110 U	76 U	74 U
Aroclor-1232	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1242	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1248	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1254	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
Aroclor-1260	ug/Kg	36 U	52 U	36 U	36 U	42 U	41 U	51 U	53 U	37 U	37 U
METALS											
Aluminum	mg/Kg	9140 J	13400	8870	7620	14200	12700	18700	15300	12400	4970
Antimony	mg/Kg	0.25 J	0.3 J	0.15 UJ	0.15 UJ	0.32 J	0.18 UJ	0.43 J	0.27 UJ	0.24 UJ	0.16 UJ
Arsenic	mg/Kg	4.4	5.5	4.3	5.5	5.1	5	6.1	6.5	4.7	3.2
Barium	mg/Kg	64 J	75.5	70.8	76.7	109	111	181	243	98	35.4
Beryllium	mg/Kg	0.35 J	0.56 J	0.43 J	0.37 J	0.61 J	0.59 J	0.86 J	0.82 J	0.62 J	0.26 J
Cadmium	mg/Kg	0.44 J	0.63 J	0.64 J	0.54 J	0.13 J	0.19 J	0.28 J	0.37 J	0.77 J	0.43 J
Calcium	mg/Kg	81300 J	5530	70000	75900	46800	29600	5840	6340	35900	81500
Chromium	mg/Kg	22.3 J	17.5	14.1	13.5	21	18.5	25.9	22.1	18.7	7.1
Cobalt	mg/Kg	8.3 J	7.2 J	10	7.4 J	9.6 J	8.5 J	9.3 J	12.9 J	9.7	4.9 J
Copper	mg/Kg	21.4 J	18.9	20.2	17.6	24	20.5	23.5	22.3	22.5	15.6
Iron	mg/Kg	18200 J	20900	18400	17100	25200	23300	28000	29000	22700	10500
Lead	mg/Kg	8.5	21.4	6.8	8.3	13.8	13.5	22.8	23.3	12.5	5.9
Magnesium	mg/Kg	19100 J	3720	18900	21500	10600	8780	5000	4480	9880	24600
Manganese	mg/Kg	391 J	207	434	389	434	417	417	1090	453	330
Mercury	mg/Kg	0.02 J	0.05 J	0.02 J	0.01 U	0.03 J	0.03 J	0.05 J	0.05 J	0.04 J	0.02 J
Nickel	mg/Kg	24 J	19.8	28.2	22.6	30.5	26.3	28.1	26.3	30.1	13.3
Potassium	mg/Kg	2090	1700	1630	1650	2190 J	1630 J	2690 J	1670 J	1840 J	1360 J
Selenium	mg/Kg	0.52 U	0.99 J	0.26 U	0.57 J	0.93 J	1	1.9	1.9	0.5 U	0.33 U
Silver	mg/Kg	0.1 UJ	0.16 UJ	0.11 UJ	0.11 UJ	0.17 U	0.12 U	0.16 U	0.19 U	0.09 U	0.06 U
Sodium	mg/Kg	93.4 J	35.9 U	96.6 J	79.6 J	62 J	32.7 J	36.5 U	42.8 U	42.3 J	68.2 J
Thallium	mg/Kg	0.37 U	0.41 J	0.24 U	0.24 U	0.38 U	0.28 U	0.37 U	0.43 U	0.35 U	0.23 U
Vanadium	mg/Kg	17.1 J	23.3	14.8	14.2	24.3	22.2	32.5	28.9	21.3	9.6
Zinc	mg/Kg	64.9 J	72.2	59	45.6	88.1	81.4	110	109	83	43.4
Cyanide	mg/Kg	0.5 U	0.6 U	0.5 U	0.48 U	0.52 U	0.6 U	0.69 U	0.8 U	0.41 U	0.44 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	92.1	63.5	91.3	90.9	77.8	79.8	64.9	62.3	87.7	90.3

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2	2	2	2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/09/94	06/09/94	06/09/94	06/09/94	04/14/94	04/14/94	04/14/94	04/14/94	04/14/94	06/23/94
	ES ID	TP64C-2-1	TP64C-2-2	TP64C-3-1	TP64C-3-2	SS64D-1	SS64D-2	SS64D-3	SS64D-4	SS64D-5	SB64D-1-00
	LAB ID	223778	223779	223780	223781	217694	217695	217696	217697	217698	225467
	SDG NUMBER	44725	44725	44725	44725	43535	43535	43535	43535	43535	44799
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Bromomethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Vinyl Chloride	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Chloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Methylene Chloride	ug/Kg	11 U	12 U	12 U	11 U	2 J	3 J	14 U	12 U	2 J	11 U
Acetone	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Carbon Disulfide	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,1-Dichloroethene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Chloroform	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
2-Butanone	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Bromodichloromethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Trichloroethene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Dibromochloromethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Benzene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Bromoform	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
2-Hexanone	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Tetrachloroethene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Toluene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Chlorobenzene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Ethylbenzene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Styrene	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
Xylene (total)	ug/Kg	11 U	12 U	12 U	11 U	14 U	14 U	14 U	12 U	14 U	11 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2	2	2	2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/09/94	06/09/94	06/09/94	06/09/94	04/14/94	04/14/94	04/14/94	04/14/94	04/14/94	06/23/94
	ES ID	TP64C-2-1	TP64C-2-2	TP64C-3-1	TP64C-3-2	SS64D-1	SS64D-2	SS64D-3	SS64D-4	SS64D-5	SB64D-1-00
	LAB ID	223778	223779	223780	223781	217694	217695	217696	217697	217698	225467
	SDG NUMBER	44725	44725	44725	44725	43535	43535	43535	43535	43535	44799
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
bis(2-Chloroethyl) ether	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2-Chlorophenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
1,3-Dichlorobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
1,4-Dichlorobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
1,2-Dichlorobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2-Methylphenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
4-Methylphenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
N-Nitroso-di-n-propylamine	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Hexachloroethane	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Nitrobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Isophorone	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2-Nitrophenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4-Dimethylphenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
bis(2-Chloroethoxy) methane	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4-Dichlorophenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
1,2,4-Trichlorobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Naphthalene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	29 J	400 U	420 U	370 U
4-Chloroaniline	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Hexachlorobutadiene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
4-Chloro-3-methylphenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2-Methylnaphthalene	ug/Kg	370 U	390 U	410 U	390 U	30 J	27 J	49 J	400 U	420 U	370 U
Hexachlorocyclopentadiene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4,6-Trichlorophenol	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4,5-Trichlorophenol	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
2-Chloronaphthalene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2-Nitroaniline	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
Dimethylphthalate	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Acenaphthylene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,6-Dinitrotoluene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
3-Nitroaniline	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
Acenaphthene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4-Dinitrophenol	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
4-Nitrophenol	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
Dibenzofuran	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
2,4-Dinitrotoluene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Diethylphthalate	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
4-Chlorophenyl-phenylether	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Fluorene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
4-Nitroaniline	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
4,6-Dinitro-2-methylphenol	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
N-Nitrosodiphenylamine	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
4-Bromophenyl-phenylether	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Hexachlorobenzene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Pentachlorophenol	ug/Kg	900 U	940 U	1000 U	940 U	1100 U	1100 U	1100 U	980 U	1000 U	890 U
Phenanthrene	ug/Kg	370 U	390 U	410 U	390 U	35 J	36 J	57 J	400 U	24 J	370 U
Anthracene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Carbazole	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Di-n-butylphthalate	ug/Kg	38 J	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Fluoranthene	ug/Kg	370 U	390 U	410 U	390 U	47 J	62 J	99 J	21 J	33 J	370 U
Pyrene	ug/Kg	370 U	390 U	410 U	390 U	38 J	47 J	81 J	20 J	25 J	370 U
Butylbenzylphthalate	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
3,3'-Dichlorobenzidine	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Benzo(a)anthracene	ug/Kg	370 U	390 U	410 U	390 U	22 J	23 J	41 J	400 U	420 U	370 U
Chrysene	ug/Kg	370 U	390 U	410 U	390 U	34 J	36 J	53 J	400 U	22 J	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	69 J	25 J	69 J	390 U	120 J	470 U	440 U	19 J	420 U	370 U
Di-n-octylphthalate	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Benzo(b)fluoranthene	ug/Kg	370 U	390 U	410 U	390 U	26 J	28 J	39 J	400 U	420 U	370 U
Benzo(k)fluoranthene	ug/Kg	370 U	390 U	410 U	390 U	27 J	470 U	53 J	400 U	420 U	370 U
Benzo(a)pyrene	ug/Kg	370 U	390 U	410 U	390 U	25 J	27 J	43 J	400 U	420 U	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	26 J	400 U	420 U	370 U
Dibenz(a,h)anthracene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	440 U	400 U	420 U	370 U
Benzo(g,h,i)perylene	ug/Kg	370 U	390 U	410 U	390 U	460 U	470 U	23 J	400 U	420 U	370 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2	2	2	2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2	0-0.2
	SAMPLE DATE	06/09/94	06/09/94	06/09/94	06/09/94	04/14/94	04/14/94	04/14/94	04/14/94	04/14/94	06/23/94
	ES ID	TP64C-2-1	TP64C-2-2	TP64C-3-1	TP64C-3-2	SS64D-1	SS64D-2	SS64D-3	SS64D-4	SS64D-5	SB64D-1-00
	LAB ID	223778	223779	223780	223781	217694	217695	217696	217697	217698	225467
	SDG NUMBER	44725	44725	44725	44725	43535	43535	43535	43535	43535	44799
COMPOUND	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
beta-BHC	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
delta-BHC	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Heptachlor	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Aldrin	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Heptachlor epoxide	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Endosulfan I	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Dieldrin	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
4,4'-DDE	ug/Kg	3.7 U	3.9 U	4.1 U	3.6 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endrin	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endosulfan II	ug/Kg	3.7 U	3.9 U	4.1 U	3.8 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
4,4'-DDD	ug/Kg	3.7 U	3.9 U	4.1 U	3.6 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endosulfan sulfate	ug/Kg	3.7 U	3.9 U	4.1 U	3.6 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
4,4'-DDT	ug/Kg	3.7 U	3.9 U	4.1 U	3.6 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Methoxychlor	ug/Kg	19 U	20 U	21 U	20 U	24 U	24 U	23 U	21 U	22 U	19 U
Endrin ketone	ug/Kg	3.7 U	3.9 U	4.1 U	3.6 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
Endrin aldehyde	ug/Kg	3.7 U	3.9 U	4.1 U	3.6 U	4.6 U	4.7 U	4.5 U	4 U	4.2 U	3.7 U
alpha-Chlordane	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
gamma-Chlordane	ug/Kg	1.9 U	2 U	2.1 U	2 U	2.4 U	2.4 U	2.3 U	2.1 U	2.2 U	1.9 U
Toxaphene	ug/Kg	190 U	200 U	210 U	200 U	240 U	240 U	230 U	210 U	220 U	190 U
Aroclor-1016	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1221	ug/Kg	75 U	79 U	64 U	76 U	94 U	96 U	91 U	82 U	85 U	74 U
Aroclor-1232	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1242	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1248	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1254	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
Aroclor-1260	ug/Kg	37 U	39 U	41 U	38 U	46 U	47 U	45 U	40 U	42 U	37 U
METALS											
Aluminum	mg/Kg	11400	13400	9200	10600	11300	8930	12900	12000	10300	16700
Antimony	mg/Kg	0.21 UJ	0.17 UJ	0.24 UJ	0.23 UJ	0.24 UJ	0.16 UJ	0.18 UJ	0.19 J	0.19 UJ	0.23 UJ
Arsenic	mg/Kg	6.1	6.6	4.2	4.9	4.3	3.9	6.4	4.5	3.6	6.1
Barium	mg/Kg	92.6	165	61.1	75.1	76.4	74.6	89.3	61.8	77.3	87.7
Beryllium	mg/Kg	0.61 J	0.63 J	0.46 J	0.52 J	0.53 J	0.43 J	0.65 J	0.56 J	0.45 J	0.76 J
Cadmium	mg/Kg	1	0.73	0.87 J	0.75 J	0.38 J	0.35 J	0.42 J	0.42 J	0.27 J	0.76 J
Calcium	mg/Kg	65400	3300	129000	68200	86900	129000	34900	64800	84100	10600
Chromium	mg/Kg	17.4	18	13.8	16.1	18.3	13.5	20.4	18.8	15.3	25.2
Cobalt	mg/Kg	13	13.9	7.4 J	9.7	9.3 J	7.8 J	12.7	8.8	7.3 J	12.8
Copper	mg/Kg	28.7	28.7	17.6	23.2	18.8	14.5	20.6	19.7	15.5	28.1
Iron	mg/Kg	24100	21900	18500	20800	23200	17800	26400	22900	17000	33800
Lead	mg/Kg	12.9	9	8.4	11.1	13.2	11.4	18.7	10	12.2	14.2
Magnesium	mg/Kg	15900	4370	29700	16800	7720	9080	7460	13400	11600	6610
Manganese	mg/Kg	579	2220	352	409	475 J	424 J	750 J	457 J	323 J	606
Mercury	mg/Kg	0.03 J	0.04 J	0.03 J	0.02 J	0.02 J	0.01 J	0.02 J	0.01 J	0.01 J	0.02 J
Nickel	mg/Kg	35	41.1	22.4	29	25.7	20.3	32.4	28.5	20.3	40.3
Potassium	mg/Kg	1790 J	1900 J	1990 J	2180 J	1610	1480	1590	2200	2330	1870 J
Selenium	mg/Kg	0.44 U	0.62 J	0.49 U	0.47 U	0.53 J	0.27 U	0.49 J	0.21 U	0.33 U	1.7
Silver	mg/Kg	0.08 U	0.07 U	0.09 U	0.09 U	0.95 U	0.62 U	0.69 U	0.48 U	0.75 U	0.09 U
Sodium	mg/Kg	93.8 J	19.8 J	93.6 J	89.1 J	100 J	95.7 J	59.6 J	151 J	30.3 J	43.6 J
Thallium	mg/Kg	0.31 U	0.25 U	0.34 U	0.33 U	0.39 U	0.25 U	0.28 U	0.2 U	0.31 U	0.33 U
Vanadium	mg/Kg	19.4	24.4	16.5	19	18.2	14.1	21.1	16.5	16.4	24.7
Zinc	mg/Kg	93.9	52.5	80.6	68.1	72.6	63.1	87.9	80.4	54.8	102
Cyanide	mg/Kg	0.37 U	0.41 U	0.52 U	0.46 U	0.69 U	0.63 U	0.65 U	0.59 U	0.49 U	0.44 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	89	84.7	80.1	85.5	71.4	70.1	74.1	82.2	78.6	90.5

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0.2-1.2	2-3	0-0.2	2-3.5	4-6	0-0.2	0-2	0.2-2	2-3.2	0-0.2
	SAMPLE DATE	06/23/94	06/23/94	06/23/94	06/23/94	06/23/94	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94
	ES ID	SB64D-1-01	SB64D-1-02	SB64D-2-00	SB64D-2-02	SB64D-2-03	SB64D-3-00	SB64D-3-20	SB64D-3-01	SB64D-3-02	SB64D-4-00
	LAB ID	225468	225469	225470	225471	225472	225473	225499	225497	225498	225522
	SDG NUMBER	44799	44799	44799	44799	44799	44799	45048	45048	45048	45048
COMPOUND	UNITS							SB64D-3-00DUP			
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Bromomethane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Vinyl Chloride	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Chloroethane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Methylene Chloride	ug/Kg	1 J	1 J	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Acetone	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	12 U	12 U	14 U
Carbon Disulfide	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,1-Dichloroethene	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,1-Dichloroethane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,2-Dichloroethene (total)	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Chloroform	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,2-Dichloroethane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
2-Butanone	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,1,1-Trichloroethane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Carbon Tetrachloride	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Bromodichloromethane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,2-Dichloropropane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
cis-1,3-Dichloropropene	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Trichloroethene	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Dibromochloromethane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,1,2-Trichloroethane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Benzene	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
trans-1,3-Dichloropropene	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Bromoform	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
4-Methyl-2-Pentanone	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
2-Hexanone	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Tetrachloroethene	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Toluene	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Chlorobenzene	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Ethylbenzene	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Styrene	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
Xylene (total)	ug/Kg	12 U	11 U	12 U	12 U	11 U	13 U	13 U	11 U	12 U	14 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0.2-1.2	2-3	0-0.2	2-3.5	4-6	0-0.2	0-2	0.2-2	2-3.2	0-0.2
	SAMPLE DATE	06/23/94	06/23/94	06/23/94	06/23/94	06/23/94	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94
	ES ID	SB64D-1-01	SB64D-1-02	SB64D-2-00	SB64D-2-02	SB64D-2-03	SB64D-3-00	SB64D-3-20	SB64D-3-01	SB64D-3-02	SB64D-4-00
	LAB ID	225468	225469	225470	225471	225472	225473	225499	225497	225498	225522
	SDG NUMBER	44799	44799	44799	44799	44799	44799	45048	45048	45048	45048
	UNITS							SB64D-3-00DUP			
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	42 J	390 U	390 U	460 U
bis(2-Chloroethyl) ether	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Chlorophenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,3-Dichlorobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,4-Dichlorobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,2-Dichlorobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Methylphenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Methylphenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
N-Nitroso-di-n-propylamine	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachloroethane	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Nitrobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Isophorone	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Nitrophenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dimethylphenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
bis(2-Chloroethoxy) methane	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dichlorophenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
1,2,4-Trichlorobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Naphthalene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Chloroaniline	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachlorobutadiene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Chloro-3-methylphenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Methylnaphthalene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachlorocyclopentadiene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4,6-Trichlorophenol	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4,5-Trichlorophenol	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
2-Chloronaphthalene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2-Nitroaniline	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Dimethylphthalate	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Acenaphthylene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,6-Dinitrotoluene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
3-Nitroaniline	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Acenaphthene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dinitrophenol	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
4-Nitrophenol	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Dibenzofuran	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
2,4-Dinitrotoluene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Diethylphthalate	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Chlorophenyl-phenylether	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Fluorene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Nitroaniline	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
4-Bromophenyl-phenylether	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Hexachlorobenzene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Pentachlorophenol	ug/Kg	920 U	880 U	930 U	990 U	860 U	1100 U	1100 U	940 U	950 U	1100 U
Phenanthrene	ug/Kg	380 U	360 U	380 U	410 U	350 U	98 J	58 J	22 J	390 U	36 J
Anthracene	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Carbazole	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Di-n-butylphthalate	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	37 J	390 U	390 U	71 J
Fluoranthene	ug/Kg	380 U	360 U	380 U	410 U	350 U	240 J	170 J	31 J	390 U	61 J
Pyrene	ug/Kg	380 U	360 U	380 U	410 U	350 U	160 J	100 J	20 J	390 U	54 J
Butylbenzylphthalate	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
3,3'-Dichlorobenzidine	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Benzo(a)anthracene	ug/Kg	380 U	360 U	380 U	410 U	350 U	88 J	69 J	390 U	390 U	38 J
Chrysene	ug/Kg	380 U	360 U	380 U	410 U	350 U	110 J	74 J	390 U	390 U	41 J
bis(2-Ethylhexyl)phthalate	ug/Kg	32 J	29 J	25 J	410 U	33 J	96 J	440 U	390 U	390 U	39 J
Di-n-octylphthalate	ug/Kg	380 U	360 U	380 U	410 U	350 U	440 U	440 U	390 U	390 U	460 U
Benzo(b)fluoranthene	ug/Kg	380 U	360 U	380 U	410 U	350 U	86 J	63 J	390 U	390 U	61 J
Benzo(k)fluoranthene	ug/Kg	380 U	360 U	380 U	410 U	350 U	110 J	77 J	390 U	390 U	47 J
Benzo(a)pyrene	ug/Kg	380 U	360 U	380 U	410 U	350 U	77 J	61 J	390 U	390 U	68 J
Indeno(1,2,3-cd)pyrene	ug/Kg	380 U	360 U	380 U	410 U	350 U	61 J	42 J	390 U	390 U	53 J
Dibenz(a,h)anthracene	ug/Kg	380 U	360 U	380 U	410 U	350 U	34 J	24 J	390 U	390 U	40 J
Benzo(g,h,i)perylene	ug/Kg	380 U	360 U	380 U	410 U	350 U	54 J	440 U	390 U	390 U	68 J

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0.2-1.2	2-3	0-0.2	2-3.5	4-6	0-0.2	0-2	0.2-2	2-3.2	0-0.2
	SAMPLE DATE	06/23/94	06/23/94	06/23/94	06/23/94	06/23/94	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94
	ES ID	SB64D-1-01	SB64D-1-02	SB64D-2-00	SB64D-2-02	SB64D-2-03	SB64D-3-00	SB64D-3-20	SB64D-3-01	SB64D-3-02	SB64D-4-00
	LAB ID	225468	225469	225470	225471	225472	225473	225499	225497	225498	225522
	SDG NUMBER	44799	44799	44799	44799	44799	44799	45048	45048	45048	45048
COMPOUND	UNITS							SB64D-3-00DUP			
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
beta-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
delta-BHC	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
gamma-BHC (Lindane)	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Heptachlor	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Aldrin	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Heptachlor epoxide	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Endosulfan I	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Dieldrin	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
4,4'-DDE	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endrin	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endosulfan II	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
4,4'-DDD	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endosulfan sulfate	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
4,4'-DDT	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Methoxychlor	ug/Kg	20 U	19 U	20 U	21 UJ	18 U	23 U	23 U	20 U	20 U	24 U
Endrin ketone	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
Endrin aldehyde	ug/Kg	3.8 U	3.6 U	3.8 U	4.1 UJ	3.5 U	4.4 U	4.4 U	3.9 U	3.9 U	4.6 U
alpha-Chlordane	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
gamma-Chlordane	ug/Kg	2 U	1.9 U	2 U	2.1 UJ	1.8 U	2.3 U	2.3 U	2 U	2 U	2.4 U
Toxaphene	ug/Kg	200 U	190 U	200 U	210 UJ	180 U	230 U	230 U	200 U	200 U	240 U
Aroclor-1016	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1221	ug/Kg	78 U	74 U	78 U	83 UJ	72 U	89 U	89 U	79 U	80 U	94 U
Aroclor-1232	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1242	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1248	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1254	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
Aroclor-1260	ug/Kg	38 U	36 U	38 U	41 UJ	35 U	44 U	44 U	39 U	39 U	46 U
METALS											
Aluminum	mg/Kg	14100	7480	14800	17600	11100	14200	16100	14900	15500	17400
Antimony	mg/Kg	0.17 UJ	0.17 UJ	0.22 UJ	0.28 UJ	0.21 UJ	0.26 UJ	0.47 J	0.22 J	0.21 UJ	0.4 J
Arsenic	mg/Kg	6.9	3.8	6.2	6.3	5	5.9	6	5.9	7.1	6.6
Barium	mg/Kg	81.5	38.5	93.2	115	45.3	103	111	92.1	107	116
Beryllium	mg/Kg	0.7	0.32 J	0.73 J	0.93 J	0.5 J	0.71 J	0.73 J	0.74	0.76 J	0.78 J
Cadmium	mg/Kg	0.66 J	0.54 J	0.78 J	0.97 J	0.65 J	0.64 J	0.4 J	0.36 J	0.51 J	0.43 J
Calcium	mg/Kg	3830	36900	13800	4250	45600	4900	4940 J	3060 J	3970 J	5120 J
Chromium	mg/Kg	22.1	11.6	21.7	25.3	16.9	18.6	20.5	20.7	22.9	22.9
Cobalt	mg/Kg	11.5	7.7	11.8	18.6	11.1	8.1 J	8.5 J	10.4	16.2	11.5 J
Copper	mg/Kg	27.5	18.7	24.9	22.1	20.6	21.6	24	20.7	30.7	20.6
Iron	mg/Kg	32000	16800	29800	36600	24200	23200	24400	26900	30700	28300
Lead	mg/Kg	15.1	8.8	60.7	15.5	8.2	19.1	19.3 J	17 J	14.4 J	21.5 J
Magnesium	mg/Kg	5240	11800	5700	5850	9520	3800	4110	3890	4980	3990
Manganese	mg/Kg	640	415	688	1240	476	549	564	690	1790	884
Mercury	mg/Kg	0.04 J	0.02 J	0.05 J	0.06 J	0.02 J	0.08 J	0.08 J	0.07 J	0.06 J	0.08
Nickel	mg/Kg	37.8	20.6	31.4	41.2	28	22.5	23.6	25.8	41.8	27.2
Potassium	mg/Kg	1380 J	1080 J	1800 J	1470 J	1190 J	1620 J	2130 J	1440 J	1730 J	2280 J
Selenium	mg/Kg	1.4	0.44 J	1.6	1.6	0.62 J	2	1.4	1.3	1.2	1.7
Silver	mg/Kg	0.07 U	0.07 U	0.08 U	0.11 U	0.08 U	0.1 U	0.12 U	0.07 U	0.08 U	0.14 U
Sodium	mg/Kg	35.7 J	26.4 J	50.4 J	35.9 J	76.9 J	19.7 U	24.3 U	14.5 U	25.4 J	27.1 U
Thallium	mg/Kg	0.45 J	0.3 J	0.32 U	0.41 U	0.3 U	0.58 J	0.46 U	0.41 J	0.48 J	0.52 U
Vanadium	mg/Kg	23.3	13.5	22.1	23.9	15.8	22.4	25.4	23.7	25.2	26.9
Zinc	mg/Kg	95.3	63.1	93	98.4	86.1	82.9	89	85.8	97.5	91
Cyanide	mg/Kg	0.59 U	0.36 U	0.33 U	0.59 U	0.47 U	0.5 U	0.67 U	0.5 U	0.54 U	0.69 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	86.5	91.2	85.9	81.3	93.2	74.7	75	85.4	84.4	71.2

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0.2-2.0	2-4	0-0.2	2-4	4-6	0-0.2	0.2-2	2-4	0-0.2	0.2-2.0
	SAMPLE DATE	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/24/94	06/24/94
	ES ID	SB64D-4-01	SB64D-4-02	SB64D-5.00	SB64D-5.02	SB64D-5.03	SB64D-6.00	SB64D-6.01	SB64D-6.02	SB64D-7-00	SB64D-7-01
	LAB ID	225523	225524	225570	225571	225572	225573	225574	225575	225525	225526
	SDG NUMBER	45048	45048	45058	45058	45058	45058	45058	45058	45048	45048
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Bromomethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Vinyl Chloride	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Chloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Methylene Chloride	ug/Kg	12 U	11 U	13 U	1 J	12 U	13 U	12 U	1 J	14 U	12 U
Acetone	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Carbon Disulfide	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,1-Dichloroethene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloroethene (total)	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Chloroform	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
2-Butanone	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,1,1-Trichloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Carbon Tetrachloride	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Bromodichloromethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Trichloroethene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Dibromochloromethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Benzene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Bromoform	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
2-Hexanone	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Tetrachloroethene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Toluene	ug/Kg	12 U	11 U	13 U	1 J	12 U	13 U	12 U	11 U	14 U	12 U
Chlorobenzene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Ethylbenzene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Styrene	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
Xylene (total)	ug/Kg	12 U	11 U	13 U	12 U	12 U	13 U	12 U	11 U	14 U	12 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0.2-2.0	2-4	0-0.2	2-4	4-6	0-0.2	0.2-2	2-4	0-0.2	0.2-2.0
	SAMPLE DATE	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/24/94	06/24/94
	ES ID	SB64D-4-01	SB64D-4-02	SB64D-5.00	SB64D-5.02	SB64D-5.03	SB64D-6.00	SB64D-6.01	SB64D-6.02	SB64D-7-00	SB64D-7-01
	LAB ID	225523	225524	225570	225571	225572	225573	225574	225575	225525	225526
	SDG NUMBER	45048	45048	45058	45058	45058	45058	45058	45058	45048	45048
	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
bis(2-Chloroethyl) ether	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2-Chlorophenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
1,3-Dichlorobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
1,4-Dichlorobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
1,2-Dichlorobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2-Methylphenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Methylphenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
N-Nitroso-di-n-propylamine	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Hexachloroethane	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Nitrobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Isophorone	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2-Nitrophenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4-Dimethylphenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
bis(2-Chloroethoxy) methane	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4-Dichlorophenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
1,2,4-Trichlorobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Naphthalene	ug/Kg	420 U	370 U	31 J	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Chloroaniline	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Hexachlorobutadiene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Chloro-3-methylphenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2-Methylnaphthalene	ug/Kg	420 U	370 U	46 J	22 J	370 U	440 U	380 U	370 U	460 U	390 U
Hexachlorocyclopentadiene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4,6-Trichlorophenol	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4,5-Trichlorophenol	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
2-Chloronaphthalene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2-Nitroaniline	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
Dimethylphthalate	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Acenaphthylene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,6-Dinitrotoluene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
3-Nitroaniline	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
Acenaphthene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4-Dinitrophenol	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
4-Nitrophenol	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
Dibenzofuran	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
2,4-Dinitrotoluene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Diethylphthalate	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Chlorophenyl-phenylether	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Fluorene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Nitroaniline	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
4,6-Dinitro-2-methylphenol	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
N-Nitrosodiphenylamine	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
4-Bromophenyl-phenylether	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Hexachlorobenzene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Pentachlorophenol	ug/Kg	1000 U	890 U	1100 U	930 U	910 U	1100 U	930 U	910 U	1100 U	950 U
Phenanthrene	ug/Kg	420 U	370 U	100 J	29 J	370 U	34 J	380 U	370 U	460 U	390 U
Anthracene	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Carbazole	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Di-n-butylphthalate	ug/Kg	420 U	370 U	77 J	46 J	75 J	76 J	32 J	74 J	54 J	390 U
Fluoranthene	ug/Kg	420 U	370 U	140 J	25 J	370 U	52 J	380 U	370 U	39 J	390 U
Pyrene	ug/Kg	420 U	370 U	100 J	380 U	370 U	41 J	380 U	370 U	41 J	390 U
Butylbenzylphthalate	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
3,3'-Dichlorobenzidine	ug/Kg	420 U	370 U	450 U	380 U	370 U	440 U	380 U	370 U	460 U	390 U
Benzo(a)anthracene	ug/Kg	420 U	370 U	66 J	380 U	370 U	43 J	380 U	370 U	460 U	390 U
Chrysene	ug/Kg	420 U	370 U	97 J	28 J	370 U	47 J	380 U	370 U	460 U	390 U
bis(2-Ethylhexyl)phthalate	ug/Kg	1100	34 J	450 U	380 U	370 U	440 U	380 U	370 U	66 J	58 J
Di-n-octylphthalate	ug/Kg	420 U	370 U	450 U	380 U	370 U	75 J	380 U	370 U	460 U	390 U
Benzo(b)fluoranthene	ug/Kg	420 U	370 U	160 J	22 J	370 U	48 J	380 U	370 U	460 U	390 U
Benzo(k)fluoranthene	ug/Kg	420 U	370 U	450 UJ	21 J	370 U	47 J	380 U	370 U	460 U	390 U
Benzo(a)pyrene	ug/Kg	420 U	370 U	64 J	23 J	370 U	47 J	380 U	370 U	460 U	390 U
Indeno(1,2,3-cd)pyrene	ug/Kg	420 U	370 U	53 J	380 U	370 U	43 J	380 U	370 U	460 U	390 U
Dibenz(a,h)anthracene	ug/Kg	420 U	370 U	34 J	380 U	370 U	33 J	380 U	370 U	460 U	390 U
Benzo(g,h,i)perylene	ug/Kg	420 U	370 U	41 J	22 J	370 U	46 J	380 U	370 U	460 U	390 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	0.2-2.0	2-4	0-0.2	2-4	4-6	0-0.2	0.2-2	2-4	0-0.2	0.2-2.0
	SAMPLE DATE	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94	06/24/94	06/24/94
	ES ID	SB64D-4-01	SB64D-4-02	SB64D-5.00	SB64D-5.02	SB64D-5.03	SB64D-6.00	SB64D-6.01	SB64D-6.02	SB64D-7-00	SB64D-7-01
	LAB ID	225523	225524	225570	225571	225572	225573	225574	225575	225525	225526
	SDG NUMBER	45048	45048	45058	45058	45058	45058	45058	45058	45048	45048
	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
beta-BHC	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
delta-BHC	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
gamma-BHC (Lindane)	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Heptachlor	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Aldrin	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Heptachlor epoxide	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Endosulfan I	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Dieldrin	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
4,4'-DDE	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endrin	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endosulfan II	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
4,4'-DDD	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endosulfan sulfate	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
4,4'-DDT	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Methoxychlor	ug/Kg	22 U	19 U	23 U	20 U	19 U	23 U	20 U	19 U	24 U	20 U
Endrin ketone	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
Endrin aldehyde	ug/Kg	4.2 U	3.7 U	4.5 U	3.8 U	3.7 U	4.4 U	3.8 U	3.7 U	4.6 U	3.9 U
alpha-Chlordane	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
gamma-Chlordane	ug/Kg	2.2 U	1.9 U	2.3 U	2 U	1.9 U	2.3 U	2 U	1.9 U	2.4 U	2 U
Toxaphene	ug/Kg	220 U	190 U	230 U	200 U	190 U	230 U	200 U	190 U	240 U	200 U
Aroclor-1016	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1221	ug/Kg	86 U	74 U	91 U	78 U	76 U	89 U	78 U	76 U	94 U	80 U
Aroclor-1232	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1242	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1248	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1254	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
Aroclor-1260	ug/Kg	42 U	37 U	45 U	38 U	37 U	44 U	38 U	37 U	46 U	39 U
METALS											
Aluminum	mg/Kg	20100	9770	16400	16900	20800	14500	18900	12200	17700	17500
Antimony	mg/Kg	0.3 UJ	0.21 UJ	0.49 J	0.24 UJ	0.28 UJ	0.22 J	0.23 UJ	0.22 UJ	0.25 UJ	0.25 UJ
Arsenic	mg/Kg	6.9	4.3	5.8 J	6 J	6 J	5.6 J	5.5 J	3.4 J	5.7	5.7
Barium	mg/Kg	114	62.7	116	123	110	113	152	59.1	127	124
Beryllium	mg/Kg	0.81 J	0.46 J	0.68 J	0.8 J	0.87 J	0.72 J	0.66 J	0.56 J	0.82 J	0.85 J
Cadmium	mg/Kg	0.4 J	0.41 J	0.75 J	0.43 J	0.4 J	0.48 J	0.45 J	0.35 J	0.49 J	0.42 J
Calcium	mg/Kg	11800 J	130000 J	4770	3260	2760	3700	3630	30500	5980 J	3690 J
Chromium	mg/Kg	27.7	14.3	22.4	23.3	29.6	20	24	19.5	23.9	24.1
Cobalt	mg/Kg	13.6	9.7	10.5 J	11.4	12.9	10.1	10.7	11.1	11.5	12.2
Copper	mg/Kg	25.2	17.5	22.7	21.6	23.7	27.2	24.9	17	32.7	28.5
Iron	mg/Kg	34800	20500	25800	29000	34600	24300	28200	25300	30100	34400
Lead	mg/Kg	15.6 J	7.4 J	29.9	13.5	13.4	16.4	13.1	6.1	16.9 J	15.8 J
Magnesium	mg/Kg	5330	9290	3970	4540	6030	3980	4650	7390	4350	4980
Manganese	mg/Kg	859	751	698	851	638	627	851	645	776	830
Mercury	mg/Kg	0.06 J	0.02 J	0.14 R	0.07 J R	0.04 J R	0.06 J R	0.06 J R	0.01 U	0.07 J	0.05
Nickel	mg/Kg	35.6	24.8	25.7	28.2	39.5	24.7	26.1	30.8	28	30.5
Potassium	mg/Kg	2020 J	1520 J	3240 J	2470 J	3090 J	2170 J	2340 J	1220 J	2550 J	1670 J
Selenium	mg/Kg	1.1 J	0.51 J	1.6	1.1	1.2	0.94	1.2	0.46 U	1.2	1.7
Silver	mg/Kg	0.12 U	0.08 U	0.12 U	0.09 U	0.11 U	0.08 U	0.09 U	0.09 U	0.09 U	0.1 U
Sodium	mg/Kg	28.6 J	90.4 J	71.2 J	90 J	99.7 J	75 J	94.9 J	170 J	27.5 J	22.6 J
Thallium	mg/Kg	0.44 U	0.31 U	0.65 J	0.5 J	0.53 J	0.74 J	0.34 U	0.33 U	0.47 J	0.37 U
Vanadium	mg/Kg	30.8	14.4	26.6	26.4	32	24.9	31.9	16.6	28.3	27.2
Zinc	mg/Kg	86.3	63.9	111 J	83.3 J	101 J	70.3 J	77 J	60.7 J	90.8	86
Cyanide	mg/Kg	0.59 U	0.55 U	0.61 UJ	0.51 UJ	0.51 UJ	0.65 UJ	0.55 UJ	0.55 UJ	0.67 U	0.45 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	78.5	89.9	73.6	85.9	88.2	75.2	85.8	88	71.2	83.8

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2-4	0-0.2	0-0.2	0.2-2.0	2-4	0-0.2	0.2-2	2-4	0-0.2	0.2-2
	SAMPLE DATE	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94
	ES ID	SB64D-7-02	SB64D-8-00	SB64D-8-00RE	SB64D-8-01	SB64D-8-02	SB64D-9.00	SB64D-9.01	SB64D-9.02	SB64D-10.00	SB64D-10.01
	LAB ID	225527	225528	225528	225529	225530	225576	225577	225578	225579	225580
	SDG NUMBER	45048	45048	45048	45048	45048	45058	45058	45058	45058	45058
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Bromomethane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Vinyl Chloride	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Chloroethane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Methylene Chloride	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	1 J	14 U	12 U
Acetone	ug/Kg	11 U	13 UJ	13 UJ	22 U	11 U	13 U	12 U	11 U	14 U	12 U
Carbon Disulfide	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,1-Dichloroethene	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,1-Dichloroethane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloroethene (total)	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Chloroform	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloroethane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
2-Butanone	ug/Kg	11 U	13 UJ	13 UJ	8 J	11 U	13 U	12 U	11 U	14 U	12 U
1,1,1-Trichloroethane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Carbon Tetrachloride	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Bromodichloromethane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,2-Dichloropropane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
cis-1,3-Dichloropropene	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Trichloroethene	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Dibromochloromethane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,1,2-Trichloroethane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Benzene	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
trans-1,3-Dichloropropene	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Bromoform	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
4-Methyl-2-Pentanone	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
2-Hexanone	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Tetrachloroethene	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Toluene	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Chlorobenzene	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Ethylbenzene	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Styrene	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
Xylene (total)	ug/Kg	11 U	13 UJ	13 UJ	12 U	11 U	13 U	12 U	11 U	14 U	12 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2-4	0-0.2	0-0.2	0.2-2.0	2-4	0-0.2	0.2-2	2-4	0-0.2	0.2-2
	SAMPLE DATE	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94
	ES ID	SB64D-7-02	SB64D-8-00	SB64D-8-00RE	SB64D-8-01	SB64D-8-02	SB64D-9.00	SB64D-9.01	SB64D-9.02	SB64D-10.00	SB64D-10.01
	LAB ID	225527	225528	225528	225529	225530	225576	225577	225578	225579	225580
	SDG NUMBER	45048	45048	45048	45048	45048	45058	45058	45058	45058	45058
	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
bis(2-Chloroethyl) ether	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2-Chlorophenol	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
1,3-Dichlorobenzene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
1,4-Dichlorobenzene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
1,2-Dichlorobenzene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2-Methylphenol	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Methylphenol	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
N-Nitroso-di-n-propylamine	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Hexachloroethane	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Nitrobenzene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Isophorone	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2-Nitrophenol	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4-Dimethylphenol	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
bis(2-Chloroethoxy) methane	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4-Dichlorophenol	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
1,2,4-Trichlorobenzene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Naphthalene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Chloroaniline	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Hexachlorobutadiene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Chloro-3-methylphenol	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2-Methylnaphthalene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Hexachlorocyclopentadiene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4,6-Trichlorophenol	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4,5-Trichlorophenol	ug/Kg	870 U	1100 U		930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
2-Chloronaphthalene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2-Nitroaniline	ug/Kg	870 U	1100 U		930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
Dimethylphthalate	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Acenaphthylene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,6-Dinitrotoluene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
3-Nitroaniline	ug/Kg	870 U	1100 U		930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
Acenaphthene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4-Dinitrophenol	ug/Kg	870 U	1100 U		930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
4-Nitrophenol	ug/Kg	870 U	1100 U		930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
Dibenzofuran	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
2,4-Dinitrotoluene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Diethylphthalate	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Chlorophenyl-phenylether	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Fluorene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Nitroaniline	ug/Kg	870 U	1100 U		930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
4,6-Dinitro-2-methylphenol	ug/Kg	870 U	1100 U		930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
N-Nitrosodiphenylamine	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
4-Bromophenyl-phenylether	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Hexachlorobenzene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Pentachlorophenol	ug/Kg	870 U	1100 U		930 U	890 U	1100 U	980 U	880 U	1100 U	980 U
Phenanthrene	ug/Kg	360 U	24 J		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Anthracene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Carbazole	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Di-n-butylphthalate	ug/Kg	360 U	56 J		44 J	370 U	53 J	34 J	360 U	70 J	45 J
Fluoranthene	ug/Kg	360 U	48 J		380 U	370 U	33 J	400 U	360 U	38 J	400 U
Pyrene	ug/Kg	360 U	54 J		380 U	370 U	24 J	400 U	360 U	33 J	400 U
Butylbenzylphthalate	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
3,3'-Dichlorobenzidine	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Benzo(a)anthracene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Chrysene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
bis(2-Ethylhexyl)phthalate	ug/Kg	46 J	48 J		380 U	32 J	450 U	400 U	380 U	460 U	400 U
Di-n-octylphthalate	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Benzo(b)fluoranthene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Benzo(k)fluoranthene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Benzo(a)pyrene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Indeno(1,2,3-cd)pyrene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Dibenz(a,h)anthracene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U
Benzo(g,h,i)perylene	ug/Kg	360 U	450 U		380 U	370 U	450 U	400 U	360 U	460 U	400 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	DEPTH (FEET)	2-4	0-0.2	0-0.2	0.2-2.0	2-4	0-0.2	0.2-2	2-4	0-0.2	0.2-2
	SAMPLE DATE	06/24/94	06/24/94	06/24/94	06/24/94	06/24/94	06/25/94	06/25/94	06/25/94	06/25/94	06/25/94
	ES ID	SB64D-7-02	SB64D-8-00	SB64D-8-00RE	SB64D-6-01	SB64D-6-02	SB64D-9.00	SB64D-9.01	SB64D-9.02	SB64D-10.00	SB64D-10.01
	LAB ID	225527	225528	225528	225529	225530	225576	225577	225578	225579	225580
	SDG NUMBER	45048	45046	45046	45048	45046	45058	45058	45058	45058	45058
	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
beta-BHC	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
delta-BHC	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
gamma-BHC (Lindane)	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Heptachlor	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Aldrin	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Heptachlor epoxide	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Endosulfan I	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Dieldrin	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
4,4'-DDE	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endrin	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endosulfan II	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
4,4'-DDD	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endosulfan sulfate	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
4,4'-DDT	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Methoxychlor	ug/Kg	18 U	23 U		20 U	19 U	23 UJ	21 U	19 U	24 U	21 U
Endrin ketone	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
Endrin aldehyde	ug/Kg	3.6 U	4.5 U		3.8 U	3.7 U	4.5 UJ	4 U	3.6 U	4.6 U	4 U
alpha-Chlordane	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
gamma-Chlordane	ug/Kg	1.8 U	2.3 U		2 U	1.9 U	2.3 UJ	2.1 U	1.9 U	2.4 U	2.1 U
Toxaphene	ug/Kg	180 U	230 U		200 U	190 U	230 UJ	210 U	190 U	240 U	210 U
Aroclor-1016	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1221	ug/Kg	73 U	91 U		76 U	74 U	91 UJ	82 U	74 U	94 U	82 U
Aroclor-1232	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1242	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1248	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1254	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
Aroclor-1260	ug/Kg	36 U	45 U		38 U	37 U	45 UJ	40 U	36 U	46 U	40 U
METALS											
Aluminum	mg/Kg	13000	16100		15500	12400	13600	15800	12600	12100	19900
Antimony	mg/Kg	0.24 UJ	0.26 UJ		0.22 UJ	0.27 UJ	0.31 UJ	0.25 J	0.33 J	0.28 UJ	0.26 UJ
Arsenic	mg/Kg	3.7	5.8		4.5	5.3	6 J	6.7 J	5.2 J	4.8 J	7.8 J
Barium	mg/Kg	59.3	116		85	65.6	110	107	62.5	100	147
Beryllium	mg/Kg	0.6 J	0.81 J		0.68 J	0.56 J	0.82 J	0.64 J	0.61 J	0.66 J	0.99 J
Cadmium	mg/Kg	0.46 J	0.61 J		0.49 J	0.44 J	0.53 J	0.51 J	0.38 J	0.43 J	0.56 J
Calcium	mg/Kg	60900 J	10900 J		29700 J	64000 J	3090	16300	47700	4750	5810
Chromium	mg/Kg	19	23.3		21.3	19.3	20.2	23.7	19.9	16.7	27.5
Cobalt	mg/Kg	11.7	13.9		10.8	12.7	11.2 J	12.8	9.6 J	8.5 J	11.9
Copper	mg/Kg	17.2	28		21.2	22.4	30.4	28.3	23.5	25	26.8
Iron	mg/Kg	26600	32500		26200	26600	25500	32500	26000	21000	36200
Lead	mg/Kg	13.6 J	32.5 J		9.9 J	9 J	19.1	12.6	9.7	17.5	13.6
Magnesium	mg/Kg	5810	5740		6010	6170	3620	4850	5700	3140	5180
Manganese	mg/Kg	642	1040		659	748	973	971	539	684	776
Mercury	mg/Kg	0.04 J	0.06 J		0.04 J	0.02 J	0.06 J R	0.47 R	0.09 J R	0.11 J R	0.06 J R
Nickel	mg/Kg	29.5	34.4		29.4	34.7	25.1	34	31.5	18.1	35.3
Potassium	mg/Kg	1790 J	2030 J		1640 J	1390 J	1970 J	1530 J	1540 J	1670 J	2300 J
Selenium	mg/Kg	0.62 J	1.9		1.3	0.55 U	1 J	1.2	0.54 U	1.3	1.3
Silver	mg/Kg	0.09 U	0.11 U		0.08 U	0.1 U	0.12 U	0.09 U	0.1 U	0.11 U	0.1 U
Sodium	mg/Kg	90.6 J	21.3 U		37.3 J	94.7 J	103 J	101 J	148 J	97.3 J	108 J
Thallium	mg/Kg	0.57 J	0.57 J		0.32 U	0.39 U	0.66 J	0.76 J	0.38 U	0.49 J	0.62 J
Vanadium	mg/Kg	16.7	23.9		22.3	16.7	23.7	23.9	19.1	21.4	35.3
Zinc	mg/Kg	69.6	106		65.2	85.9	72.9 J	61.6 J	75.7 J	61.8 J	89.4 J
Cyanide	mg/Kg	0.51 U	0.67 U		0.57 U	0.51 U	0.67 UJ	0.57 UJ	0.51 UJ	0.67 UJ	0.56 UJ
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	92.3	73.6		86	69.5	73.9	82.4	91	71.1	82.2

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 4-5.1 06/25/94 SB64D-10.03 225561 45058
VOLATILE ORGANICS		
Chloromethane	ug/Kg	12 U
Bromomethane	ug/Kg	12 U
Vinyl Chloride	ug/Kg	12 U
Chloroethane	ug/Kg	12 U
Methylene Chloride	ug/Kg	12 U
Acetone	ug/Kg	12 U
Carbon Disulfide	ug/Kg	12 U
1,1-Dichloroethene	ug/Kg	12 U
1,1-Dichloroethane	ug/Kg	12 U
1,2-Dichloroethene (total)	ug/Kg	12 U
Chloroform	ug/Kg	12 U
1,2-Dichloroethane	ug/Kg	12 U
2-Butanone	ug/Kg	12 U
1,1,1-Trichloroethane	ug/Kg	12 U
Carbon Tetrachloride	ug/Kg	12 U
Bromodichloromethane	ug/Kg	12 U
1,2-Dichloropropane	ug/Kg	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U
Trichloroethene	ug/Kg	12 U
Dibromochloromethane	ug/Kg	12 U
1,1,2-Trichloroethane	ug/Kg	12 U
Benzene	ug/Kg	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U
Bromoform	ug/Kg	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U
2-Hexanone	ug/Kg	12 U
Tetrachloroethene	ug/Kg	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U
Toluene	ug/Kg	12 U
Chlorobenzene	ug/Kg	12 U
Ethylbenzene	ug/Kg	12 U
Styrene	ug/Kg	12 U
Xylene (total)	ug/Kg	12 U
HERBICIDES		
2,4-D	ug/Kg	
2,4-DB	ug/Kg	
2,4,5-T	ug/Kg	
2,4,5-TP (Silvex)	ug/Kg	
Dalapon	ug/Kg	
Dicamba	ug/Kg	
Dichloroprop	ug/Kg	
Dinoseb	ug/Kg	
MCPA	ug/Kg	
MCPP	ug/Kg	
NITROAROMATICS		
HMX	ug/Kg	
RDX	ug/Kg	
1,3,5-Trinitrobenzene	ug/Kg	
1,3-Dinitrobenzene	ug/Kg	
Tetryl	ug/Kg	
2,4,6-Trinitrotoluene	ug/Kg	
4-amino-2,6-Dinitrotoluene	ug/Kg	
2-amino-4,6-Dinitrotoluene	ug/Kg	
2,6-Dinitrotoluene	ug/Kg	
2,4-Dinitrotoluene	ug/Kg	

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND		
	MATRIX	SOIL
	LOCATION	SEAD-64
	DEPTH (FEET)	4-5.1
	SAMPLE DATE	06/25/94
	ES ID	SB64D-10.03
	LAB ID	225581
	SDG NUMBER	45056
COMPOUND	UNITS	
SEMIVOLATILE ORGANICS		
Phenol	ug/Kg	370 U
bis(2-Chloroethyl) ether	ug/Kg	370 U
2-Chlorophenol	ug/Kg	370 U
1,3-Dichlorobenzene	ug/Kg	370 U
1,4-Dichlorobenzene	ug/Kg	370 U
1,2-Dichlorobenzene	ug/Kg	370 U
2-Methylphenol	ug/Kg	370 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	370 U
4-Methylphenol	ug/Kg	370 U
N-Nitroso-di-n-propylamine	ug/Kg	370 U
Hexachloroethane	ug/Kg	370 U
Nitrobenzene	ug/Kg	370 U
Isophorone	ug/Kg	370 U
2-Nitrophenol	ug/Kg	370 U
2,4-Dimethylphenol	ug/Kg	370 U
bis(2-Chloroethoxy) methane	ug/Kg	370 U
2,4-Dichlorophenol	ug/Kg	370 U
1,2,4-Trichlorobenzene	ug/Kg	370 U
Naphthalene	ug/Kg	370 U
4-Chloroaniline	ug/Kg	370 U
Hexachlorobutadiene	ug/Kg	370 U
4-Chloro-3-methylphenol	ug/Kg	370 U
2-Methylnaphthalene	ug/Kg	370 U
Hexachlorocyclopentadiene	ug/Kg	370 U
2,4,6-Trichlorophenol	ug/Kg	370 U
2,4,5-Trichlorophenol	ug/Kg	910 U
2-Chloronaphthalene	ug/Kg	370 U
2-Nitroaniline	ug/Kg	910 U
Dimethylphthalate	ug/Kg	370 U
Acenaphthylene	ug/Kg	370 U
2,6-Dinitrotoluene	ug/Kg	370 U
3-Nitroaniline	ug/Kg	910 U
Acenaphthene	ug/Kg	370 U
2,4-Dinitrophenol	ug/Kg	910 U
4-Nitrophenol	ug/Kg	910 U
Dibenzofuran	ug/Kg	370 U
2,4-Dinitrotoluene	ug/Kg	370 U
Diethylphthalate	ug/Kg	370 U
4-Chlorophenyl-phenylether	ug/Kg	370 U
Fluorene	ug/Kg	370 U
4-Nitroaniline	ug/Kg	910 U
4,6-Dinitro-2-methylphenol	ug/Kg	910 U
N-Nitrosodiphenylamine	ug/Kg	370 U
4-Bromophenyl-phenylether	ug/Kg	370 U
Hexachlorobenzene	ug/Kg	370 U
Pentachlorophenol	ug/Kg	910 U
Phenanthrene	ug/Kg	370 U
Anthracene	ug/Kg	370 U
Carbazole	ug/Kg	370 U
Di-n-butylphthalate	ug/Kg	24 J
Fluoranthene	ug/Kg	370 U
Pyrene	ug/Kg	370 U
Butylbenzylphthalate	ug/Kg	370 U
3,3'-Dichlorobenzidine	ug/Kg	370 U
Benzo(a)anthracene	ug/Kg	370 U
Chrysene	ug/Kg	370 U
bis(2-Ethylhexyl)phthalate	ug/Kg	370 U
Di-n-octylphthalate	ug/Kg	370 U
Benzo(b)fluoranthene	ug/Kg	370 U
Benzo(k)fluoranthene	ug/Kg	370 U
Benzo(a)pyrene	ug/Kg	370 U
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U
Dibenz(a,h)anthracene	ug/Kg	370 U
Benzo(g,h,i)perylene	ug/Kg	370 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 4-5.1 06/25/94 SB64D-10.03 225581 45058
PESTICIDES/PCB		
alpha-BHC	ug/Kg	1.9 UJ
beta-BHC	ug/Kg	1.9 UJ
delta-BHC	ug/Kg	1.9 UJ
gamma-BHC (Lindane)	ug/Kg	1.9 UJ
Heptachlor	ug/Kg	1.9 UJ
Aldrin	ug/Kg	1.9 UJ
Heptachlor epoxide	ug/Kg	1.9 UJ
Endosulfan I	ug/Kg	1.9 UJ
Dieldrin	ug/Kg	3.7 UJ
4,4'-DDE	ug/Kg	3.7 UJ
Endrin	ug/Kg	3.7 UJ
Endosulfan II	ug/Kg	3.7 UJ
4,4'-DDD	ug/Kg	3.7 UJ
Endosulfan sulfate	ug/Kg	3.7 UJ
4,4'-DDT	ug/Kg	3.7 UJ
Methoxychlor	ug/Kg	19 UJ
Endrin ketone	ug/Kg	3.7 UJ
Endrin aldehyde	ug/Kg	3.7 UJ
alpha-Chlordane	ug/Kg	1.9 UJ
gamma-Chlordane	ug/Kg	1.9 UJ
Toxaphene	ug/Kg	190 UJ
Aroclor-1016	ug/Kg	37 UJ
Aroclor-1221	ug/Kg	76 UJ
Aroclor-1232	ug/Kg	37 UJ
Aroclor-1242	ug/Kg	37 UJ
Aroclor-1248	ug/Kg	37 UJ
Aroclor-1254	ug/Kg	37 UJ
Aroclor-1260	ug/Kg	37 UJ
METALS		
Aluminum	mg/Kg	9180
Antimony	mg/Kg	0.35 J
Arsenic	mg/Kg	4.4 J
Barium	mg/Kg	97.7
Beryllium	mg/Kg	0.47 J
Cadmium	mg/Kg	0.4 J
Calcium	mg/Kg	162000
Chromium	mg/Kg	14.5
Cobalt	mg/Kg	8.7 J
Copper	mg/Kg	15.7
Iron	mg/Kg	17000
Lead	mg/Kg	8
Magnesium	mg/Kg	16300
Manganese	mg/Kg	352
Mercury	mg/Kg	0.03 J
Nickel	mg/Kg	19
Potassium	mg/Kg	2040 J
Selenium	mg/Kg	0.5 U
Silver	mg/Kg	0.09 U
Sodium	mg/Kg	266 J
Thallium	mg/Kg	0.35 U
Vanadium	mg/Kg	17.3
Zinc	mg/Kg	40.6 J
Cyanide	mg/Kg	0.55 UJ
OTHER ANALYSES		
Nitrate/Nitrite-Nitrogen	mg/Kg	
Total Petroleum Hydrocarbons	mg/Kg	
Total Solids	%W/W	87.7

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	07/19/94	07/21 & 22/94	07/07/94	07/10/94	07/10/94	07/10/94	07/11/94	07/21/94	07/21/94	07/21/94
	ES ID	MW64A-1	MW64A-2	MW64A-3	MW64B-1	MW64B-2	MW64B-3	MW64C-1	MW64C-6	MW64C-7	MW64C-8
	LAB ID	227451	227730, 227	226306	226485	226486	226487	226668	227733	227734	227735
	SDG NUMBER	45448	45448	45257	45282	45282	45282	45282	45448	45448	45448
COMPOUND	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES											
2,4-D	ug/L										
2,4-DB	ug/L										
2,4,5-T	ug/L										
2,4,5-TP (Silvex)	ug/L										
Dalapon	ug/L										
Dicamba	ug/L										
Dichloroprop	ug/L										
Dinoseb	ug/L										
MCPA	ug/L										
MCPP	ug/L										
NITROAROMATICS											
HMX	ug/L										
RDX	ug/L										
1,3,5-Trinitrobenzene	ug/L										
1,3-Dinitrobenzene	ug/L										
Tetryl	ug/L										
2,4,6-Trinitrotoluene	ug/L										
4-amino-2,6-Dinitrotoluene	ug/L										
2-amino-4,6-Dinitrotoluene	ug/L										
2,6-Dinitrotoluene	ug/L										
2,4-Dinitrotoluene	ug/L										

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	07/19/94	07/21 & 22/94	07/07/94	07/10/94	07/10/94	07/10/94	07/11/94	07/21/94	07/21/94	07/21/94
	ES ID	MW64A-1	MW64A-2	MW64A-3	MW64B-1	MW64B-2	MW64B-3	MW64C-1	MW64C-6	MW64C-7	MW64C-8
	LAB ID	227451	227730, 227	226306	226485	226486	226487	226668	227733	227734	227735
	SDG NUMBER	45448	45448	45257	45282	45282	45282	45262	45448	45448	45448
COMPOUND	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	2 J	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2-Chlorophenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2-Methylphenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Methylphenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Hexachloroethane	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Nitrobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Isophorone	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2-Nitrophenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Naphthalene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Chloroaniline	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
2-Chloronaphthalene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2-Nitroaniline	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
Dimethylphthalate	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Acenaphthylene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
3-Nitroaniline	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
Acenaphthene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4-Dinitrophenol	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
4-Nitrophenol	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
Dibenzofuran	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Diethylphthalate	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Fluorene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Nitroaniline	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
N-Nitrosodiphenylamine	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Hexachlorobenzene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Pentachlorophenol	ug/L	27 UJ	26 U	25 U	29 U	29 U	25 U	26 U	26 U	28 U	26 U
Phenanthrene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Anthracene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Carbazole	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Di-n-butylphthalate	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Fluoranthene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Pyrene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Butylbenzylphthalate	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Benzo(a)anthracene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Chrysene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 UJ	10 U	13 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Di-n-octylphthalate	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Benzo(a)pyrene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 UJ	10 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	10 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	07/19/94	07/21 & 22/94	07/07/94	07/10/94	07/10/94	07/10/94	07/11/94	07/21/94	07/21/94	07/21/94
	ES ID	MW64A-1	MW64A-2	MW64A-3	MW64B-1	MW64B-2	MW64B-3	MW64C-1	MW64C-6	MW64C-7	MW64C-8
	LAB ID	227451	227730, 227	226306	226485	226486	226487	226666	227733	227734	227735
	SDG NUMBER	45448	45448	45257	45282	45282	45282	45282	45448	45448	45448
	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
beta-BHC	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
delta-BHC	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Heptachlor	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Aldrin	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Heptachlor epoxide	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Endosulfan I	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Dieldrin	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Endrin	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Methoxychlor	ug/L	0.51 U	0.52 U	0.51 U	0.5 U	0.56 U	0.51 U	0.51 U	0.54 U	0.54 U	0.54 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.11 U	0.11 U
alpha-Chlordane	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
gamma-Chlordane	ug/L	0.051 U	0.052 U	0.051 U	0.05 U	0.056 U	0.051 U	0.051 U	0.054 U	0.054 U	0.054 U
Toxaphene	ug/L	5.1 U	5.2 U	5.1 U	5 U	5.6 U	5.1 U	5.1 U	5.4 U	5.4 U	5.4 U
Aroclor-1016	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Aroclor-1221	ug/L	2 U	2.1 U	2 U	2 U	2.2 U	2 U	2 U	2.1 U	2.2 U	2.1 U
Aroclor-1232	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Aroclor-1242	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Aroclor-1248	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Aroclor-1254	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
Aroclor-1260	ug/L	1 U	1 U	1 U	1 U	1.1 U	1 U	1 U	1.1 U	1.1 U	1.1 U
METALS											
Aluminum	ug/L	398	1710	379	198 J	51.9 J	1530	611	29.3 J	174 J	211
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2 U	2 U	2.2 J	2 U	2 U	2 U	2 U
Barium	ug/L	42 J	74.5 J	53.4 J	104 J	124 J	84.4 J	65.1 J	44 J	108 J	95.9 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	ug/L	109000	148000	143000	138000	131000	200000	115000	92500	90900	119000
Chromium	ug/L	0.49 J	3.8 J	0.46 J	0.41 J	0.4 U	3.1 J	2.5 J	0.4 U	0.4 J	0.43 J
Cobalt	ug/L	0.5 U	4.7 J	0.5 U	1.1 J	0.51 J	4.4 J	0.85 J	0.5 U	0.6 J	5.5 J
Copper	ug/L	0.61 J	1.4 J	0.97 J	1 J	0.56 J	3.1 J	1.7 J	0.59 J	0.53 J	0.67 J
Iron	ug/L	773 J	3340 J	539	400	108	5090	2640	78.3 J	311 J	375 J
Lead	ug/L	0.89 U	0.9 U	0.9 U	0.9 U	0.89 U	0.89 U	0.9 U	6.4	0.89 U	0.89 U
Magnesium	ug/L	16800	23400	20700	45600	39600	76000	44200	27900	22000	22100
Manganese	ug/L	26.3	2040	40.6	98.9	54	559	149	69.9	18	17
Mercury	ug/L	0.04 J	0.06 J	0.04 J	0.04 U	0.04 U	0.04 U	0.04 U	0.14 J	0.06 J	0.07 J
Nickel	ug/L	1 J	9.6 J	1.9 J	1.4 J	0.74 J	7 J	2.3 J	0.7 U	1 J	0.7 U
Potassium	ug/L	1790 J	15000 J	2010 J	4780 J	4570 J	4480 J	3830 J	1140 J	942 J	794 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 J	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Sodium	ug/L	2180 J	13000	10000	8140	9190	17600	5860	4240 J	2880 J	30400
Thallium	ug/L	1.9 U	3.3 J	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	2.1 J
Vanadium	ug/L	1.3 J	3 J	0.65 J	0.73 J	0.61 J	2.9 J	2 J	0.67 J	0.63 J	0.81 J
Zinc	ug/L	3.9 J	16 J	5.8 J	3.9 J	2.8 J	16.6 J	6 J	5.6 J	5.6 J	5.6 J
Cyanide	ug/L	5 U	5 UJ	5 U	5 U	5 U	5 U	5 U	5 UJ	5 UJ	5 UJ
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/L										
Total Petroleum Hydrocarbons	mg/L										
pH	Standard Units	7.4	7.4	7	6.4	8.2	7.4	7.1	7.6	6.4	6.9
Conductivity	umhos/cm	500	950	620	710	710	1010	520	500	450	725
Temperature	°C	15	21.6	13.6	12.9	14.5	11.6	11.2	15.4	15.3	17.3
Turbidity	NTU	15	80	120	14	3.3	331	66	0.9	10.6	12.1

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	07/10/94	07/08/94	07/09/94	07/08/94	07/08/94	07/18/94
	ES ID	MW64C-9	MW64D-1	MW64D-2	MW64D-3	MW64D-4	MW64D-5
	LAB ID	226484	226385	226386	226387	226388	227269
	SDG NUMBER	45282	45257	45257	45257	45257	45332
COMPOUND	UNITS	Also labelled MW-9					
VOLATILE ORGANICS							
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES							
2,4-D	ug/L						
2,4-DB	ug/L						
2,4,5-T	ug/L						
2,4,5-TP (Silvex)	ug/L						
Dalapon	ug/L						
Dicamba	ug/L						
Dichloroprop	ug/L						
Dinoseb	ug/L						
MCPA	ug/L						
MCPP	ug/L						
NITROAROMATICS							
HMX	ug/L						
RDX	ug/L						
1,3,5-Trinitrobenzene	ug/L						
1,3-Dinitrobenzene	ug/L						
Tetryl	ug/L						
2,4,6-Trinitrotoluene	ug/L						
4-amino-2,6-Dinitrotoluene	ug/L						
2-amino-4,6-Dinitrotoluene	ug/L						
2,6-Dinitrotoluene	ug/L						
2,4-Dinitrotoluene	ug/L						

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	07/10/94	07/08/94	07/09/94	07/08/94	07/08/94	07/18/94
	ES ID	MW64C-9	MW64D-1	MW64D-2	MW64D-3	MW64D-4	MW64D-5
	LAB ID	226484	226385	226386	226387	226388	227269
	SDG NUMBER	45282	45257	45257	45257	45257	45332
COMPOUND	UNITS	Also labelled MW-9					
SEMIVOLATILE ORGANICS							
Phenol	ug/L	2 J	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2-Methylphenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
4-Methylphenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Hexachloroethane	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Nitrobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Isophorone	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2-Nitrophenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Naphthalene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
2-Chloronaphthalene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
Dimethylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Acenaphthylene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
3-Nitroaniline	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
Acenaphthene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
4-Nitrophenol	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
Dibenzofuran	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Diethylphthalate	ug/L	0.7 J	10 U	11 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Fluorene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	29 U	26 U	26 U	25 U	26 U	26 U
Phenanthrene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Anthracene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Carbazole	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Fluoranthene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Pyrene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Chrysene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	20 U	10 U	11 U	10 U	10 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	11 U	10 U	10 U	10 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	07/10/94	07/08/94	07/09/94	07/08/94	07/08/94	07/18/94
	ES ID	MW64C-9	MW64D-1	MW64D-2	MW64D-3	MW64D-4	MW64D-5
	LAB ID	226484	226385	226386	226387	226388	227269
	SDG NUMBER	45282	45257	45257	45257	45257	45332
	UNITS	Also labelled MW-9					
PESTICIDES/PCB							
alpha-BHC	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
beta-BHC	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
delta-BHC	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
gamma-BHC (Lindane)	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Heptachlor	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Aldrin	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Heptachlor epoxide	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Endosulfan I	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Dieldrin	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
4,4'-DDE	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
Endrin	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
Endosulfan II	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
4,4'-DDD	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
4,4'-DDT	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
Methoxychlor	ug/L	0.51 U	0.56 U	0.52 U	0.51 U	0.54 U	0.52 UJ
Endrin ketone	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.1 U	0.1 U	0.11 U	0.1 UJ
alpha-Chlordane	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
gamma-Chlordane	ug/L	0.051 U	0.056 U	0.052 U	0.051 U	0.054 U	0.052 UJ
Toxaphene	ug/L	5.1 U	5.6 U	5.2 U	5.1 U	5.4 U	5.2 UJ
Aroclor-1016	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
Aroclor-1221	ug/L	2 U	2.2 U	2.1 U	2 U	2.2 U	2.1 UJ
Aroclor-1232	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
Aroclor-1242	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
Aroclor-1248	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
Aroclor-1254	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
Aroclor-1260	ug/L	1 U	1.1 U	1 U	1 U	1.1 U	1 UJ
METALS							
Aluminum	ug/L	38.2 J	177 J	1390	453	494	30100 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.5 J	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2 U	2 U	10
Barium	ug/L	20.4 J	88.6 J	62.8 J	75.9 J	63 J	693
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	3.1 J
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	1.3 J	0.2 U	1 J
Calcium	ug/L	121000	142000	122000	120000	140000	902000
Chromium	ug/L	0.4 U	0.4 U	1.5 J	0.63 J	0.42 J	47.1
Cobalt	ug/L	0.5 U	0.69 J	2.8 J	1.5 J	1.4 J	82.3
Copper	ug/L	0.55 J	0.5 U	3.9 J	2 J	0.68 J	41.3
Iron	ug/L	681	440	1730	538	552	65800
Lead	ug/L	0.9 U	0.9 U	1.2 J	0.89 U	0.89 U	71.6
Magnesium	ug/L	49400	14800	13000	14800	13200	35900
Manganese	ug/L	96	223	456	86.6	106	8250
Mercury	ug/L	0.04 U	0.04 U	0.04 U	0.04 U	0.04 J	0.05 J
Nickel	ug/L	1.2 J	1.4 J	4.1 J	1.1 J	1.5 J	108
Potassium	ug/L	1670 J	3340 J	3240 J	1770 J	1280 J	7080 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Sodium	ug/L	6420	12300	4490 J	6520	3350 J	4390 J
Thallium	ug/L	1.9 U	2.2 J	1.9 U	3.2 J	1.9 U	2.1 J
Vanadium	ug/L	0.61 J	0.69 J	2.1 J	0.9 J	0.69 J	42.9 J
Zinc	ug/L	3.9 J	3.8 J	12.4 J	14.4 J	6.5 J	305
Cyanide	ug/L	5 U	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES							
Nitrate/Nitrite-Nitrogen	mg/L						
Total Petroleum Hydrocarbons	mg/L						
pH	Standard Units	6.6	7.2	7.9	7.5	7.3	7.8
Conductivity	umhos/cm	690	725	490	550	595	550
Temperature	°C	12.4	22	15.6	16.9	15.2	15.3
Turbidity	NTU	2.4	1.5	161	127	141	>200

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-64 04/18/94 SW64B-1 218294 43626	WATER SEAD-64 04/18/94 SW64B-2 218295 43626	WATER SEAD-64 04/18/94 SW64B-3 218296 43626
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	2 J	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX / LOCATION / SAMPLE DATE / ES ID / LAB ID / SDG NUMBER / UNITS	WATER / SEAD-64 / 04/18/94 / SW64B-1 / 218294 / 43626	WATER / SEAD-64 / 04/18/94 / SW64B-2 / 218295 / 43626	WATER / SEAD-64 / 04/18/94 / SW64B-3 / 218296 / 43626
SEMIVOLATILE ORGANICS				
Phenol	ug/L	11 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	10 U
2-Chlorophenol	ug/L	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	10 U
2-Methylphenol	ug/L	11 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	10 U
4-Methylphenol	ug/L	11 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	10 U
Hexachloroethane	ug/L	11 U	11 U	10 U
Nitrobenzene	ug/L	11 U	11 U	10 U
Isophorone	ug/L	11 U	11 U	10 U
2-Nitrophenol	ug/L	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	10 U
Naphthalene	ug/L	11 U	11 U	10 U
4-Chloroaniline	ug/L	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	27 U	28 U	26 U
2-Chloronaphthalene	ug/L	11 U	11 U	10 U
2-Nitroaniline	ug/L	27 U	28 U	26 U
Dimethylphthalate	ug/L	11 U	11 U	10 U
Acenaphthylene	ug/L	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	10 U
3-Nitroaniline	ug/L	27 U	28 U	26 U
Acenaphthene	ug/L	11 U	11 U	10 U
2,4-Dinitrophenol	ug/L	27 U	28 U	26 U
4-Nitrophenol	ug/L	27 U	28 U	26 U
Dibenzofuran	ug/L	11 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U
Diethylphthalate	ug/L	11 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	10 U
Fluorene	ug/L	11 U	11 U	10 U
4-Nitroaniline	ug/L	27 U	28 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	27 U	28 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	10 U
Hexachlorobenzene	ug/L	11 U	11 U	10 U
Pentachlorophenol	ug/L	27 U	28 U	26 U
Phenanthrene	ug/L	11 U	11 U	10 U
Anthracene	ug/L	11 U	11 U	10 U
Carbazole	ug/L	11 U	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	11 U	10 U
Fluoranthene	ug/L	11 U	11 U	10 U
Pyrene	ug/L	11 U	11 U	10 U
Butylbenzylphthalate	ug/L	11 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	11 U	10 U
Benzo(a)anthracene	ug/L	11 U	11 U	10 U
Chrysene	ug/L	11 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	14 U	13 U
Di-n-octylphthalate	ug/L	11 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	11 U	10 U
Benzo(a)pyrene	ug/L	11 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-64	SEAD-64	SEAD-64
	SAMPLE DATE	04/18/94	04/18/94	04/18/94
	ES ID	SW64B-1	SW64B-2	SW64B-3
	LAB ID	218294	218295	218296
	SDG NUMBER	43626	43626	43626
COMPOUND	UNITS			
PESTICIDES/PCB				
alpha-BHC	ug/L	0.052 U	0.06 U	0.054 U
beta-BHC	ug/L	0.052 U	0.06 U	0.054 U
delta-BHC	ug/L	0.052 U	0.06 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.06 U	0.054 U
Heptachlor	ug/L	0.052 U	0.06 U	0.054 U
Aldrin	ug/L	0.052 U	0.06 U	0.054 U
Heptachlor epoxide	ug/L	0.052 U	0.06 U	0.054 U
Endosulfan I	ug/L	0.052 U	0.06 U	0.054 U
Dieldrin	ug/L	0.1 U	0.12 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.12 U	0.11 U
Endrin	ug/L	0.1 U	0.12 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.12 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.12 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.12 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.12 U	0.11 U
Methoxychlor	ug/L	0.52 U	0.6 U	0.54 U
Endrin ketone	ug/L	0.1 U	0.12 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.12 U	0.11 U
alpha-Chlordane	ug/L	0.052 U	0.06 U	0.054 U
gamma-Chlordane	ug/L	0.052 U	0.06 U	0.054 U
Toxaphene	ug/L	5.2 U	6 U	5.4 U
Aroclor-1016	ug/L	1 U	1.2 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.4 U	2.1 U
Aroclor-1232	ug/L	1 U	1.2 U	1.1 U
Aroclor-1242	ug/L	1 U	1.2 U	1.1 U
Aroclor-1248	ug/L	1 U	1.2 U	1.1 U
Aroclor-1254	ug/L	1 U	1.2 U	1.1 U
Aroclor-1260	ug/L	1 U	1.2 U	1.1 U
METALS				
Aluminum	ug/L	23.5 J	141 J	12.7 U
Antimony	ug/L	0.99 U	1 U	1 U
Arsenic	ug/L	1.5 U	1.5 U	1.5 U
Barium	ug/L	34 J	37.8 J	28.2 J
Beryllium	ug/L	0.06 U	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U	0.1 U
Calcium	ug/L	61100	61200	54000
Chromium	ug/L	0.4 U	0.41 J	0.42 J
Cobalt	ug/L	0.59 U	0.6 U	0.6 U
Copper	ug/L	1 J	1.5 J	1.3 J
Iron	ug/L	36.6 J	331	30.2 J
Lead	ug/L	0.79 U	0.8 U	0.8 U
Magnesium	ug/L	10900	10800	9250
Manganese	ug/L	4.7 J	39.2	1.6 J
Mercury	ug/L	0.03 U	0.03 U	0.03 U
Nickel	ug/L	0.59 U	1.2 J	1.1 J
Potassium	ug/L	1150 J	1180 J	1070 J
Selenium	ug/L	1.7 U	1.7 U	1.7 U
Silver	ug/L	0.69 U	0.7 U	0.7 U
Sodium	ug/L	3050 J	2990 J	2960 J
Thallium	ug/L	1.6 U	1.6 U	1.6 U
Vanadium	ug/L	0.69 U	0.7 U	0.7 U
Zinc	ug/L	3.5 J	7.7 J	1.5 J
Cyanide	ug/L	5 UJ	5 UJ	5 UJ
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.9	7.6	7.6
Conductivity	umhos/cm	293	280	255
Temperature	°C	16	16	15.9
Turbidity	NTU	0.6	0.5	0.8

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 0-0.2 04/18/94 SD64B-1 218210 43543	SOIL SEAD-64 0-0.2 04/18/94 SD64B-2 218211 43543	SOIL SEAD-64 0-0.2 04/18/94 SD64B-3 218212 43543
VOLATILE ORGANICS				
Chloromethane	ug/Kg	14 U	15 U	15 U
Bromomethane	ug/Kg	14 U	15 U	15 U
Vinyl Chloride	ug/Kg	14 U	15 U	15 U
Chloroethane	ug/Kg	14 U	15 U	15 U
Methylene Chloride	ug/Kg	3 J	6 J	2 J
Acetone	ug/Kg	14 U	15 U	15 U
Carbon Disulfide	ug/Kg	14 U	15 U	15 U
1,1-Dichloroethene	ug/Kg	14 U	15 U	15 U
1,1-Dichloroethane	ug/Kg	14 U	15 U	15 U
1,2-Dichloroethene (total)	ug/Kg	14 U	15 U	15 U
Chloroform	ug/Kg	14 U	15 U	15 U
1,2-Dichloroethane	ug/Kg	14 U	15 U	15 U
2-Butanone	ug/Kg	14 U	15 U	15 U
1,1,1-Trichloroethane	ug/Kg	14 U	15 U	15 U
Carbon Tetrachloride	ug/Kg	14 U	15 U	15 U
Bromodichloromethane	ug/Kg	14 U	15 U	15 U
1,2-Dichloropropane	ug/Kg	14 U	15 U	15 U
cis-1,3-Dichloropropene	ug/Kg	14 U	15 U	15 U
Trichloroethene	ug/Kg	14 U	15 U	15 U
Dibromochloromethane	ug/Kg	14 U	15 U	15 U
1,1,2-Trichloroethane	ug/Kg	14 U	15 U	15 U
Benzene	ug/Kg	14 U	15 U	15 U
trans-1,3-Dichloropropene	ug/Kg	14 U	15 U	15 U
Bromoform	ug/Kg	14 U	15 U	15 U
4-Methyl-2-Pentanone	ug/Kg	14 U	15 U	15 U
2-Hexanone	ug/Kg	14 U	15 U	15 U
Tetrachloroethene	ug/Kg	14 U	15 U	15 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	15 U	15 U
Toluene	ug/Kg	14 U	15 U	15 U
Chlorobenzene	ug/Kg	14 U	15 U	15 U
Ethylbenzene	ug/Kg	14 U	15 U	15 U
Styrene	ug/Kg	14 U	15 U	15 U
Xylene (total)	ug/Kg	14 U	15 U	15 U
HERBICIDES				
2,4-D	ug/Kg			
2,4-DB	ug/Kg			
2,4,5-T	ug/Kg			
2,4,5-TP (Silvex)	ug/Kg			
Dalapon	ug/Kg			
Dicamba	ug/Kg			
Dichloroprop	ug/Kg			
Dinoseb	ug/Kg			
MCPA	ug/Kg			
MCPP	ug/Kg			
NITROAROMATICS				
HMX	ug/Kg			
RDX	ug/Kg			
1,3,5-Trinitrobenzene	ug/Kg			
1,3-Dinitrobenzene	ug/Kg			
Tetryl	ug/Kg			
2,4,6-Trinitrotoluene	ug/Kg			
4-amino-2,6-Dinitrotoluene	ug/Kg			
2-amino-4,6-Dinitrotoluene	ug/Kg			
2,6-Dinitrotoluene	ug/Kg			
2,4-Dinitrotoluene	ug/Kg			

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 0-0.2 04/18/94 SD64B-1 218210 43543	SOIL SEAD-64 0-0.2 04/18/94 SD64B-2 218211 43543	SOIL SEAD-64 0-0.2 04/18/94 SD64B-3 218212 43543
SEMIVOLATILE ORGANICS				
Phenol	ug/Kg	460 U	460 U	450 U
bis(2-Chloroethyl) ether	ug/Kg	460 U	460 U	450 U
2-Chlorophenol	ug/Kg	460 U	460 U	450 U
1,3-Dichlorobenzene	ug/Kg	460 U	460 U	450 U
1,4-Dichlorobenzene	ug/Kg	460 U	460 U	450 U
1,2-Dichlorobenzene	ug/Kg	460 U	460 U	450 U
2-Methylphenol	ug/Kg	460 U	460 U	450 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	460 U	460 U	450 U
4-Methylphenol	ug/Kg	460 U	460 U	450 U
N-Nitroso-di-n-propylamine	ug/Kg	460 U	460 U	450 U
Hexachloroethane	ug/Kg	460 U	460 U	450 U
Nitrobenzene	ug/Kg	460 U	460 U	450 U
Isophorone	ug/Kg	460 U	460 U	450 U
2-Nitrophenol	ug/Kg	460 U	460 U	450 U
2,4-Dimethylphenol	ug/Kg	460 U	460 U	450 U
bis(2-Chloroethoxy) methane	ug/Kg	460 U	460 U	450 U
2,4-Dichlorophenol	ug/Kg	460 U	460 U	450 U
1,2,4-Trichlorobenzene	ug/Kg	460 U	460 U	450 U
Naphthalene	ug/Kg	460 U	460 U	450 U
4-Chloroaniline	ug/Kg	460 U	460 U	450 U
Hexachlorobutadiene	ug/Kg	460 U	460 U	450 U
4-Chloro-3-methylphenol	ug/Kg	460 U	460 U	450 U
2-Methylnaphthalene	ug/Kg	460 U	460 U	450 U
Hexachlorocyclopentadiene	ug/Kg	460 U	460 U	450 U
2,4,6-Trichlorophenol	ug/Kg	460 U	460 U	450 U
2,4,5-Trichlorophenol	ug/Kg	1100 U	1100 U	1100 U
2-Chloronaphthalene	ug/Kg	460 U	460 U	450 U
2-Nitroaniline	ug/Kg	1100 U	1100 U	1100 U
Dimethylphthalate	ug/Kg	460 U	460 U	450 U
Acenaphthylene	ug/Kg	460 U	460 U	450 U
2,6-Dinitrotoluene	ug/Kg	460 U	460 U	450 U
3-Nitroaniline	ug/Kg	1100 U	1100 U	1100 U
Acenaphthene	ug/Kg	460 U	460 U	450 U
2,4-Dinitrophenol	ug/Kg	1100 U	1100 U	1100 U
4-Nitrophenol	ug/Kg	1100 U	1100 U	1100 U
Dibenzofuran	ug/Kg	460 U	460 U	450 U
2,4-Dinitrotoluene	ug/Kg	460 U	460 U	450 U
Diethylphthalate	ug/Kg	460 U	460 U	450 U
4-Chlorophenyl-phenylether	ug/Kg	460 U	460 U	450 U
Fluorene	ug/Kg	460 U	460 U	450 U
4-Nitroaniline	ug/Kg	1100 U	1100 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	1100 U	1100 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	460 U	460 U	450 U
4-Bromophenyl-phenylether	ug/Kg	460 U	460 U	450 U
Hexachlorobenzene	ug/Kg	460 U	460 U	450 U
Pentachlorophenol	ug/Kg	1100 U	1100 U	1100 U
Phenanthrene	ug/Kg	460 U	460 U	31 J
Anthracene	ug/Kg	460 U	460 U	450 U
Carbazole	ug/Kg	460 U	460 U	450 U
Di-n-butylphthalate	ug/Kg	460 U	460 U	450 U
Fluoranthene	ug/Kg	460 U	460 U	55 J
Pyrene	ug/Kg	460 U	460 U	32 J
Butylbenzylphthalate	ug/Kg	460 U	460 U	450 U
3,3'-Dichlorobenzidine	ug/Kg	460 U	460 U	450 U
Benzo(a)anthracene	ug/Kg	460 U	460 U	450 U
Chrysene	ug/Kg	460 U	460 U	450 U
bis(2-Ethylhexyl)phthalate	ug/Kg	460 U	79 J	23 J
Di-n-octylphthalate	ug/Kg	460 U	460 U	450 U
Benzo(b)fluoranthene	ug/Kg	460 U	460 U	39 J
Benzo(k)fluoranthene	ug/Kg	460 U	460 U	30 J
Benzo(a)pyrene	ug/Kg	460 U	460 U	29 J
Indeno(1,2,3-cd)pyrene	ug/Kg	460 U	460 U	450 U
Dibenz(a,h)anthracene	ug/Kg	460 U	460 U	450 U
Benzo(g,h,i)perylene	ug/Kg	460 U	460 U	450 U

SENECA ARMY DEPOT
SEAD-64 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-64 0-0.2 04/18/94 SD64B-1 218210 43543	SOIL SEAD-64 0-0.2 04/18/94 SD64B-2 218211 43543	SOIL SEAD-64 0-0.2 04/18/94 SD64B-3 218212 43543
PESTICIDES/PCB				
alpha-BHC	ug/Kg	2.4 U	2.4 U	2.3 U
beta-BHC	ug/Kg	2.4 U	2.4 U	2.3 U
delta-BHC	ug/Kg	2.4 U	2.4 U	2.3 U
gamma-BHC (Lindane)	ug/Kg	2.4 U	2.4 U	2.3 U
Heptachlor	ug/Kg	2.4 U	2.4 U	1.1 J
Aldrin	ug/Kg	2.4 U	2.4 U	2.3 U
Heptachlor epoxide	ug/Kg	2.4 U	2.4 U	2.3 U
Endosulfan I	ug/Kg	2.4 U	2.4 U	2.4
Dieldrin	ug/Kg	4.6 U	4.6 U	4.5 U
4,4'-DDE	ug/Kg	4.6 U	4.6 U	3.3 J
Endrin	ug/Kg	4.6 U	4.6 U	4.5 U
Endosulfan II	ug/Kg	4.6 U	4.6 U	4.5 U
4,4'-DDD	ug/Kg	4.6 U	4.6 U	4.5 U
Endosulfan sulfate	ug/Kg	4.6 U	4.6 U	4.5 U
4,4'-DDT	ug/Kg	4.6 U	4.6 U	4.5 U
Methoxychlor	ug/Kg	24 U	24 U	23 U
Endrin ketone	ug/Kg	4.6 U	4.6 U	4.5 U
Endrin aldehyde	ug/Kg	4.6 U	4.6 U	4.5 U
alpha-Chlordane	ug/Kg	2.4 U	2.4 U	2.3 U
gamma-Chlordane	ug/Kg	2.4 U	2.4 U	2.3 U
Toxaphene	ug/Kg	240 U	240 U	230 U
Aroclor-1016	ug/Kg	46 U	46 U	45 U
Aroclor-1221	ug/Kg	93 U	93 U	91 U
Aroclor-1232	ug/Kg	46 U	46 U	45 U
Aroclor-1242	ug/Kg	46 U	46 U	45 U
Aroclor-1248	ug/Kg	46 U	46 U	45 U
Aroclor-1254	ug/Kg	46 U	46 U	45 U
Aroclor-1260	ug/Kg	46 U	46 U	45 U
METALS				
Aluminum	mg/Kg	7730	8730	12800
Antimony	mg/Kg	0.19 UJ	0.22 UJ	0.25 J
Arsenic	mg/Kg	5	4.5	7.5
Barium	mg/Kg	71.7	60.7	102
Beryllium	mg/Kg	0.42 J	0.44 J	0.67 J
Cadmium	mg/Kg	0.35 J	0.25 J	0.45 J
Calcium	mg/Kg	75900	63000	54200
Chromium	mg/Kg	11.9	13.2	19.3
Cobalt	mg/Kg	8.5 J	8.2 J	11.8
Copper	mg/Kg	17.6	15.7	27
Iron	mg/Kg	17000	16500	26100
Lead	mg/Kg	10.7	9.1	16.5
Magnesium	mg/Kg	11800	13200	14100
Manganese	mg/Kg	447	351	684
Mercury	mg/Kg	0.03 J	0.03 J	0.19 J
Nickel	mg/Kg	20.5	20.3	32
Potassium	mg/Kg	1330	1950	2190
Selenium	mg/Kg	0.32 U	0.37 U	0.36 U
Silver	mg/Kg	0.13 U	0.15 U	0.15 U
Sodium	mg/Kg	30.3 U	35.5 J	33.6 U
Thallium	mg/Kg	0.31 U	0.35 U	0.34 U
Vanadium	mg/Kg	15.7	17.1	25.9
Zinc	mg/Kg	66.1	52.2	82.2
Cyanide	mg/Kg	0.61 U	0.57 U	0.63 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/Kg			
Total Petroleum Hydrocarbons	mg/Kg			
Total Solids	%W/W	72.2	72.4	74.3

SEAD-67

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67
	DEPTH (FEET)	0-0.2	2-4	4-5	2-3	2-3	2-3	2-3	2-3
	SAMPLE DATE	03/30/94	03/30/94	03/30/94	06/06/94	06/06/94	06/06/94	06/06/94	06/06/94
	ES ID	MW67-2.00	MW67-2.02	MW67-2.03	TP67-1	TP67-2	TP67-3	TP67-4	TP67-5
	LAB ID	216109	216112	216113	223303	223305	223306	223307	223308
	SDG NUMBER	43257	43257	43257	44410	44410	44410	44410	44410
COMPOUND	UNITS								
VOLATILE ORGANICS									
Chloromethane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Bromomethane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Vinyl Chloride	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Chloroethane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Methylene Chloride	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Acetone	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Carbon Disulfide	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1-Dichloroethene	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1-Dichloroethane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
1,2-Dichloroethene (total)	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Chloroform	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
1,2-Dichloroethane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
2-Butanone	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1,1-Trichloroethane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Carbon Tetrachloride	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Bromodichloromethane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
1,2-Dichloropropane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
cis-1,3-Dichloropropene	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Trichloroethene	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Dibromochloromethane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1,2-Trichloroethane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Benzene	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
trans-1,3-Dichloropropene	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Bromoform	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
4-Methyl-2-Pentanone	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
2-Hexanone	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Tetrachloroethene	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Toluene	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Chlorobenzene	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Ethylbenzene	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Styrene	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
Xylene (total)	ug/Kg	14 U	12 U	11 U	12 U	12 U	11 U	12 U	13 U
HERBICIDES									
2,4-D	ug/Kg								
2,4-DB	ug/Kg								
2,4,5-T	ug/Kg								
2,4,5-TP (Silvex)	ug/Kg								
Dalapon	ug/Kg								
Dicamba	ug/Kg								
Dichloroprop	ug/Kg								
Dinoseb	ug/Kg								
MCPA	ug/Kg								
MCPP	ug/Kg								
NITROAROMATICS									
HMX	ug/Kg								
RDX	ug/Kg								
1,3,5-Trinitrobenzene	ug/Kg								
1,3-Dinitrobenzene	ug/Kg								
Tetryl	ug/Kg								
2,4,6-Trinitrotoluene	ug/Kg								
4-amino-2,6-Dinitrotoluene	ug/Kg								
2-amino-4,6-Dinitrotoluene	ug/Kg								
2,6-Dinitrotoluene	ug/Kg								
2,4-Dinitrotoluene	ug/Kg								

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67
	DEPTH (FEET)	0-0.2	2-4	4-5	2-3	2-3	2-3	2-3	2-3
	SAMPLE DATE	03/30/94	03/30/94	03/30/94	06/06/94	06/06/94	06/06/94	06/06/94	06/06/94
	ES ID	MW67-2.00	MW67-2.02	MW67-2.03	TP67-1	TP67-2	TP67-3	TP67-4	TP67-5
	LAB ID	216109	216112	216113	223303	223305	223306	223307	223308
	SDG NUMBER	43257	43257	43257	44410	44410	44410	44410	44410
COMPOUND	UNITS								
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
bis(2-Chloroethyl) ether	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Chlorophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,3-Dichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,4-Dichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,2-Dichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Methylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Methylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
N-Nitroso-di-n-propylamine	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Hexachloroethane	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Nitrobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Isophorone	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Nitrophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4-Dimethylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
bis(2-Chloroethoxy) methane	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4-Dichlorophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
1,2,4-Trichlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Naphthalene	ug/Kg	480 U	380 U	370 U	34 J	380 U	34 J	400 U	450 U
4-Chloroaniline	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Hexachlorobutadiene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Chloro-3-methylphenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Methylnaphthalene	ug/Kg	480 U	380 U	370 U	44 J	380 U	25 J	400 U	450 U
Hexachlorocyclopentadiene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4,6-Trichlorophenol	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
2-Chloronaphthalene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
2-Nitroaniline	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Dimethylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Acenaphthylene	ug/Kg	480 U	380 U	370 U	38 J	33 J	210 J	400 U	26 J
2,6-Dinitrotoluene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
3-Nitroaniline	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Acenaphthene	ug/Kg	480 U	380 U	370 U	50 J	380 U	380 U	400 U	450 U
2,4-Dinitrophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
4-Nitrophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Dibenzofuran	ug/Kg	480 U	380 U	370 U	50 J	380 U	380 U	400 U	450 U
2,4-Dinitrotoluene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Diethylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Chlorophenyl-phenylether	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Fluorene	ug/Kg	480 U	380 U	370 U	110 J	31 J	380 U	400 U	27 J
4-Nitroaniline	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
4-Bromophenyl-phenylether	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Hexachlorobenzene	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Pentachlorophenol	ug/Kg	1200 U	930 U	890 U	950 U	930 U	930 U	980 U	1100 U
Phenanthrene	ug/Kg	480 U	380 U	370 U	740	340 J	180 J	32 J	280 J
Anthracene	ug/Kg	480 U	380 U	370 U	97 J	44 J	140 J	400 U	43 J
Carbazole	ug/Kg	480 U	380 U	370 U	80 J	23 J	380 U	400 U	32 J
Di-n-butylphthalate	ug/Kg	480 U	47 J	370 U	390 U	380 U	380 U	400 U	450 U
Fluoranthene	ug/Kg	36 J	380 U	370 U	760	610	860	55 J	510
Pyrene	ug/Kg	31 J	380 U	370 U	520	500	950	43 J	450
Butylbenzylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
3,3'-Dichlorobenzidine	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Benzo(a)anthracene	ug/Kg	480 U	380 U	370 U	280 J	250 J	610	24 J	240 J
Chrysene	ug/Kg	480 U	380 U	370 U	300 J	290 J	690	29 J	230 J
bis(2-Ethylhexyl)phthalate	ug/Kg	480 U	250 J	230 J	29 J	380 U	380 U	400 U	450 U
Di-n-octylphthalate	ug/Kg	480 U	380 U	370 U	390 U	380 U	380 U	400 U	450 U
Benzo(b)fluoranthene	ug/Kg	480 U	380 U	370 U	440 J	470 J	1300 J	26 J	430 J
Benzo(k)fluoranthene	ug/Kg	480 U	380 U	370 U	390 UJ	380 UJ	380 UJ	28 J	450 UJ
Benzo(a)pyrene	ug/Kg	480 U	380 U	370 U	210 J	220 J	830	28 J	220 J
Indeno(1,2,3-cd)pyrene	ug/Kg	480 U	380 U	370 U	96 J	120 J	620	25 J	130 J
Dibenz(a,h)anthracene	ug/Kg	480 U	380 U	370 U	70 J	53 J	310 J	400 U	65 J
Benzo(g,h,i)perylene	ug/Kg	480 U	380 U	370 U	64 J	93 J	620	40 J	97 J

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67	SEAD-67
	DEPTH (FEET)	0-0.2	2-4	4-5	2-3	2-3	2-3	2-3	2-3
	SAMPLE DATE	03/30/94	03/30/94	03/30/94	06/06/94	06/06/94	06/06/94	06/06/94	06/06/94
	ES ID	MW67-2.00	MW67-2.02	MW67-2.03	TP67-1	TP67-2	TP67-3	TP67-4	TP67-5
	LAB ID	218109	216112	216113	223303	223305	223306	223307	223308
	SDG NUMBER	43257	43257	43257	44410	44410	44410	44410	44410
COMPOUND	UNITS								
PESTICIDES/PCB									
alpha-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
beta-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
delta-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
gamma-BHC (Lindane)	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
Heptachlor	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
Aldrin	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
Heptachlor epoxide	ug/Kg	5.5	2 U	1.9 U	2 U	2 U	1.2 J	2.1 U	2.3 U
Endosulfan I	ug/Kg	4	2 U	1.9 U	3.2 J	11 J	25 J	1.2 J	15 J
Dieldrin	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
4,4'-DDE	ug/Kg	4.8 U	3.8 U	3.7 U	2.3 J	4.5 J	4.8 J	4 U	3 J
Endrin	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
Endosulfan II	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
4,4'-DDD	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
Endosulfan sulfate	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	2.1 J	4 U	4.5 U
4,4'-DDT	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	6.3 J	9.4	4 U	4.2 J
Methoxychlor	ug/Kg	25 U	20 U	19 U	20 U	20 U	20 U	21 U	23 U
Endrin ketone	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
Endrin aldehyde	ug/Kg	4.8 U	3.8 U	3.7 U	3.9 U	3.8 U	3.8 U	4 U	4.5 U
alpha-Chlordane	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.4 J	2.1 J	2.1 U	1.9 J
gamma-Chlordane	ug/Kg	2.5 U	2 U	1.9 U	2 U	2 U	2 U	2.1 U	2.3 U
Toxaphene	ug/Kg	250 U	200 U	190 U	200 U	200 U	200 U	210 U	230 U
Aroclor-1016	ug/Kg	48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U
Aroclor-1221	ug/Kg	97 U	78 U	74 U	80 U	78 U	78 U	82 U	91 U
Aroclor-1232	ug/Kg	48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U
Aroclor-1242	ug/Kg	48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U
Aroclor-1248	ug/Kg	48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U
Aroclor-1254	ug/Kg	48 U	38 U	37 U	39 U	72 J	38 U	40 U	45 U
Aroclor-1260	ug/Kg	48 U	38 U	37 U	39 U	38 U	38 U	40 U	45 U
METALS									
Aluminum	mg/Kg	16700	14900	9460	16100	12200	9870	19100	17200
Antimony	mg/Kg	0.27 J	0.22 J	0.2 UJ	0.26 UJ	0.27 J	0.44 J	0.39 J	0.32 UJ
Arsenic	mg/Kg	4.4	4.5	4.2	4.8	5.4	5	6	4.9
Barium	mg/Kg	114	105	80.8	96.7	105	82.2	158	182
Beryllium	mg/Kg	0.67 J	0.61 J	0.4 J	0.74 J	0.62 J	0.49 J	0.87 J	0.83 J
Cadmium	mg/Kg	0.2 J	0.11 J	0.12 J	0.46 J	0.5 J	0.89 J	0.69 J	0.73 J
Calcium	mg/Kg	3580	79000	77800	6810	5940	139000	12000	20100
Chromium	mg/Kg	19.5	22.5	14.8	22.2	18.7	15.1	24.8	23.2
Cobalt	mg/Kg	7.5 J	10.4 J	9.7 J	10.7	9.5	7.5	11	12.8
Copper	mg/Kg	16.5	20.3	20.5	22	21.3	21.5	29.7	24.5
Iron	mg/Kg	20500	24400	18700	26000	24000	16800	27300	27300
Lead	mg/Kg	17.5	9.3	8.5	12.8	21.3	40.9	19.1	12
Magnesium	mg/Kg	3590	15600	20900	4760	4730	12900	6660	5010
Manganese	mg/Kg	438	528	411	594	624	627	863	1360
Mercury	mg/Kg	0.04	0.01 J	0.02 J	4 J	0.05 J	0.62 J	0.13 J	0.06 J
Nickel	mg/Kg	18.7	32.3	25.9	27.8	27.2	22	30.1	30.2
Potassium	mg/Kg	1760 J	3160 J	1970 J	1620 J	1390 J	2090 J	2520 J	2040 J
Selenium	mg/Kg	0.61	0.36 U	0.34 U	1	1.1	0.41 J	1.2	2
Silver	mg/Kg	0.11 U	0.15 U	0.14 U	0.1 UJ	0.09 UJ	0.07 UJ	0.11 UJ	0.12 UJ
Sodium	mg/Kg	25.1 U	112 J	107 J	19.9 U	26.4 J	111 J	39.4 J	26.1 J
Thallium	mg/Kg	0.48 J	0.34 U	0.32 U	0.38 U	0.34 U	0.28 U	0.41 U	0.47 U
Vanadium	mg/Kg	28.2	24.8	16.5	26.5	22.7	20.9	31.8	27.8
Zinc	mg/Kg	64.8	62	60.1	70.5	70.5	72.8	100	86.6
Cyanide	mg/Kg	0.64 U	0.5 U	0.54 U	0.55 U	0.48 U	0.53 U	0.58 U	0.67 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg								
Total Petroleum Hydrocarbons	mg/Kg								
Fluoride	mg/Kg								
pH	standard units								
Total Solids	%W/W	68.9	85.5	90.2	83.8	86.4	86.3	82	73.5

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-67	SEAD-67	SEAD-67
	SAMPLE DATE	07/07/94	07/10/94	07/08/94
	ES ID	MW67-1	MW67-2	MW67-3
	LAB ID	226307	226488	226308
	SDG NUMBER	45257	45282	45257
COMPOUND	UNITS			
VOLATILE ORGANICS				
Chloromethane	ug/L	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

NOTES:
NR stands for NOT RECORDED

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-67	SEAD-67	SEAD-67
	SAMPLE DATE	07/07/94	07/10/94	07/06/94
	ES ID	MW67-1	MW67-2	MW67-3
	LAB ID	226307	226488	226306
	SDG NUMBER	45257	45282	45257
	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/L	11 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	11 U	10 U
2-Chlorophenol	ug/L	11 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	11 U	10 U
2-Methylphenol	ug/L	11 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	11 U	10 U
4-Methylphenol	ug/L	11 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	11 U	10 U
Hexachloroethane	ug/L	11 U	11 U	10 U
Nitrobenzene	ug/L	11 U	11 U	10 U
Isophorone	ug/L	11 U	11 U	10 U
2-Nitrophenol	ug/L	11 U	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	11 U	10 U
Naphthalene	ug/L	11 U	11 U	10 U
4-Chloroaniline	ug/L	11 U	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	28 U	28 U	25 U
2-Chloronaphthalene	ug/L	11 U	11 U	10 U
2-Nitroaniline	ug/L	28 U	28 U	25 U
Dimethylphthalate	ug/L	11 U	11 U	10 U
Acenaphthylene	ug/L	11 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	11 U	10 U
3-Nitroaniline	ug/L	28 U	28 U	25 U
Acenaphthene	ug/L	11 U	11 U	10 U
2,4-Dinitrophenol	ug/L	28 U	28 U	25 U
4-Nitrophenol	ug/L	28 U	28 U	25 U
Dibenzofuran	ug/L	11 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	11 U	10 U
Diethylphthalate	ug/L	11 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	11 U	10 U
Fluorene	ug/L	11 U	11 U	10 U
4-Nitroaniline	ug/L	28 U	28 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	28 U	25 U
N-Nitrosodiphenylamine	ug/L	11 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	11 U	10 U
Hexachlorobenzene	ug/L	11 U	11 U	10 U
Pentachlorophenol	ug/L	28 U	28 U	25 U
Phenanthrene	ug/L	11 U	11 U	10 U
Anthracene	ug/L	11 U	11 U	10 U
Carbazole	ug/L	11 U	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	11 U	10 U
Fluoranthene	ug/L	11 U	11 U	10 U
Pyrene	ug/L	11 U	11 U	10 U
Butylbenzylphthalate	ug/L	11 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	11 U	10 U
Benzo(a)anthracene	ug/L	11 U	11 U	10 U
Chrysene	ug/L	11 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	11 U	13 U
Di-n-octylphthalate	ug/L	11 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	11 U	10 U
Benzo(a)pyrene	ug/L	11 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	11 U	10 U

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-67 07/07/94 MW67-1 226307 45257	WATER SEAD-67 07/10/94 MW67-2 226486 45262	WATER SEAD-67 07/08/94 MW67-3 226308 45257
PESTICIDES/PCB				
alpha-BHC	ug/L	0.052 U	0.052 U	0.056 U
beta-BHC	ug/L	0.052 U	0.052 U	0.056 U
delta-BHC	ug/L	0.052 U	0.052 U	0.056 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.052 U	0.056 U
Heptachlor	ug/L	0.052 U	0.052 U	0.056 U
Aldrin	ug/L	0.052 U	0.052 U	0.056 U
Heptachlor epoxide	ug/L	0.052 U	0.052 U	0.056 U
Endosulfan I	ug/L	0.052 U	0.052 U	0.056 U
Dieldrin	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.1 U	0.11 U
Endrin	ug/L	0.1 U	0.1 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.1 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.1 U	0.11 U
Methoxychlor	ug/L	0.52 U	0.52 U	0.56 U
Endrin ketone	ug/L	0.1 U	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.052 U	0.052 U	0.056 U
gamma-Chlordane	ug/L	0.052 U	0.052 U	0.056 U
Toxaphene	ug/L	5.2 U	5.2 U	5.6 U
Aroclor-1016	ug/L	1 U	1 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.1 U	2.3 U
Aroclor-1232	ug/L	1 U	1 U	1.1 U
Aroclor-1242	ug/L	1 U	1 U	1.1 U
Aroclor-1248	ug/L	1 U	1 U	1.1 U
Aroclor-1254	ug/L	1 U	1 U	1.1 U
Aroclor-1260	ug/L	1 U	1 U	1.1 U
METALS				
Aluminum	ug/L	5790	1240	448
Antimony	ug/L	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2.5 J	2 U	2 U
Barium	ug/L	203	100 J	98.9 J
Beryllium	ug/L	0.72 J	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U
Calcium	ug/L	351000	119000	122000
Chromium	ug/L	10	2 J	0.9 J
Cobalt	ug/L	12.3 J	1.4 J	1.3 J
Copper	ug/L	13.1 J	1.5 J	2 J
Iron	ug/L	10800	2270	689
Lead	ug/L	6.3	0.9 U	0.9 U
Magnesium	ug/L	51800	24200	24000
Manganese	ug/L	1710	153	194
Mercury	ug/L	0.09 J	0.04 U	0.06 J
Nickel	ug/L	15.9 J	2.9 J	2.2 J
Potassium	ug/L	5740	1870 J	1670 J
Selenium	ug/L	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U
Sodium	ug/L	4240 J	13700	4970 J
Thallium	ug/L	2 J	1.9 U	1.9 U
Vanadium	ug/L	9.2 J	2.1 J	0.86 J
Zinc	ug/L	29.6	6.5 J	6.7 J
Cyanide	ug/L	5 U	5 U	5 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.2	7	7
Conductivity	umhos/cm	520	490	440
Temperature	°C	14.9	12	11.9
Turbidity	NTU	>1000	90	NR

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-67 04/26/94 SW67-1 219464 43810	WATER SEAD-67 04/26/94 SW67-1RE 219464 43810	WATER SEAD-67 04/26/94 SW67-2 219465 43810
VOLATILE ORGANICS				
Chloromethane	ug/L	10 UJ	10 U R	10 U
Bromomethane	ug/L	10 UJ	10 U R	10 U
Vinyl Chloride	ug/L	10 UJ	10 U R	10 U
Chloroethane	ug/L	10 UJ	10 U R	10 U
Methylene Chloride	ug/L	10 UJ	10 U R	10 U
Acetone	ug/L	10 UJ	10 U R	10 U
Carbon Disulfide	ug/L	10 UJ	10 U R	10 U
1,1-Dichloroethene	ug/L	10 UJ	10 U R	10 U
1,1-Dichloroethane	ug/L	10 UJ	10 U R	10 U
1,2-Dichloroethene (total)	ug/L	10 UJ	10 U R	10 U
Chloroform	ug/L	10 UJ	10 U R	10 U
1,2-Dichloroethane	ug/L	10 UJ	10 U R	10 U
2-Butanone	ug/L	10 UJ	10 U R	10 U
1,1,1-Trichloroethane	ug/L	10 UJ	10 U R	10 U
Carbon Tetrachloride	ug/L	10 UJ	10 U R	10 U
Bromodichloromethane	ug/L	10 UJ	10 U R	10 U
1,2-Dichloropropane	ug/L	10 UJ	10 U R	10 U
cis-1,3-Dichloropropene	ug/L	10 UJ	10 U R	10 U
Trichloroethene	ug/L	10 UJ	10 U R	10 U
Dibromochloromethane	ug/L	10 UJ	10 U R	10 U
1,1,2-Trichloroethane	ug/L	10 UJ	10 U R	10 U
Benzene	ug/L	10 UJ	10 U R	10 U
trans-1,3-Dichloropropene	ug/L	10 UJ	10 U R	10 U
Bromoform	ug/L	10 UJ	10 U R	10 U
4-Methyl-2-Pentanone	ug/L	10 UJ	10 U R	10 U
2-Hexanone	ug/L	10 UJ	10 U R	10 U
Tetrachloroethene	ug/L	10 UJ	10 U R	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 UJ	10 U R	10 U
Toluene	ug/L	10 UJ	10 U R	10 U
Chlorobenzene	ug/L	10 UJ	10 U R	10 U
Ethylbenzene	ug/L	10 UJ	10 U R	10 U
Styrene	ug/L	10 UJ	10 U R	10 U
Xylene (total)	ug/L	10 UJ	10 U R	10 U
HERBICIDES				
2,4-D	ug/L			
2,4-DB	ug/L			
2,4,5-T	ug/L			
2,4,5-TP (Silvex)	ug/L			
Dalapon	ug/L			
Dicamba	ug/L			
Dichloroprop	ug/L			
Dinoseb	ug/L			
MCPA	ug/L			
MCPP	ug/L			
NITROAROMATICS				
HMX	ug/L			
RDX	ug/L			
1,3,5-Trinitrobenzene	ug/L			
1,3-Dinitrobenzene	ug/L			
Tetryl	ug/L			
2,4,6-Trinitrotoluene	ug/L			
4-amino-2,6-Dinitrotoluene	ug/L			
2-amino-4,6-Dinitrotoluene	ug/L			
2,6-Dinitrotoluene	ug/L			
2,4-Dinitrotoluene	ug/L			

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER
	LOCATION	SEAD-67	SEAD-67	SEAD-67
	SAMPLE DATE	04/26/94	04/26/94	04/26/94
	ES ID	SW67-1	SW67-1RE	SW67-2
	LAB ID	219464	219464	219465
	SDG NUMBER	43810	43810	43810
COMPOUND	UNITS			
SEMIVOLATILE ORGANICS				
Phenol	ug/L	10 U		11 U
bis(2-Chloroethyl) ether	ug/L	10 U		11 U
2-Chlorophenol	ug/L	10 U		11 U
1,3-Dichlorobenzene	ug/L	10 U		11 U
1,4-Dichlorobenzene	ug/L	10 U		11 U
1,2-Dichlorobenzene	ug/L	10 U		11 U
2-Methylphenol	ug/L	10 U		11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U		11 U
4-Methylphenol	ug/L	10 U		11 U
N-Nitroso-di-n-propylamine	ug/L	10 U		11 U
Hexachloroethane	ug/L	10 U		11 U
Nitrobenzene	ug/L	10 U		11 U
Isophorone	ug/L	10 U		11 U
2-Nitrophenol	ug/L	10 U		11 U
2,4-Dimethylphenol	ug/L	10 U		11 U
bis(2-Chloroethoxy) methane	ug/L	10 U		11 U
2,4-Dichlorophenol	ug/L	10 U		11 U
1,2,4-Trichlorobenzene	ug/L	10 U		11 U
Naphthalene	ug/L	10 U		11 U
4-Chloroaniline	ug/L	10 U		11 U
Hexachlorobutadiene	ug/L	10 U		11 U
4-Chloro-3-methylphenol	ug/L	10 U		11 U
2-Methylnaphthalene	ug/L	10 U		11 U
Hexachlorocyclopentadiene	ug/L	10 U		11 U
2,4,6-Trichlorophenol	ug/L	10 U		11 U
2,4,5-Trichlorophenol	ug/L	26 U		27 U
2-Chloronaphthalene	ug/L	10 U		11 U
2-Nitroaniline	ug/L	26 U		27 U
Dimethylphthalate	ug/L	10 U		11 U
Acenaphthylene	ug/L	10 U		11 U
2,6-Dinitrotoluene	ug/L	10 U		11 U
3-Nitroaniline	ug/L	26 U		27 U
Acenaphthene	ug/L	10 U		11 U
2,4-Dinitrophenol	ug/L	26 U		27 U
4-Nitrophenol	ug/L	26 U		27 U
Dibenzofuran	ug/L	10 U		11 U
2,4-Dinitrotoluene	ug/L	10 U		11 U
Diethylphthalate	ug/L	10 U		11 U
4-Chlorophenyl-phenylether	ug/L	10 U		11 U
Fluorene	ug/L	10 U		11 U
4-Nitroaniline	ug/L	26 U		27 U
4,6-Dinitro-2-methylphenol	ug/L	26 U		27 U
N-Nitrosodiphenylamine	ug/L	10 U		11 U
4-Bromophenyl-phenylether	ug/L	10 U		11 U
Hexachlorobenzene	ug/L	10 U		11 U
Pentachlorophenol	ug/L	26 U		27 U
Phenanthrene	ug/L	10 U		11 U
Anthracene	ug/L	10 U		11 U
Carbazole	ug/L	10 U		11 U
Di-n-butylphthalate	ug/L	10 U		11 U
Fluoranthene	ug/L	10 U		11 U
Pyrene	ug/L	10 U		11 U
Butylbenzylphthalate	ug/L	10 U		11 U
3,3'-Dichlorobenzidine	ug/L	10 U		11 U
Benzo(a)anthracene	ug/L	10 U		11 U
Chrysene	ug/L	10 U		11 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U		11 U
Di-n-octylphthalate	ug/L	10 U		11 U
Benzo(b)fluoranthene	ug/L	10 U		11 U
Benzo(k)fluoranthene	ug/L	10 U		11 U
Benzo(a)pyrene	ug/L	10 U		11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U		11 U
Dibenz(a,h)anthracene	ug/L	10 U		11 U
Benzo(g,h,i)perylene	ug/L	10 U		11 U

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-67 04/26/94 SW67-1 219464 43610	WATER SEAD-67 04/26/94 SW67-1RE 219464 43610	WATER SEAD-67 04/26/94 SW67-2 219465 43610
PESTICIDES/PCB				
alpha-BHC	ug/L	0.054 U		0.054 U
beta-BHC	ug/L	0.054 U		0.054 U
delta-BHC	ug/L	0.054 U		0.054 U
gamma-BHC (Lindane)	ug/L	0.054 U		0.054 U
Heptachlor	ug/L	0.054 U		0.054 U
Aldrin	ug/L	0.054 U		0.054 U
Heptachlor epoxide	ug/L	0.054 U		0.054 U
Endosulfan I	ug/L	0.054 U		0.054 U
Dieldrin	ug/L	0.11 U		0.11 U
4,4'-DDE	ug/L	0.11 U		0.11 U
Endrin	ug/L	0.11 U		0.11 U
Endosulfan II	ug/L	0.11 U		0.11 U
4,4'-DDD	ug/L	0.11 U		0.11 U
Endosulfan sulfate	ug/L	0.11 U		0.11 U
4,4'-DDT	ug/L	0.11 U		0.11 U
Methoxychlor	ug/L	0.54 U		0.54 U
Endrin ketone	ug/L	0.11 U		0.11 U
Endrin aldehyde	ug/L	0.11 U		0.11 U
alpha-Chlordane	ug/L	0.054 U		0.054 U
gamma-Chlordane	ug/L	0.054 U		0.054 U
Toxaphene	ug/L	5.4 U		5.4 U
Aroclor-1016	ug/L	1.1 U		1.1 U
Aroclor-1221	ug/L	2.1 U		2.2 U
Aroclor-1232	ug/L	1.1 U		1.1 U
Aroclor-1242	ug/L	1.1 U		1.1 U
Aroclor-1248	ug/L	1.1 U		1.1 U
Aroclor-1254	ug/L	1.1 U		1.1 U
Aroclor-1260	ug/L	1.1 U		1.1 U
METALS				
Aluminum	ug/L	129 J		38.1 J
Antimony	ug/L	1 U		0.99 U
Arsenic	ug/L	1.5 U		1.5 U
Barium	ug/L	45.8 J		45.6 J
Beryllium	ug/L	0.06 U		0.06 U
Cadmium	ug/L	0.1 U		0.1 U
Calcium	ug/L	77100		75900
Chromium	ug/L	0.4 U		0.4 U
Cobalt	ug/L	0.6 U		0.6 U
Copper	ug/L	1.1 J		0.86 J
Iron	ug/L	369		84.6 J
Lead	ug/L	0.8 U		0.79 U
Magnesium	ug/L	14100		14700
Manganese	ug/L	161		37.7
Mercury	ug/L	0.03 U		0.03 U
Nickel	ug/L	0.6 U		0.6 U
Potassium	ug/L	1160 J		1120 J
Selenium	ug/L	1.7 U		1.7 U
Silver	ug/L	0.7 U		0.7 U
Sodium	ug/L	5830		7660
Thallium	ug/L	1.6 U		2.1 J
Vanadium	ug/L	0.7 U		0.7 U
Zinc	ug/L	2.4 J		3.3 J
Cyanide	ug/L	5 U		5 U
OTHER ANALYSES				
Nitrate/Nitrite-Nitrogen	mg/L			
Total Petroleum Hydrocarbons	mg/L			
pH	Standard Units	7.9		7.5
Conductivity	umhos/cm	445		440
Temperature	°C	21.4		22.7
Turbidity	NTU	1.4		1.6

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

	MATRIX	SOIL	SOIL
	LOCATION	SEAD-67	SEAD-67
	DEPTH (FEET)	0-0.2	0-0.2
	SAMPLE DATE	04/26/94	04/26/94
	ES ID	SD67-1	SD67-2
	LAB ID	219450	219451
	SDG NUMBER	43663	43663
COMPOUND	UNITS		
VOLATILE ORGANICS			
Chloromethane	ug/Kg	26 UJ	20 UJ
Bromomethane	ug/Kg	26 UJ	20 UJ
Vinyl Chloride	ug/Kg	26 UJ	20 UJ
Chloroethane	ug/Kg	26 UJ	20 UJ
Methylene Chloride	ug/Kg	26 UJ	20 UJ
Acetone	ug/Kg	53 J	26 UJ
Carbon Disulfide	ug/Kg	26 UJ	20 UJ
1,1-Dichloroethene	ug/Kg	26 UJ	20 UJ
1,1-Dichloroethane	ug/Kg	26 UJ	20 UJ
1,2-Dichloroethene (total)	ug/Kg	26 UJ	20 UJ
Chloroform	ug/Kg	26 UJ	20 UJ
1,2-Dichloroethane	ug/Kg	26 UJ	20 UJ
2-Butanone	ug/Kg	21 J	20 UJ
1,1,1-Trichloroethane	ug/Kg	26 UJ	20 UJ
Carbon Tetrachloride	ug/Kg	26 UJ	20 UJ
Bromodichloromethane	ug/Kg	26 UJ	20 UJ
1,2-Dichloropropane	ug/Kg	26 UJ	20 UJ
cis-1,3-Dichloropropene	ug/Kg	26 UJ	20 UJ
Trichloroethene	ug/Kg	26 UJ	20 UJ
Dibromochloromethane	ug/Kg	26 UJ	20 UJ
1,1,2-Trichloroethane	ug/Kg	26 UJ	20 UJ
Benzene	ug/Kg	26 UJ	20 UJ
trans-1,3-Dichloropropene	ug/Kg	26 UJ	20 UJ
Bromoform	ug/Kg	26 UJ	20 UJ
4-Methyl-2-Pentanone	ug/Kg	26 UJ	20 UJ
2-Hexanone	ug/Kg	26 UJ	20 UJ
Tetrachloroethene	ug/Kg	26 UJ	20 UJ
1,1,2,2-Tetrachloroethane	ug/Kg	26 UJ	20 UJ
Toluene	ug/Kg	26 UJ	20 UJ
Chlorobenzene	ug/Kg	26 UJ	20 UJ
Ethylbenzene	ug/Kg	26 UJ	20 UJ
Styrene	ug/Kg	26 UJ	20 UJ
Xylene (total)	ug/Kg	26 UJ	20 UJ
HERBICIDES			
2,4-D	ug/Kg		
2,4-DB	ug/Kg		
2,4,5-T	ug/Kg		
2,4,5-TP (Silvex)	ug/Kg		
Dalapon	ug/Kg		
Dicamba	ug/Kg		
Dichloroprop	ug/Kg		
Dinoseb	ug/Kg		
MCPA	ug/Kg		
MCPP	ug/Kg		
NITROAROMATICS			
HMX	ug/Kg		
RDX	ug/Kg		
1,3,5-Trinitrobenzene	ug/Kg		
1,3-Dinitrobenzene	ug/Kg		
Tetryl	ug/Kg		
2,4,6-Trinitrotoluene	ug/Kg		
4-amino-2,6-Dinitrotoluene	ug/Kg		
2-amino-4,6-Dinitrotoluene	ug/Kg		
2,6-Dinitrotoluene	ug/Kg		
2,4-Dinitrotoluene	ug/Kg		

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

	MATRIX	SOIL	SOIL
	LOCATION	SEAD-67	SEAD-67
	DEPTH (FEET)	0-0.2	0-0.2
	SAMPLE DATE	04/26/94	04/26/94
	ES ID	SD67-1	SD67-2
	LAB ID	219450	219451
	SDG NUMBER	43663	43663
COMPOUND	UNITS		
SEMIVOLATILE ORGANICS			
Phenol	ug/Kg	820 UJ	670 UJ
bis(2-Chloroethyl) ether	ug/Kg	820 UJ	670 UJ
2-Chlorophenol	ug/Kg	820 UJ	670 UJ
1,3-Dichlorobenzene	ug/Kg	820 UJ	670 UJ
1,4-Dichlorobenzene	ug/Kg	820 UJ	670 UJ
1,2-Dichlorobenzene	ug/Kg	820 UJ	670 UJ
2-Methylphenol	ug/Kg	820 UJ	670 UJ
2,2'-oxybis(1-Chloropropane)	ug/Kg	820 UJ	670 UJ
4-Methylphenol	ug/Kg	820 UJ	670 UJ
N-Nitroso-di-n-propylamine	ug/Kg	820 UJ	670 UJ
Hexachloroethane	ug/Kg	820 UJ	670 UJ
Nitrobenzene	ug/Kg	820 UJ	670 UJ
Isophorone	ug/Kg	820 UJ	670 UJ
2-Nitrophenol	ug/Kg	820 UJ	670 UJ
2,4-Dimethylphenol	ug/Kg	820 UJ	670 UJ
bis(2-Chloroethoxy) methane	ug/Kg	820 UJ	670 UJ
2,4-Dichlorophenol	ug/Kg	820 UJ	670 UJ
1,2,4-Trichlorobenzene	ug/Kg	820 UJ	670 UJ
Naphthalene	ug/Kg	820 UJ	670 UJ
4-Chloroaniline	ug/Kg	820 UJ	670 UJ
Hexachlorobutadiene	ug/Kg	820 UJ	670 UJ
4-Chloro-3-methylphenol	ug/Kg	820 UJ	670 UJ
2-Methylnaphthalene	ug/Kg	820 UJ	670 UJ
Hexachlorocyclopentadiene	ug/Kg	820 UJ	670 UJ
2,4,6-Trichlorophenol	ug/Kg	820 UJ	670 UJ
2,4,5-Trichlorophenol	ug/Kg	2000 UJ	1600 UJ
2-Chloronaphthalene	ug/Kg	820 UJ	670 UJ
2-Nitroaniline	ug/Kg	2000 UJ	1600 UJ
Dimethylphthalate	ug/Kg	820 UJ	670 UJ
Acenaphthylene	ug/Kg	820 UJ	54 J
2,6-Dinitrotoluene	ug/Kg	820 UJ	670 UJ
3-Nitroaniline	ug/Kg	2000 UJ	1600 UJ
Acenaphthene	ug/Kg	820 UJ	120 J
2,4-Dinitrophenol	ug/Kg	2000 UJ	1600 UJ
4-Nitrophenol	ug/Kg	2000 UJ	1600 UJ
Dibenzofuran	ug/Kg	820 UJ	63 J
2,4-Dinitrotoluene	ug/Kg	820 UJ	670 UJ
Diethylphthalate	ug/Kg	820 UJ	670 UJ
4-Chlorophenyl-phenylether	ug/Kg	820 UJ	670 UJ
Fluorene	ug/Kg	820 UJ	270 J
4-Nitroaniline	ug/Kg	2000 UJ	1600 UJ
4,6-Dinitro-2-methylphenol	ug/Kg	2000 UJ	1600 UJ
N-Nitrosodiphenylamine	ug/Kg	820 UJ	670 UJ
4-Bromophenyl-phenylether	ug/Kg	820 UJ	670 UJ
Hexachlorobenzene	ug/Kg	820 UJ	670 UJ
Pentachlorophenol	ug/Kg	2000 UJ	1600 UJ
Phenanthrene	ug/Kg	260 J	2400
Anthracene	ug/Kg	820 UJ	600 J
Carbazole	ug/Kg	820 UJ	78 J
Di-n-butylphthalate	ug/Kg	820 UJ	670 UJ
Fluoranthene	ug/Kg	440 J	3400
Pyrene	ug/Kg	370 J	3000
Butylbenzylphthalate	ug/Kg	820 UJ	670 UJ
3,3'-Dichlorobenzidine	ug/Kg	820 UJ	670 UJ
Benzo(a)anthracene	ug/Kg	180 J	1400
Chrysene	ug/Kg	220 J	1300
bis(2-Ethylhexyl)phthalate	ug/Kg	820 UJ	670 UJ
Di-n-octylphthalate	ug/Kg	820 UJ	670 UJ
Benzo(b)fluoranthene	ug/Kg	180 J	880
Benzo(k)fluoranthene	ug/Kg	160 J	930
Benzo(a)pyrene	ug/Kg	170 J	970
Indeno(1,2,3-cd)pyrene	ug/Kg	98 J	460 J
Dibenz(a,h)anthracene	ug/Kg	820 UJ	230 J
Benzo(g,h,i)perylene	ug/Kg	87 J	370 J

SENECA ARMY DEPOT
SEAD-67 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

COMPOUND	UNITS		
	MATRIX	SOIL	SOIL
	LOCATION	SEAD-67	SEAD-67
	DEPTH (FEET)	0-0.2	0-0.2
	SAMPLE DATE	04/26/94	04/26/94
	ES ID	SD67-1	SD67-2
	LAB ID	219450	219451
	SDG NUMBER	43663	43663
PESTICIDES/PCB			
alpha-BHC	ug/Kg	4.2 UJ	3.5 UJ
beta-BHC	ug/Kg	4.2 UJ	3.5 UJ
delta-BHC	ug/Kg	4.2 UJ	3.5 UJ
gamma-BHC (Lindane)	ug/Kg	4.2 UJ	3.5 UJ
Heptachlor	ug/Kg	4.2 UJ	3.5 UJ
Aldrin	ug/Kg	4.2 UJ	3.5 UJ
Heptachlor epoxide	ug/Kg	4.2 UJ	3.5 UJ
Endosulfan I	ug/Kg	4.2 UJ	20 J
Dieldrin	ug/Kg	8.2 UJ	6.7 UJ
4,4'-DDE	ug/Kg	8.2 UJ	6.7 UJ
Endrin	ug/Kg	8.2 UJ	6.7 UJ
Endosulfan II	ug/Kg	8.2 UJ	6.7 UJ
4,4'-DDD	ug/Kg	8.2 UJ	6.7 UJ
Endosulfan sulfate	ug/Kg	8.2 UJ	6.7 UJ
4,4'-DDT	ug/Kg	8.2 UJ	4.1 J
Methoxychlor	ug/Kg	42 UJ	35 UJ
Endrin ketone	ug/Kg	8.2 UJ	6.7 UJ
Endrin aldehyde	ug/Kg	8.2 UJ	6.7 UJ
alpha-Chlordane	ug/Kg	4.8 J	3.6 J
gamma-Chlordane	ug/Kg	4.2 UJ	3.5 UJ
Toxaphene	ug/Kg	420 UJ	350 UJ
Aroclor-1016	ug/Kg	82 UJ	67 UJ
Aroclor-1221	ug/Kg	170 UJ	140 UJ
Aroclor-1232	ug/Kg	82 UJ	67 UJ
Aroclor-1242	ug/Kg	82 UJ	67 UJ
Aroclor-1248	ug/Kg	82 UJ	67 UJ
Aroclor-1254	ug/Kg	82 UJ	67 UJ
Aroclor-1260	ug/Kg	82 UJ	67 UJ
METALS			
Aluminum	mg/Kg	12000 J	10700 J
Antimony	mg/Kg	0.41 UJ	0.36 UJ
Arsenic	mg/Kg	3.7 J	4.2 J
Barium	mg/Kg	95.8 J	92.7 J
Beryllium	mg/Kg	0.58 J	0.56 J
Cadmium	mg/Kg	0.37 J	0.34 J
Calcium	mg/Kg	6620 J	13200 J
Chromium	mg/Kg	18 J	16.4 J
Cobalt	mg/Kg	8 J	8.3 J
Copper	mg/Kg	37.7 J	22.6 J
Iron	mg/Kg	18900 J	19800 J
Lead	mg/Kg	15.4 J	17.8 J
Magnesium	mg/Kg	4160 J	5030 J
Manganese	mg/Kg	413 J	731 J
Mercury	mg/Kg	0.15 J R	0.13 R
Nickel	mg/Kg	22.6 J	23.2 J
Potassium	mg/Kg	1650 J	1330 J
Selenium	mg/Kg	0.69 UJ	0.6 UJ
Silver	mg/Kg	1.7 J	1.1 J
Sodium	mg/Kg	84.5 J	107 J
Thallium	mg/Kg	0.65 UJ	0.57 UJ
Vanadium	mg/Kg	20.4 J	18.8 J
Zinc	mg/Kg	85.4 J	76.5 J
Cyanide	mg/Kg	1.2 UJ	0.84 UJ
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/Kg		
Total Petroleum Hydrocarbons	mg/Kg		
Fluoride	mg/Kg		
pH	standard units		
Total Solids	%W/W	40.1	48.9

SEAD-70

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	2-4	4-6	0-0.2	2-4	4-6	0-0.2	4-6	8-10	0-0.2
	SAMPLE DATE	05/11/94	05/11/94	05/11/94	02/22/94	02/22/94	02/22/94	02/21/94	02/21/94	02/21/94	02/21/94
	ES ID	MW70-1.00	MW70-1.02	MW70-1.03	SB70-1.01	SB70-1.02	SB70-1.03	SB70-2.01	SB70-2.03	SB70-2.05	SB70-3.01
	LAB ID	221049	221050	221051	212426	212427	212428	212429	212077	212078	212430
	SDG NUMBER	44090	44090	44090	42510	42510	42510	42510	42510	42510	42510
	UNITS										
VOLATILE ORGANICS											
Chloromethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Bromomethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Vinyl Chloride	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Chloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Methylene Chloride	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Acetone	ug/Kg	14 U	14 U	11 U	11 U	79	35 U	62	11 U	11 U	12 U
Carbon Disulfide	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1-Dichloroethene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1-Dichloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,2-Dichloroethene (total)	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Chloroform	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,2-Dichloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
2-Butanone	ug/Kg	14 U	12 U	11 U	11 U	36	17 U	15 U	11 U	11 U	12 U
1,1,1-Trichloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Carbon Tetrachloride	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Bromodichloromethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,2-Dichloropropane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
cis-1,3-Dichloropropene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Trichloroethene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Dibromochloromethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1,2-Trichloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Benzene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
trans-1,3-Dichloropropene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Bromoform	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
4-Methyl-2-Pentanone	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
2-Hexanone	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Tetrachloroethene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Toluene	ug/Kg	14 U	12 U	11 U	11 U	3 J	11 U	15 U	11 U	11 U	12 U
Chlorobenzene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Ethylbenzene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Styrene	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
Xylene (total)	ug/Kg	14 U	12 U	11 U	11 U	14 U	11 U	15 U	11 U	11 U	12 U
HERBICIDES											
2,4-D	ug/Kg										
2,4-DB	ug/Kg										
2,4,5-T	ug/Kg										
2,4,5-TP (Silvex)	ug/Kg										
Dalapon	ug/Kg										
Dicamba	ug/Kg										
Dichloroprop	ug/Kg										
Dinoseb	ug/Kg										
MCPA	ug/Kg										
MCPP	ug/Kg										
NITROAROMATICS											
HMX	ug/Kg										
RDX	ug/Kg										
1,3,5-Trinitrobenzene	ug/Kg										
1,3-Dinitrobenzene	ug/Kg										
Tetryl	ug/Kg										
2,4,6-Trinitrotoluene	ug/Kg										
4-amino-2,6-Dinitrotoluene	ug/Kg										
2-amino-4,6-Dinitrotoluene	ug/Kg										
2,6-Dinitrotoluene	ug/Kg										
2,4-Dinitrotoluene	ug/Kg										

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	2-4	4-6	0-0.2	2-4	4-6	0-0.2	4-6	8-10	0-0.2
	SAMPLE DATE	05/11/94	05/11/94	05/11/94	02/22/94	02/22/94	02/22/94	02/21/94	02/21/94	02/21/94	02/21/94
	ES ID	MW70-1.00	MW70-1.02	MW70-1.03	SB70-1.01	SB70-1.02	SB70-1.03	SB70-2.01	SB70-2.03	SB70-2.05	SB70-3.01
	LAB ID	221049	221050	221051	212426	212427	212428	212429	212077	212078	212430
	SDG NUMBER	44090	44090	44090	42510	42510	42510	42510	42510	42510	42510
	UNITS										
SEMIVOLATILE ORGANICS											
Phenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
bis(2-Chloroethyl) ether	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Chlorophenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,3-Dichlorobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,4-Dichlorobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,2-Dichlorobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Methylphenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Methylphenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
N-Nitroso-di-n-propylamine	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachloroethane	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Nitrobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Isophorone	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Nitrophenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dimethylphenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
bis(2-Chloroethoxy) methane	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dichlorophenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
1,2,4-Trichlorobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Naphthalene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Chloroaniline	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachlorobutadiene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Chloro-3-methylphenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Methylnaphthalene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachlorocyclopentadiene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4,6-Trichlorophenol	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4,5-Trichlorophenol	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
2-Chloronaphthalene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2-Nitroaniline	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Dimethylphthalate	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Acenaphthylene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,6-Dinitrotoluene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
3-Nitroaniline	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Acenaphthene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dinitrophenol	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
4-Nitrophenol	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Dibenzofuran	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
2,4-Dinitrotoluene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Diethylphthalate	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Chlorophenyl-phenylether	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Fluorene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Nitroaniline	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
4,6-Dinitro-2-methylphenol	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
N-Nitrosodiphenylamine	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
4-Bromophenyl-phenylether	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Hexachlorobenzene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Pentachlorophenol	ug/Kg	1200 U	960 U	890 U	940 U	910 U	960 U	1200 U	870 U	880 U	1100 U
Phenanthrene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Anthracene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Carbazole	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Di-n-butylphthalate	ug/Kg	490 U	400 U	370 U	35 J	28 J	35 J	54 J	360 U	360 U	45 J
Fluoranthene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	29 J	360 U	360 U	430 U
Pyrene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	26 J	360 U	360 U	430 U
Butylbenzylphthalate	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
3,3'-Dichlorobenzidine	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(a)anthracene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Chrysene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
bis(2-Ethylhexyl)phthalate	ug/Kg	78 J	550	610	21 J	27 J	73 J	550	43 J	66 J	48 J
Di-n-octylphthalate	ug/Kg	490 U	400 U	370 U	390 U	30 J	400 U	500 U	360 U	360 U	430 U
Benzo(b)fluoranthene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(k)fluoranthene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(a)pyrene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Indeno(1,2,3-cd)pyrene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Dibenz(a,h)anthracene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U
Benzo(g,h,i)perylene	ug/Kg	490 U	400 U	370 U	390 U	370 U	400 U	500 U	360 U	360 U	430 U

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	2-4	4-6	0-0.2	2-4	4-6	0-0.2	4-6	8-10	0-0.2
	SAMPLE DATE	05/11/94	05/11/94	05/11/94	02/22/94	02/22/94	02/22/94	02/21/94	02/21/94	02/21/94	02/21/94
	ES ID	MW70-1.00	MW70-1.02	MW70-1.03	SB70-1.01	SB70-1.02	SB70-1.03	SB70-2.01	SB70-2.03	SB70-2.05	SB70-3.01
	LAB ID	221049	221050	221051	212426	212427	212428	212429	212077	212078	212430
	SDG NUMBER	44090	44090	44090	42510	42510	42510	42510	42510	42510	42510
	UNITS										
PESTICIDES/PCB											
alpha-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
beta-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
delta-BHC	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
gamma-BHC (Lindane)	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Heptachlor	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Aldrin	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Heptachlor epoxide	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Endosulfan I	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Dieldrin	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
4,4'-DDE	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endrin	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endosulfan II	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
4,4'-DDD	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endosulfan sulfate	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
4,4'-DDT	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Methoxychlor	ug/Kg	25 U	20 U	19 U	20 U	19 U	20 U	26 U	18 U	19 U	22 U
Endrin ketone	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
Endrin aldehyde	ug/Kg	4.9 U	4 U	3.7 U	3.9 U	3.7 U	4 U	5 U	3.6 U	3.6 U	4.3 U
alpha-Chlordane	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
gamma-Chlordane	ug/Kg	2.5 U	2 U	1.9 U	2 U	1.9 U	2 U	2.6 U	1.8 U	1.9 U	2.2 U
Toxaphene	ug/Kg	250 U	200 U	190 U	200 U	190 U	200 U	260 U	180 U	190 U	220 U
Aroclor-1016	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1221	ug/Kg	99 U	81 U	74 U	79 U	76 U	81 U	100 U	73 U	74 U	88 U
Aroclor-1232	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1242	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1248	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1254	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
Aroclor-1260	ug/Kg	49 U	40 U	37 U	39 U	37 U	40 U	50 U	36 U	36 U	43 U
METALS											
Aluminum	mg/Kg	12200	9480	11000	12400	15600	16600	15800	11600	12900	9340
Antimony	mg/Kg	0.23 UJ	0.21 UJ	0.19 UJ	0.36 J	0.45 J	0.39 J	0.59 J	0.47 J	0.41 J	0.19 J
Arsenic	mg/Kg	5.4	4.1	5.7	3.5 J	4.8 J	4.5 J	88.5 J	4.5 J	4.5 J	6.9 J
Barium	mg/Kg	67.5	56.6	79.9	55.9	91.7	170	106	42.1	55.8	40.5
Beryllium	mg/Kg	0.44 J	0.41 J	0.54 J	0.6 J	0.77 J	0.81 J	0.73 J	0.54 J	0.62 J	0.44 J
Cadmium	mg/Kg	0.57 J	0.43 J	0.8 J	0.05 J	0.07 J	0.14 J	0.24 J	0.23 J	0.12 J	0.07 J
Calcium	mg/Kg	3600	51600	48600	15000	6150	4300	4260	55500	31700	22500
Chromium	mg/Kg	13.7	14.7	17.8	21.3	26.2	25.3	21.1	19	21.9	15.3
Cobalt	mg/Kg	5.5 J	7.1 J	21	11.9	15	13.1	8.5 J	10.8	12.3	8.4
Copper	mg/Kg	12.4	19.7	33.5	22.9	35.2	22.5	18.9	28.8	28.7	17.9
Iron	mg/Kg	17700	16000	26400	26300	32200	30300	24700	23300	26700	18900
Lead	mg/Kg	20.7	9.1	13.6	17.2 J	22.1 J	11.4 J	17.9 J	9.5 J	4.2 J	8.9 J
Magnesium	mg/Kg	2830	13600	7980	5070	6150	5580	4070	6260	8360	5490
Manganese	mg/Kg	233	470	1040	465	425	689	367	439	390	299
Mercury	mg/Kg	0.1	0.03 J	0.02 J	0.04 J	0.04 J	0.04 J	0.05 J	0.02 J	0.02 J	0.02 J
Nickel	mg/Kg	12.3	17.6	52.4	39.3	47.4	36	22	30.6	34	24.6
Potassium	mg/Kg	982 J	1590	1350	1170	1300	1400	1730	1750	1420	1260
Selenium	mg/Kg	1 J	0.64 J	0.32 U	0.32 J	0.48 J	0.89 J	0.95	0.25 U	0.24 U	0.58 J
Silver	mg/Kg	0.16 UJ	0.14 UJ	0.13 UJ	0.1 U	0.12 U	0.15 U	0.12 U	0.1 U	0.1 U	0.11 U
Sodium	mg/Kg	36.4 U	126 J	165 J	30.3 J	34.7 J	34.9 U	27.9 U	61.8 J	89.5 J	47.1 J
Thallium	mg/Kg	0.37 U	0.33 U	0.31 U	0.19 U	0.2 U	0.2 U	0.3 U	0.22 U	0.2 U	0.18 U
Vanadium	mg/Kg	23.3	17.2	17.6	16.4	21.7	26.9	26.7	17.3	17.7	13.9
Zinc	mg/Kg	55.4	42.4	116	46.4	76.8	79.2	75.1	78.6	67.1	53.4
Cyanide	mg/Kg	0.64 U	0.59 U	0.46 U	0.58 U	0.56 U	0.6 U	0.73 U	0.53 U	0.51 U	0.64 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/Kg										
Total Petroleum Hydrocarbons	mg/Kg										
Total Solids	%W/W	68.5	83.3	90.2	84.8	88.3	82.6	65.7	92.2	91.2	76.3

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-70 4-6 02/21/94 SB70-3.03 212431 42510	SOIL SEAD-70 8-10 02/21/94 SB70-3.05 212432 42510
VOLATILE ORGANICS			
Chloromethane	ug/Kg	11 U	11 U
Bromomethane	ug/Kg	11 U	11 U
Vinyl Chloride	ug/Kg	11 U	11 U
Chloroethane	ug/Kg	11 U	11 U
Methylene Chloride	ug/Kg	11 U	11 U
Acetone	ug/Kg	11 U	11 U
Carbon Disulfide	ug/Kg	11 U	11 U
1,1-Dichloroethene	ug/Kg	11 U	11 U
1,1-Dichloroethane	ug/Kg	11 U	11 U
1,2-Dichloroethene (total)	ug/Kg	11 U	11 U
Chloroform	ug/Kg	11 U	11 U
1,2-Dichloroethane	ug/Kg	11 U	11 U
2-Butanone	ug/Kg	11 U	11 U
1,1,1-Trichloroethane	ug/Kg	11 U	11 U
Carbon Tetrachloride	ug/Kg	11 U	11 U
Bromodichloromethane	ug/Kg	11 U	11 U
1,2-Dichloropropane	ug/Kg	11 U	11 U
cis-1,3-Dichloropropene	ug/Kg	11 U	11 U
Trichloroethene	ug/Kg	11 U	11 U
Dibromochloromethane	ug/Kg	11 U	11 U
1,1,2-Trichloroethane	ug/Kg	11 U	11 U
Benzene	ug/Kg	11 U	11 U
trans-1,3-Dichloropropene	ug/Kg	11 U	11 U
Bromoform	ug/Kg	11 U	11 U
4-Methyl-2-Pentanone	ug/Kg	11 U	11 U
2-Hexanone	ug/Kg	11 U	11 U
Tetrachloroethene	ug/Kg	11 U	11 U
1,1,2,2-Tetrachloroethane	ug/Kg	11 U	11 U
Toluene	ug/Kg	11 U	11 U
Chlorobenzene	ug/Kg	11 U	11 U
Ethylbenzene	ug/Kg	11 U	11 U
Styrene	ug/Kg	11 U	11 U
Xylene (total)	ug/Kg	11 U	11 U
HERBICIDES			
2,4-D	ug/Kg		
2,4-DB	ug/Kg		
2,4,5-T	ug/Kg		
2,4,5-TP (Silvex)	ug/Kg		
Dalapon	ug/Kg		
Dicamba	ug/Kg		
Dichloroprop	ug/Kg		
Dinoseb	ug/Kg		
MCPA	ug/Kg		
MCPP	ug/Kg		
NITROAROMATICS			
HMX	ug/Kg		
RDX	ug/Kg		
1,3,5-Trinitrobenzene	ug/Kg		
1,3-Dinitrobenzene	ug/Kg		
Tetryl	ug/Kg		
2,4,6-Trinitrotoluene	ug/Kg		
4-amino-2,6-Dinitrotoluene	ug/Kg		
2-amino-4,6-Dinitrotoluene	ug/Kg		
2,6-Dinitrotoluene	ug/Kg		
2,4-Dinitrotoluene	ug/Kg		

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-70 4-6 02/21/94 SB70-3.03 212431 42510	SOIL SEAD-70 8-10 02/21/94 SB70-3.05 212432 42510
SEMIVOLATILE ORGANICS			
Phenol	ug/Kg	370 U	360 U
bis(2-Chloroethyl) ether	ug/Kg	370 U	360 U
2-Chlorophenol	ug/Kg	370 U	360 U
1,3-Dichlorobenzene	ug/Kg	370 U	360 U
1,4-Dichlorobenzene	ug/Kg	370 U	360 U
1,2-Dichlorobenzene	ug/Kg	370 U	360 U
2-Methylphenol	ug/Kg	370 U	360 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	370 U	360 U
4-Methylphenol	ug/Kg	370 U	360 U
N-Nitroso-di-n-propylamine	ug/Kg	370 U	360 U
Hexachloroethane	ug/Kg	370 U	360 U
Nitrobenzene	ug/Kg	370 U	360 U
Isophorone	ug/Kg	370 U	360 U
2-Nitrophenol	ug/Kg	370 U	360 U
2,4-Dimethylphenol	ug/Kg	370 U	360 U
bis(2-Chloroethoxy) methane	ug/Kg	370 U	360 U
2,4-Dichlorophenol	ug/Kg	370 U	360 U
1,2,4-Trichlorobenzene	ug/Kg	370 U	360 U
Naphthalene	ug/Kg	370 U	360 U
4-Chloroaniline	ug/Kg	370 U	360 U
Hexachlorobutadiene	ug/Kg	370 U	360 U
4-Chloro-3-methylphenol	ug/Kg	370 U	360 U
2-Methylnaphthalene	ug/Kg	370 U	360 U
Hexachlorocyclopentadiene	ug/Kg	370 U	360 U
2,4,6-Trichlorophenol	ug/Kg	370 U	360 U
2,4,5-Trichlorophenol	ug/Kg	890 U	880 U
2-Chloronaphthalene	ug/Kg	370 U	360 U
2-Nitroaniline	ug/Kg	890 U	880 U
Dimethylphthalate	ug/Kg	370 U	360 U
Acenaphthylene	ug/Kg	370 U	360 U
2,6-Dinitrotoluene	ug/Kg	370 U	360 U
3-Nitroaniline	ug/Kg	890 U	880 U
Acenaphthene	ug/Kg	370 U	360 U
2,4-Dinitrophenol	ug/Kg	890 U	880 U
4-Nitrophenol	ug/Kg	890 U	880 U
Dibenzofuran	ug/Kg	370 U	360 U
2,4-Dinitrotoluene	ug/Kg	370 U	360 U
Diethylphthalate	ug/Kg	370 U	360 U
4-Chlorophenyl-phenylether	ug/Kg	370 U	360 U
Fluorene	ug/Kg	370 U	360 U
4-Nitroaniline	ug/Kg	890 U	880 U
4,6-Dinitro-2-methylphenol	ug/Kg	890 U	880 U
N-Nitrosodiphenylamine	ug/Kg	370 U	360 U
4-Bromophenyl-phenylether	ug/Kg	370 U	360 U
Hexachlorobenzene	ug/Kg	370 U	360 U
Pentachlorophenol	ug/Kg	890 U	880 U
Phenanthrene	ug/Kg	370 U	360 U
Anthracene	ug/Kg	370 U	360 U
Carbazole	ug/Kg	370 U	360 U
Di-n-butylphthalate	ug/Kg	51 J	25 J
Fluoranthene	ug/Kg	370 U	360 U
Pyrene	ug/Kg	370 U	360 U
Butylbenzylphthalate	ug/Kg	370 U	360 U
3,3'-Dichlorobenzidine	ug/Kg	370 U	360 U
Benzo(a)anthracene	ug/Kg	370 U	360 U
Chrysene	ug/Kg	370 U	360 U
bis(2-Ethylhexyl)phthalate	ug/Kg	69 J	48 J
Di-n-octylphthalate	ug/Kg	370 U	360 U
Benzo(b)fluoranthene	ug/Kg	370 U	360 U
Benzo(k)fluoranthene	ug/Kg	370 U	360 U
Benzo(a)pyrene	ug/Kg	370 U	360 U
Indeno(1,2,3-cd)pyrene	ug/Kg	370 U	360 U
Dibenz(a,h)anthracene	ug/Kg	370 U	360 U
Benzo(g,h,i)perylene	ug/Kg	370 U	360 U

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION DEPTH (FEET) SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	SOIL SEAD-70 4-6 02/21/94 SB70-3.03 212431 42510	SOIL SEAD-70 8-10 02/21/94 SB70-3.05 212432 42510
PESTICIDES/PCB			
alpha-BHC	ug/Kg	1.9 U	1.9 U
beta-BHC	ug/Kg	1.9 U	1.9 U
delta-BHC	ug/Kg	1.9 U	1.9 U
gamma-BHC (Lindane)	ug/Kg	1.9 U	1.9 U
Heptachlor	ug/Kg	1.9 U	1.9 U
Aldrin	ug/Kg	1.9 U	1.9 U
Heptachlor epoxide	ug/Kg	1.9 U	1.9 U
Endosulfan I	ug/Kg	1.9 U	1.9 U
Dieldrin	ug/Kg	3.7 U	3.6 U
4,4'-DDE	ug/Kg	3.7 U	3.6 U
Endrin	ug/Kg	3.7 U	3.6 U
Endosulfan II	ug/Kg	3.7 U	3.6 U
4,4'-DDD	ug/Kg	3.7 U	3.6 U
Endosulfan sulfate	ug/Kg	3.7 U	3.6 U
4,4'-DDT	ug/Kg	3.7 U	3.6 U
Methoxychlor	ug/Kg	19 U	19 U
Endrin ketone	ug/Kg	3.7 U	3.6 U
Endrin aldehyde	ug/Kg	3.7 U	3.6 U
alpha-Chlordane	ug/Kg	1.9 U	1.9 U
gamma-Chlordane	ug/Kg	1.9 U	1.9 U
Toxaphene	ug/Kg	190 U	190 U
Aroclor-1016	ug/Kg	37 U	36 U
Aroclor-1221	ug/Kg	74 U	74 U
Aroclor-1232	ug/Kg	37 U	36 U
Aroclor-1242	ug/Kg	37 U	36 U
Aroclor-1248	ug/Kg	37 U	36 U
Aroclor-1254	ug/Kg	37 U	36 U
Aroclor-1260	ug/Kg	37 U	36 U
METALS			
Aluminum	mg/Kg	11000	11400
Antimony	mg/Kg	0.45 J	0.25 J
Arsenic	mg/Kg	4 J	3.9 J
Barium	mg/Kg	74.8	50.4
Beryllium	mg/Kg	0.53 J	0.55 J
Cadmium	mg/Kg	0.18 J	0.13 J
Calcium	mg/Kg	59100	37300
Chromium	mg/Kg	18	19.7
Cobalt	mg/Kg	10.5	12.1
Copper	mg/Kg	24.2	17.2
Iron	mg/Kg	22800	24800
Lead	mg/Kg	8.1 J	5.3 J
Magnesium	mg/Kg	11000	8170
Manganese	mg/Kg	441	414
Mercury	mg/Kg	0.02 J	0.02 UJ
Nickel	mg/Kg	30.4	30.8
Potassium	mg/Kg	1680	1260
Selenium	mg/Kg	0.31 U	0.49 J
Silver	mg/Kg	0.13 U	0.13 U
Sodium	mg/Kg	84.5 J	89.1 J
Thallium	mg/Kg	0.18 U	0.21 U
Vanadium	mg/Kg	16.6	18
Zinc	mg/Kg	67.8	73
Cyanide	mg/Kg	0.55 U	0.53 U
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/Kg		
Total Petroleum Hydrocarbons	mg/Kg		
Total Solids	%W/W	90.3	90.9

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-70 07/07/94 MW70-1 226309 45257	WATER SEAD-70 07/07/94 MW70-2 226310 45257	WATER SEAD-70 07/08/94 MW70-3 226389 45257	WATER SEAD-70 07/08/94 MW70-4 226390 45257
VOLATILE ORGANICS					
Chloromethane	ug/L	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	11	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U
HERBICIDES					
2,4-D	ug/L				
2,4-DB	ug/L				
2,4,5-T	ug/L				
2,4,5-TP (Silvex)	ug/L				
Dalapon	ug/L				
Dicamba	ug/L				
Dichloroprop	ug/L				
Dinoseb	ug/L				
MCPA	ug/L				
MCPP	ug/L				
NITROAROMATICS					
HMX	ug/L				
RDX	ug/L				
1,3,5-Trinitrobenzene	ug/L				
1,3-Dinitrobenzene	ug/L				
Tetryl	ug/L				
2,4,6-Trinitrotoluene	ug/L				
4-amino-2,6-Dinitrotoluene	ug/L				
2-amino-4,6-Dinitrotoluene	ug/L				
2,6-Dinitrotoluene	ug/L				
2,4-Dinitrotoluene	ug/L				

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-70	SEAD-70	SEAD-70	SEAD-70
	SAMPLE DATE	07/07/94	07/07/94	07/08/94	07/08/94
	ES ID	MW70-1	MW70-2	MW70-3	MW70-4
	LAB ID	226309	226310	226389	226390
	SDG NUMBER	45257	45257	45257	45257
COMPOUND	UNITS				
SEMIVOLATILE ORGANICS					
Phenol	ug/L	11 U	10 U	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U	11 U	10 U
2-Chlorophenol	ug/L	11 U	10 U	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U	11 U	10 U
2-Methylphenol	ug/L	11 U	10 U	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U	11 U	10 U
4-Methylphenol	ug/L	11 U	10 U	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U	11 U	10 U
Hexachloroethane	ug/L	11 U	10 U	11 U	10 U
Nitrobenzene	ug/L	11 U	10 U	11 U	10 U
Isophorone	ug/L	11 U	10 U	11 U	10 U
2-Nitrophenol	ug/L	11 U	10 U	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U	11 U	10 U
Naphthalene	ug/L	11 U	10 U	11 U	10 U
4-Chloroaniline	ug/L	11 U	10 U	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U	11 U	10 U
2,4,5-Trichlorophenol	ug/L	28 U	25 U	28 U	25 U
2-Chloronaphthalene	ug/L	11 U	10 U	11 U	10 U
2-Nitroaniline	ug/L	28 U	25 U	28 U	25 U
Dimethylphthalate	ug/L	11 U	10 U	11 U	10 U
Acenaphthylene	ug/L	11 U	10 U	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U	11 U	10 U
3-Nitroaniline	ug/L	28 U	25 U	28 U	25 U
Acenaphthene	ug/L	11 U	10 U	11 U	10 U
2,4-Dinitrophenol	ug/L	28 U	25 U	28 U	25 U
4-Nitrophenol	ug/L	28 U	25 U	28 U	25 U
Dibenzofuran	ug/L	11 U	10 U	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U	11 U	10 U
Diethylphthalate	ug/L	11 U	10 U	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U	11 U	10 U
Fluorene	ug/L	11 U	10 U	11 U	10 U
4-Nitroaniline	ug/L	28 U	25 U	28 U	25 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	25 U	28 U	25 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U	11 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U	11 U	10 U
Pentachlorophenol	ug/L	28 U	25 U	28 U	25 U
Phenanthrene	ug/L	11 U	10 U	11 U	10 U
Anthracene	ug/L	11 U	10 U	11 U	10 U
Carbazole	ug/L	11 U	10 U	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U	11 U	10 U
Fluoranthene	ug/L	11 U	10 U	11 U	10 U
Pyrene	ug/L	11 U	10 U	11 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U	11 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U	11 U	10 U
Chrysene	ug/L	11 U	10 U	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	16 U	10 U	11 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U	11 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U	11 U	10 U

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER
	LOCATION	SEAD-70	SEAD-70	SEAD-70	SEAD-70
	SAMPLE DATE	07/07/94	07/07/94	07/08/94	07/08/94
	ES ID	MW70-1	MW70-2	MW70-3	MW70-4
	LAB ID	226309	226310	226389	226390
	SDG NUMBER	45257	45257	45257	45257
	UNITS				
PESTICIDES/PCB					
alpha-BHC	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
beta-BHC	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
delta-BHC	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
gamma-BHC (Lindane)	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Heptachlor	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Aldrin	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Heptachlor epoxide	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Endosulfan I	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Dieldrin	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
4,4'-DDE	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
Endrin	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
Endosulfan II	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
4,4'-DDD	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
4,4'-DDT	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
Methoxychlor	ug/L	0.51 U	0.54 U	0.52 UJ	0.54 U
Endrin ketone	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.11 U	0.1 UJ	0.11 U
alpha-Chlordane	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
gamma-Chlordane	ug/L	0.051 U	0.054 U	0.052 UJ	0.054 U
Toxaphene	ug/L	5.1 U	5.4 U	5.2 UJ	5.4 U
Aroclor-1016	ug/L	1 U	1.1 U	1 UJ	1.1 U
Aroclor-1221	ug/L	2 U	2.1 U	2.1 UJ	2.2 U
Aroclor-1232	ug/L	1 U	1.1 U	1 UJ	1.1 U
Aroclor-1242	ug/L	1 U	1.1 U	1 UJ	1.1 U
Aroclor-1248	ug/L	1 U	1.1 U	1 UJ	1.1 U
Aroclor-1254	ug/L	1 U	1.1 U	1 UJ	1.1 U
Aroclor-1260	ug/L	1 U	1.1 U	1 UJ	1.1 U
METALS					
Aluminum	ug/L	58.2 J	1260	229	32.1 J
Antimony	ug/L	1.3 U	1.3 U	1.3 U	1.3 U
Arsenic	ug/L	2 U	2 U	2 U	2 U
Barium	ug/L	86.5 J	165 J	130 J	152 J
Beryllium	ug/L	0.1 U	0.1 U	0.1 U	0.1 U
Cadmium	ug/L	0.2 U	0.2 U	0.2 U	0.2 U
Calcium	ug/L	119000	213000	180000	171000
Chromium	ug/L	0.4 U	2.9 J	0.4 U	0.4 U
Cobalt	ug/L	0.5 U	1.7 J	0.79 J	1.8 J
Copper	ug/L	0.5 U	4.1 J	0.5 U	0.5 U
Iron	ug/L	213	2140	284	78.7 J
Lead	ug/L	0.9 U	0.9 U	0.9 U	0.89 U
Magnesium	ug/L	28100	51400	40800	41000
Manganese	ug/L	107	192	60.2	519
Mercury	ug/L	0.06 J	0.07 J	0.09 J	0.04 J
Nickel	ug/L	1.5 J	4.5 J	0.82 J	1.8 J
Potassium	ug/L	1540 J	2330 J	1250 J	6380
Selenium	ug/L	2.7 U	2.7 U	2.7 U	2.7 U
Silver	ug/L	0.5 U	0.5 U	0.5 U	0.5 U
Sodium	ug/L	5220	13700	8700	17800
Thallium	ug/L	1.9 U	1.9 U	2 J	1.9 U
Vanadium	ug/L	0.5 U	2.8 J	0.73 J	0.6 J
Zinc	ug/L	3.5 J	16.5 J	5.8 J	4.2 J
Cyanide	ug/L	5 U	5 U	5 U	5 U
OTHER ANALYSES					
Nitrate/Nitrite-Nitrogen	mg/L				
Total Petroleum Hydrocarbons	mg/L				
pH	Standard Units	8.2	7.1	8.2	8.1
Conductivity	umhos/cm	590	1010	850	875
Temperature	°C	13.8	15.8	15.3	16
Turbidity	NTU	26.7	329	54.8	2.8

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-70 04/27/94 SW70-1 219466 43810	WATER SEAD-70 04/27/94 SW70-2 219467 43810
VOLATILE ORGANICS			
Chloromethane	ug/L	10 U	10 U
Bromomethane	ug/L	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U
Chloroethane	ug/L	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U
Acetone	ug/L	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U
Chloroform	ug/L	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U
2-Butanone	ug/L	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U
Trichloroethene	ug/L	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U
Benzene	ug/L	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U
Bromoform	ug/L	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U
2-Hexanone	ug/L	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U
Toluene	ug/L	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U
Styrene	ug/L	10 U	10 U
Xylene (total)	ug/L	10 U	10 U
HERBICIDES			
2,4-D	ug/L		
2,4-DB	ug/L		
2,4,5-T	ug/L		
2,4,5-TP (Silvex)	ug/L		
Dalapon	ug/L		
Dicamba	ug/L		
Dichloroprop	ug/L		
Dinoseb	ug/L		
MCPA	ug/L		
MCPP	ug/L		
NITROAROMATICS			
HMX	ug/L		
RDX	ug/L		
1,3,5-Trinitrobenzene	ug/L		
1,3-Dinitrobenzene	ug/L		
Tetryl	ug/L		
2,4,6-Trinitrotoluene	ug/L		
4-amino-2,6-Dinitrotoluene	ug/L		
2-amino-4,6-Dinitrotoluene	ug/L		
2,6-Dinitrotoluene	ug/L		
2,4-Dinitrotoluene	ug/L		

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-70 04/27/94 SW70-1 219466 43810	WATER SEAD-70 04/27/94 SW70-2 219467 43810
SEMIVOLATILE ORGANICS			
Phenol	ug/L	11 U	10 U
bis(2-Chloroethyl) ether	ug/L	11 U	10 U
2-Chlorophenol	ug/L	11 U	10 U
1,3-Dichlorobenzene	ug/L	11 U	10 U
1,4-Dichlorobenzene	ug/L	11 U	10 U
1,2-Dichlorobenzene	ug/L	11 U	10 U
2-Methylphenol	ug/L	11 U	10 U
2,2'-oxybis(1-Chloropropane)	ug/L	11 U	10 U
4-Methylphenol	ug/L	11 U	10 U
N-Nitroso-di-n-propylamine	ug/L	11 U	10 U
Hexachloroethane	ug/L	11 U	10 U
Nitrobenzene	ug/L	11 U	10 U
Isophorone	ug/L	11 U	10 U
2-Nitrophenol	ug/L	11 U	10 U
2,4-Dimethylphenol	ug/L	11 U	10 U
bis(2-Chloroethoxy) methane	ug/L	11 U	10 U
2,4-Dichlorophenol	ug/L	11 U	10 U
1,2,4-Trichlorobenzene	ug/L	11 U	10 U
Naphthalene	ug/L	11 U	10 U
4-Chloroaniline	ug/L	11 U	10 U
Hexachlorobutadiene	ug/L	11 U	10 U
4-Chloro-3-methylphenol	ug/L	11 U	10 U
2-Methylnaphthalene	ug/L	11 U	10 U
Hexachlorocyclopentadiene	ug/L	11 U	10 U
2,4,6-Trichlorophenol	ug/L	11 U	10 U
2,4,5-Trichlorophenol	ug/L	28 U	26 U
2-Chloronaphthalene	ug/L	11 U	10 U
2-Nitroaniline	ug/L	28 U	26 U
Dimethylphthalate	ug/L	11 U	10 U
Acenaphthylene	ug/L	11 U	10 U
2,6-Dinitrotoluene	ug/L	11 U	10 U
3-Nitroaniline	ug/L	28 U	26 U
Acenaphthene	ug/L	11 U	10 U
2,4-Dinitrophenol	ug/L	28 U	26 U
4-Nitrophenol	ug/L	28 U	26 U
Dibenzofuran	ug/L	11 U	10 U
2,4-Dinitrotoluene	ug/L	11 U	10 U
Diethylphthalate	ug/L	11 U	10 U
4-Chlorophenyl-phenylether	ug/L	11 U	10 U
Fluorene	ug/L	11 U	10 U
4-Nitroaniline	ug/L	28 U	26 U
4,6-Dinitro-2-methylphenol	ug/L	28 U	26 U
N-Nitrosodiphenylamine	ug/L	11 U	10 U
4-Bromophenyl-phenylether	ug/L	11 U	10 U
Hexachlorobenzene	ug/L	11 U	10 U
Pentachlorophenol	ug/L	28 U	26 U
Phenanthrene	ug/L	11 U	10 U
Anthracene	ug/L	11 U	10 U
Carbazole	ug/L	11 U	10 U
Di-n-butylphthalate	ug/L	11 U	10 U
Fluoranthene	ug/L	11 U	10 U
Pyrene	ug/L	11 U	10 U
Butylbenzylphthalate	ug/L	11 U	10 U
3,3'-Dichlorobenzidine	ug/L	11 U	10 U
Benzo(a)anthracene	ug/L	11 U	10 U
Chrysene	ug/L	11 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	11 U	10 U
Di-n-octylphthalate	ug/L	11 U	10 U
Benzo(b)fluoranthene	ug/L	11 U	10 U
Benzo(k)fluoranthene	ug/L	11 U	10 U
Benzo(a)pyrene	ug/L	11 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	11 U	10 U
Dibenz(a,h)anthracene	ug/L	11 U	10 U
Benzo(g,h,i)perylene	ug/L	11 U	10 U

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SURFACE WATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-70 04/27/94 SW70-1 219466 43810	WATER SEAD-70 04/27/94 SW70-2 219467 43810
PESTICIDES/PCB			
alpha-BHC	ug/L	0.056 U	0.051 U
beta-BHC	ug/L	0.056 U	0.051 U
delta-BHC	ug/L	0.056 U	0.051 U
gamma-BHC (Lindane)	ug/L	0.056 U	0.051 U
Heptachlor	ug/L	0.056 U	0.051 U
Aldrin	ug/L	0.056 U	0.051 U
Heptachlor epoxide	ug/L	0.056 U	0.051 U
Endosulfan I	ug/L	0.056 U	0.051 U
Dieldrin	ug/L	0.11 U	0.1 U
4,4'-DDE	ug/L	0.11 U	0.1 U
Endrin	ug/L	0.11 U	0.1 U
Endosulfan II	ug/L	0.11 U	0.1 U
4,4'-DDD	ug/L	0.11 U	0.1 U
Endosulfan sulfate	ug/L	0.11 U	0.1 U
4,4'-DDT	ug/L	0.11 U	0.1 U
Methoxychlor	ug/L	0.56 U	0.51 U
Endrin ketone	ug/L	0.11 U	0.1 U
Endrin aldehyde	ug/L	0.11 U	0.1 U
alpha-Chlordane	ug/L	0.056 U	0.051 U
gamma-Chlordane	ug/L	0.056 U	0.051 U
Toxaphene	ug/L	5.6 U	5.1 U
Aroclor-1016	ug/L	1.1 U	1 U
Aroclor-1221	ug/L	2.2 U	2 U
Aroclor-1232	ug/L	1.1 U	1 U
Aroclor-1242	ug/L	1.1 U	1 U
Aroclor-1248	ug/L	1.1 U	1 U
Aroclor-1254	ug/L	1.1 U	1 U
Aroclor-1260	ug/L	1.1 U	1 U
METALS			
Aluminum	ug/L	137 J	273
Antimony	ug/L	0.99 U	0.99 U
Arsenic	ug/L	4.4 J	4.6 J
Barium	ug/L	52.3 J	33.3 J
Beryllium	ug/L	0.06 U	0.06 U
Cadmium	ug/L	0.1 U	0.1 U
Calcium	ug/L	63500	50000
Chromium	ug/L	0.4 U	0.46 J
Cobalt	ug/L	3 J	1.3 J
Copper	ug/L	1.5 J	2.4 J
Iron	ug/L	3160	2720
Lead	ug/L	0.79 U	0.92 J
Magnesium	ug/L	12400	9140
Manganese	ug/L	2300	462
Mercury	ug/L	0.04 J	0.03 U
Nickel	ug/L	1.4 J	1.9 J
Potassium	ug/L	3010 J	3280 J
Selenium	ug/L	1.7 U	1.7 U
Silver	ug/L	0.69 U	0.7 U
Sodium	ug/L	7540	5140
Thallium	ug/L	1.6 U	2.1 J
Vanadium	ug/L	0.92 J	1.5 J
Zinc	ug/L	3 J	7.7 J
Cyanide	ug/L	5 U	5 U
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/L		
Total Petroleum Hydrocarbons	mg/L		
pH	Standard Units	6.7	7.9
Conductivity	umhos/cm	370	277
Temperature	°C	17.4	16.6
Turbidity	NTU	3.4	4.2

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

	MATRIX	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	0-0.2
	SAMPLE DATE	04/27/94	04/27/94
	ES ID	SD70-1	SD70-2
	LAB ID	219452	219453
	SDG NUMBER	43663	43663
COMPOUND	UNITS		
VOLATILE ORGANICS			
Chloromethane	ug/Kg	21 UJ	18 U
Bromomethane	ug/Kg	21 UJ	18 U
Vinyl Chloride	ug/Kg	21 UJ	18 U
Chloroethane	ug/Kg	21 UJ	18 U
Methylene Chloride	ug/Kg	21 UJ	18 U
Acetone	ug/Kg	21 UJ	18 U
Carbon Disulfide	ug/Kg	21 UJ	18 U
1,1-Dichloroethene	ug/Kg	21 UJ	18 U
1,1-Dichloroethane	ug/Kg	21 UJ	18 U
1,2-Dichloroethene (total)	ug/Kg	21 UJ	18 U
Chloroform	ug/Kg	21 UJ	18 U
1,2-Dichloroethane	ug/Kg	21 UJ	18 U
2-Butanone	ug/Kg	21 UJ	18 U
1,1,1-Trichloroethane	ug/Kg	21 UJ	18 U
Carbon Tetrachloride	ug/Kg	21 UJ	18 U
Bromodichloromethane	ug/Kg	21 UJ	18 U
1,2-Dichloropropane	ug/Kg	21 UJ	18 U
cis-1,3-Dichloropropene	ug/Kg	21 UJ	18 U
Trichloroethene	ug/Kg	21 UJ	18 U
Dibromochloromethane	ug/Kg	21 UJ	18 U
1,1,2-Trichloroethane	ug/Kg	21 UJ	18 U
Benzene	ug/Kg	21 UJ	18 U
trans-1,3-Dichloropropene	ug/Kg	21 UJ	18 U
Bromoform	ug/Kg	21 UJ	18 U
4-Methyl-2-Pentanone	ug/Kg	21 UJ	18 U
2-Hexanone	ug/Kg	21 UJ	18 U
Tetrachloroethene	ug/Kg	21 UJ	18 U
1,1,2,2-Tetrachloroethane	ug/Kg	21 UJ	18 U
Toluene	ug/Kg	21 UJ	18 U
Chlorobenzene	ug/Kg	21 UJ	18 U
Ethylbenzene	ug/Kg	21 UJ	18 U
Styrene	ug/Kg	21 UJ	18 U
Xylene (total)	ug/Kg	21 UJ	18 U
HERBICIDES			
2,4-D	ug/Kg		
2,4-DB	ug/Kg		
2,4,5-T	ug/Kg		
2,4,5-TP (Silvex)	ug/Kg		
Dalapon	ug/Kg		
Dicamba	ug/Kg		
Dichloroprop	ug/Kg		
Dinoseb	ug/Kg		
MCPA	ug/Kg		
MCPP	ug/Kg		
NITROAROMATICS			
HMX	ug/Kg		
RDX	ug/Kg		
1,3,5-Trinitrobenzene	ug/Kg		
1,3-Dinitrobenzene	ug/Kg		
Tetryl	ug/Kg		
2,4,6-Trinitrotoluene	ug/Kg		
4-amino-2,6-Dinitrotoluene	ug/Kg		
2-amino-4,6-Dinitrotoluene	ug/Kg		
2,6-Dinitrotoluene	ug/Kg		
2,4-Dinitrotoluene	ug/Kg		

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

	MATRIX	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	0-0.2
	SAMPLE DATE	04/27/94	04/27/94
	ES ID	SD70-1	SD70-2
	LAB ID	219452	219453
	SDG NUMBER	43663	43663
COMPOUND	UNITS		
SEMIVOLATILE ORGANICS			
Phenol	ug/Kg	690 UJ	620 U
bis(2-Chloroethyl) ether	ug/Kg	690 UJ	620 U
2-Chlorophenol	ug/Kg	690 UJ	620 U
1,3-Dichlorobenzene	ug/Kg	690 UJ	620 U
1,4-Dichlorobenzene	ug/Kg	690 UJ	620 U
1,2-Dichlorobenzene	ug/Kg	690 UJ	620 U
2-Methylphenol	ug/Kg	690 UJ	620 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	690 UJ	620 U
4-Methylphenol	ug/Kg	690 UJ	620 U
N-Nitroso-di-n-propylamine	ug/Kg	690 UJ	620 U
Hexachloroethane	ug/Kg	690 UJ	620 U
Nitrobenzene	ug/Kg	690 UJ	620 U
Isophorone	ug/Kg	690 UJ	620 U
2-Nitrophenol	ug/Kg	690 UJ	620 U
2,4-Dimethylphenol	ug/Kg	690 UJ	620 U
bis(2-Chloroethoxy) methane	ug/Kg	690 UJ	620 U
2,4-Dichlorophenol	ug/Kg	690 UJ	620 U
1,2,4-Trichlorobenzene	ug/Kg	690 UJ	620 U
Naphthalene	ug/Kg	690 UJ	620 U
4-Chloroaniline	ug/Kg	690 UJ	620 U
Hexachlorobutadiene	ug/Kg	690 UJ	620 U
4-Chloro-3-methylphenol	ug/Kg	690 UJ	620 U
2-Methylnaphthalene	ug/Kg	690 UJ	620 U
Hexachlorocyclopentadiene	ug/Kg	690 UJ	620 U
2,4,6-Trichlorophenol	ug/Kg	690 UJ	620 U
2,4,5-Trichlorophenol	ug/Kg	1700 UJ	1500 U
2-Chloronaphthalene	ug/Kg	690 UJ	620 U
2-Nitroaniline	ug/Kg	1700 UJ	1500 U
Dimethylphthalate	ug/Kg	690 UJ	620 U
Acenaphthylene	ug/Kg	690 UJ	620 U
2,6-Dinitrotoluene	ug/Kg	690 UJ	620 U
3-Nitroaniline	ug/Kg	1700 UJ	1500 U
Acenaphthene	ug/Kg	690 UJ	620 U
2,4-Dinitrophenol	ug/Kg	1700 UJ	1500 U
4-Nitrophenol	ug/Kg	1700 UJ	1500 U
Dibenzofuran	ug/Kg	690 UJ	620 U
2,4-Dinitrotoluene	ug/Kg	690 UJ	620 U
Diethylphthalate	ug/Kg	690 UJ	620 U
4-Chlorophenyl-phenylether	ug/Kg	690 UJ	620 U
Fluorene	ug/Kg	690 UJ	620 U
4-Nitroaniline	ug/Kg	1700 UJ	1500 U
4,6-Dinitro-2-methylphenol	ug/Kg	1700 UJ	1500 U
N-Nitrosodiphenylamine	ug/Kg	690 UJ	620 U
4-Bromophenyl-phenylether	ug/Kg	690 UJ	620 U
Hexachlorobenzene	ug/Kg	690 UJ	620 U
Pentachlorophenol	ug/Kg	1700 UJ	1500 U
Phenanthrene	ug/Kg	690 UJ	40 J
Anthracene	ug/Kg	690 UJ	620 U
Carbazole	ug/Kg	690 UJ	620 U
Di-n-butylphthalate	ug/Kg	690 UJ	620 U
Fluoranthene	ug/Kg	690 UJ	79 J
Pyrene	ug/Kg	690 UJ	77 J
Butylbenzylphthalate	ug/Kg	690 UJ	620 U
3,3'-Dichlorobenzidine	ug/Kg	690 UJ	620 U
Benzo(a)anthracene	ug/Kg	690 UJ	33 J
Chrysene	ug/Kg	690 UJ	45 J
bis(2-Ethylhexyl)phthalate	ug/Kg	690 UJ	620 U
Di-n-octylphthalate	ug/Kg	690 UJ	620 U
Benzo(b)fluoranthene	ug/Kg	690 UJ	620 U
Benzo(k)fluoranthene	ug/Kg	690 UJ	620 U
Benzo(a)pyrene	ug/Kg	690 UJ	620 U
Indeno(1,2,3-cd)pyrene	ug/Kg	690 UJ	620 U
Dibenz(a,h)anthracene	ug/Kg	690 UJ	620 U
Benzo(g,h,i)perylene	ug/Kg	690 UJ	620 U

SENECA ARMY DEPOT
SEAD-70 ENVIRONMENTAL SITE INSPECTION
SEDIMENT ANALYSIS RESULTS

	MATRIX	SOIL	SOIL
	LOCATION	SEAD-70	SEAD-70
	DEPTH (FEET)	0-0.2	0-0.2
	SAMPLE DATE	04/27/94	04/27/94
	ES ID	SD70-1	SD70-2
	LAB ID	219452	219453
	SDG NUMBER	43663	43663
COMPOUND	UNITS		
PESTICIDES/PCB			
alpha-BHC	ug/Kg	3.5 UJ	3.2 U
beta-BHC	ug/Kg	3.5 UJ	3.2 U
delta-BHC	ug/Kg	3.5 UJ	3.2 U
gamma-BHC (Lindane)	ug/Kg	3.5 UJ	3.2 U
Heptachlor	ug/Kg	3.5 UJ	3.2 U
Aldrin	ug/Kg	3.5 UJ	3.2 U
Heptachlor epoxide	ug/Kg	3.5 UJ	3.2 U
Endosulfan I	ug/Kg	3.5 UJ	3.2 U
Dieldrin	ug/Kg	6.9 UJ	6.2 U
4,4'-DDE	ug/Kg	6.9 UJ	6.2 U
Endrin	ug/Kg	6.9 UJ	6.2 U
Endosulfan II	ug/Kg	6.9 UJ	6.2 U
4,4'-DDD	ug/Kg	6.9 UJ	6.2 U
Endosulfan sulfate	ug/Kg	6.9 UJ	6.2 U
4,4'-DDT	ug/Kg	6.9 UJ	6.2 U
Methoxychlor	ug/Kg	35 UJ	32 U
Endrin ketone	ug/Kg	6.9 UJ	6.2 U
Endrin aldehyde	ug/Kg	6.9 UJ	6.2 U
alpha-Chlordane	ug/Kg	3.5 UJ	3.2 U
gamma-Chlordane	ug/Kg	3.5 UJ	3.2 U
Toxaphene	ug/Kg	350 UJ	320 U
Aroclor-1016	ug/Kg	69 UJ	62 U
Aroclor-1221	ug/Kg	140 UJ	130 U
Aroclor-1232	ug/Kg	69 UJ	62 U
Aroclor-1242	ug/Kg	69 UJ	62 U
Aroclor-1248	ug/Kg	69 UJ	62 U
Aroclor-1254	ug/Kg	69 UJ	62 U
Aroclor-1260	ug/Kg	69 UJ	62 U
METALS			
Aluminum	mg/Kg	13300 J	10400
Antimony	mg/Kg	0.27 UJ	0.35 UJ
Arsenic	mg/Kg	3.4 J	3.4 J
Barium	mg/Kg	126 J	73.7
Beryllium	mg/Kg	0.59 J	0.51 J
Cadmium	mg/Kg	0.34 J	0.4 J
Calcium	mg/Kg	4500 J	21400
Chromium	mg/Kg	16.3 J	15.5
Cobalt	mg/Kg	5.8 J	7.2 J
Copper	mg/Kg	14.3 J	21.9
Iron	mg/Kg	17900 J	16900
Lead	mg/Kg	16.9 J	20.6
Magnesium	mg/Kg	2900 J	5300
Manganese	mg/Kg	512 J	212 J
Mercury	mg/Kg	0.07 J R	0.04 J R
Nickel	mg/Kg	15 J	23.3
Potassium	mg/Kg	1690 J	1500 J
Selenium	mg/Kg	0.75 J	0.59 U
Silver	mg/Kg	0.19 UJ	0.24 U
Sodium	mg/Kg	43 UJ	55.1 U
Thallium	mg/Kg	0.43 UJ	0.8 J
Vanadium	mg/Kg	21.7 J	19.4
Zinc	mg/Kg	60.1 J	105
Cyanide	mg/Kg	1 UJ	0.64 U
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/Kg		
Total Petroleum Hydrocarbons	mg/Kg		
Total Solids	%W/W	47.6	52.8

SEAD-71

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX / LOCATION / DEPTH (FEET) / SAMPLE DATE / ES ID / LAB ID / SDG NUMBER / UNITS	SOIL SEAD-71 3 06/07/94 TP71-1-1 223344 44665	SOIL SEAD-71 3 06/07/94 TP71-1-2 223345 44665	SOIL SEAD-71 3 06/07/94 TP71-1-3 223346 44665	SOIL SEAD-71 4 06/07/94 TP71-1-4 223347 44665	SOIL SEAD-71 1 06/07/94 TP71-2-1 223348 44665	SOIL SEAD-71 2 06/07/94 TP71-2-2 223349 44665	SOIL SEAD-71 2-3.3 06/07/94 TP71-2-3 223350 44665	SOIL SEAD-71 2 06/07/94 TP71-2-4 223351 44665
VOLATILE ORGANICS									
Chloromethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Bromomethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Vinyl Chloride	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Chloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Methylene Chloride	ug/Kg	2 J	2 J	2 J	2 J	2 J	2 J	3 J	11 J
Acetone	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Carbon Disulfide	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,1-Dichloroethene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,1-Dichloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,2-Dichloroethene (total)	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Chloroform	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,2-Dichloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
2-Butanone	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,1,1-Trichloroethane	ug/Kg	4 J	7 J	10 J	23	11 U	11 U	3 J	12 U
Carbon Tetrachloride	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Bromodichloromethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,2-Dichloropropane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
cis-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Trichloroethene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Dibromochloromethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
1,1,2-Trichloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Benzene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
trans-1,3-Dichloropropene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Bromoform	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
4-Methyl-2-Pentanone	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
2-Hexanone	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Tetrachloroethene	ug/Kg	1 J	1 J	3 J	12 U	11 U	11 U	12 U	12 U
1,1,2,2-Tetrachloroethane	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Toluene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Chlorobenzene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Ethylbenzene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Styrene	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
Xylene (total)	ug/Kg	12 U	12 U	11 U	12 U	11 U	11 U	12 U	12 U
HERBICIDES									
2,4-D	ug/Kg								
2,4-DB	ug/Kg								
2,4,5-T	ug/Kg								
2,4,5-TP (Silvex)	ug/Kg								
Dalapon	ug/Kg								
Dicamba	ug/Kg								
Dichloroprop	ug/Kg								
Dinoseb	ug/Kg								
MCPA	ug/Kg								
MCPP	ug/Kg								
NITROAROMATICS									
HMX	ug/Kg								
RDX	ug/Kg								
1,3,5-Trinitrobenzene	ug/Kg								
1,3-Dinitrobenzene	ug/Kg								
Tetryl	ug/Kg								
2,4,6-Trinitrotoluene	ug/Kg								
4-amino-2,6-Dinitrotoluene	ug/Kg								
2-amino-4,6-Dinitrotoluene	ug/Kg								
2,6-Dinitrotoluene	ug/Kg								
2,4-Dinitrotoluene	ug/Kg								

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX / LOCATION / DEPTH (FEET) / SAMPLE DATE / ES ID / LAB ID / SDG NUMBER / UNITS	SOIL / SEAD-71 / 3 / 06/07/94 / TP71-1-1 / 223344 / 44665	SOIL / SEAD-71 / 3 / 06/07/94 / TP71-1-2 / 223345 / 44665	SOIL / SEAD-71 / 3 / 06/07/94 / TP71-1-3 / 223346 / 44665	SOIL / SEAD-71 / 4 / 06/07/94 / TP71-1-4 / 223347 / 44665	SOIL / SEAD-71 / 1 / 06/07/94 / TP71-2-1 / 223348 / 44665	SOIL / SEAD-71 / 2 / 06/07/94 / TP71-2-2 / 223349 / 44665	SOIL / SEAD-71 / 2-3.3 / 06/07/94 / TP71-2-3 / 223350 / 44665	SOIL / SEAD-71 / 2 / 06/07/94 / TP71-2-4 / 223351 / 44665
SEMIVOLATILE ORGANICS									
Phenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
bis(2-Chloroethyl) ether	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Chlorophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,3-Dichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,4-Dichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,2-Dichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Methylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,2'-oxybis(1-Chloropropane)	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Methylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
N-Nitroso-di-n-propylamine	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachloroethane	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Nitrobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Isophorone	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Nitrophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4-Dimethylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
bis(2-Chloroethoxy) methane	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4-Dichlorophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
1,2,4-Trichlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Naphthalene	ug/Kg	19000 U	77 J	370 U	29 J	1500 U	380 U	420 U	380 U
4-Chloroaniline	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachlorobutadiene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Chloro-3-methylphenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Methylnaphthalene	ug/Kg	19000 U	29 J	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachlorocyclopentadiene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4,6-Trichlorophenol	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,4,5-Trichlorophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
2-Chloronaphthalene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2-Nitroaniline	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Dimethylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Acenaphthylene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
2,6-Dinitrotoluene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
3-Nitroaniline	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Acenaphthene	ug/Kg	5800 J	280 J	76 J	38 J	1500 U	380 U	420 U	380 U
2,4-Dinitrophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
4-Nitrophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Dibenzofuran	ug/Kg	19000 U	120 J	370 U	390 U	1500 U	380 U	420 U	380 U
2,4-Dinitrotoluene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Diethylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Chlorophenyl-phenylether	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Fluorene	ug/Kg	2800 J	230 J	56 J	390 U	1500 U	380 U	420 U	380 U
4-Nitroaniline	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
4,6-Dinitro-2-methylphenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
N-Nitrosodiphenylamine	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
4-Bromophenyl-phenylether	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Hexachlorobenzene	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Pentachlorophenol	ug/Kg	45000 U	1200 U	900 U	940 U	3600 U	930 U	1000 U	930 U
Phenanthrene	ug/Kg	66000	1900	770	260 J	270 J	180 J	30 J	80 J
Anthracene	ug/Kg	11000 J	560	120 J	59 J	1500 U	380 U	420 U	380 U
Carbazole	ug/Kg	9500 J	360 J	100 J	30 J	1500 U	380 U	420 U	380 U
Di-n-butylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Fluoranthene	ug/Kg	88000	2600	1400	330 J	690 J	580	63 J	240 J
Pyrene	ug/Kg	63000	1600	2000	390	1000 J	660	73 J	260 J
Butylbenzylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
3,3'-Dichlorobenzidine	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Benzo(a)anthracene	ug/Kg	37000	1200	660	180 J	370 J	250 J	420 U	120 J
Chrysene	ug/Kg	36000	1000	750	220 J	610 J	380 J	420 U	130 J
bis(2-Ethylhexyl)phthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Di-n-octylphthalate	ug/Kg	19000 U	500 U	370 U	390 U	1500 U	380 U	420 U	380 U
Benzo(b)fluoranthene	ug/Kg	26000	930	710	130 J	750 J	400	420 U	110 J
Benzo(k)fluoranthene	ug/Kg	15000 J	570	490	140 J	490 J	240 J	420 U	77 J
Benzo(a)pyrene	ug/Kg	22000	750	630	180 J	490 J	290 J	420 U	94 J
Indeno(1,2,3-cd)pyrene	ug/Kg	12000 J	390 J	520	88 J	430 J	220 J	420 U	52 J
Dibenz(a,h)anthracene	ug/Kg	9800 J	190 J	320 J	38 J	170 J	130 J	420 U	380 U
Benzo(g,h,i)perylene	ug/Kg	10000 J	500	500	82 J	370 J	150 J	420 U	36 J

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
SOIL ANALYSIS RESULTS

COMPOUND	MATRIX	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	LOCATION	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71	SEAD-71
	DEPTH (FEET)	3	3	3	4	1	2	2-3.3	2
	SAMPLE DATE	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94	06/07/94
	ES ID	TP71-1-1	TP71-1-2	TP71-1-3	TP71-1-4	TP71-2-1	TP71-2-2	TP71-2-3	TP71-2-4
	LAB ID	223344	223345	223346	223347	223348	223349	223350	223351
	SDG NUMBER	44665	44665	44665	44665	44665	44665	44665	44665
	UNITS								
PESTICIDES/PCB									
alpha-BHC	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
beta-BHC	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
delta-BHC	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
gamma-BHC (Lindane)	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Heptachlor	ug/Kg	19 U	1.2 J	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Aldrin	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Heptachlor epoxide	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Endosulfan I	ug/Kg	200 J	3.5	6.6 J	2.6 J	5.1 J	6.9 J	2.2 U	3.4 J
Dieldrin	ug/Kg	37 U	3.5 J	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
4,4'-DDE	ug/Kg	37 U	3.7 U	3.1 J	4.2 J	3.7 U	3.8 U	4.2 U	3.8 U
Endrin	ug/Kg	29 J	3.7 U	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
Endosulfan II	ug/Kg	26 J	2.5 J	3.7 U	3.9 U	2 J	3.8 U	4.2 U	3.8 U
4,4'-DDD	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	3.4 J	3.8 U	4.2 U	3.8 U
Endosulfan sulfate	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	2.2 J	3.8 U	4.2 U	3.8 U
4,4'-DDT	ug/Kg	37 U	3.7 U	8.4	13	2.7 J	3.6 U	4.2 U	3.8 U
Methoxychlor	ug/Kg	190 U	19 U	19 U	20 U	19 U	20 U	22 U	20 U
Endrin ketone	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
Endrin aldehyde	ug/Kg	37 U	3.7 U	3.7 U	3.9 U	3.7 U	3.8 U	4.2 U	3.8 U
alpha-Chlordane	ug/Kg	74 J	1.9 U	1.9 U	2 U	2 J	2 U	2.2 U	2 U
gamma-Chlordane	ug/Kg	19 U	1.9 U	1.9 U	2 U	1.9 U	2 U	2.2 U	2 U
Toxaphene	ug/Kg	1900 U	190 U	190 U	200 U	190 U	200 U	220 U	200 U
Aroclor-1016	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1221	ug/Kg	750 U	76 U	75 U	79 U	76 U	78 U	86 U	78 U
Aroclor-1232	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1242	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1248	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1254	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
Aroclor-1260	ug/Kg	370 U	37 U	37 U	39 U	37 U	38 U	42 U	38 U
METALS									
Aluminum	mg/Kg	12900	13100	10900	9960	9630	12500	18000	15200
Antimony	mg/Kg	0.19 J	0.27 UJ	0.23 UJ	0.47 J	0.21 J	0.18 UJ	0.23 UJ	0.25 UJ
Arsenic	mg/Kg	5.4	5.1	5.2	4.8	4.2	4.8	7.6	7.8
Barium	mg/Kg	86.2	89.2	69.6	63.5	37.5	57.6	108	76.1
Beryllium	mg/Kg	0.58 J	0.56 J	0.53 J	0.47 J	0.44 J	0.48 J	0.88 J	0.7 J
Cadmium	mg/Kg	0.53 J	0.39 J	0.45 J	0.45 J	0.44 J	0.43 J	0.45 J	0.48 J
Calcium	mg/Kg	38000 J	52800 J	32200 J	36500 J	10500 J	37200 J	4260 J	27300 J
Chromium	mg/Kg	18.4	17.9	16.3	15.5	18.1	16.7	25.8	22
Cobalt	mg/Kg	9.4	9.3 J	9.7	8.7 J	11.4	9	14.6	13.4
Copper	mg/Kg	25.4	19	23	26.7	37.5	17.5	36.2	23.5
Iron	mg/Kg	23600	22700	21600	20000	22400	22100	32700	32100
Lead	mg/Kg	96.9	10.3	43.6	67.8	25.3	11.2	15.3	15.1
Magnesium	mg/Kg	8690	7910	8840	9180	4830	13100	6680	6320
Manganese	mg/Kg	497	390	474	458	255	434	749	503
Mercury	mg/Kg	0.03 J	0.03 J	0.03 J	0.03 J	0.04 J	0.15	0.04 J	0.02 J
Nickel	mg/Kg	26.8	25.2	24.9	24.6	42.5	23.2	38.8	36.1
Potassium	mg/Kg	1340 J	1540 J	1230 J	1520 J	992 J	1010 J	1830 J	1300 J
Selenium	mg/Kg	0.43 J	0.57 U	0.47 U	0.58 U	0.91	0.37 U	0.61 J	0.74 J
Silver	mg/Kg	0.07 UJ	0.11 UJ	0.09 UJ	0.1 UJ	0.06 UJ	0.07 UJ	0.09 UJ	0.1 UJ
Sodium	mg/Kg	54.9 J	108 J	140 J	90.7 J	50 J	45.6 J	17.6 U	37.2 J
Thallium	mg/Kg	0.25 U	0.4 U	0.33 U	0.4 U	0.24 U	0.26 U	0.34 U	0.36 U
Vanadium	mg/Kg	19.7	20.1	17.9	18.2	15.4	19.2	29.2	23.1
Zinc	mg/Kg	96.2	63.9	86.1	79.7	126	58.9	71.8	79.3
Cyanide	mg/Kg	0.54 U	0.48 U	0.5 U	0.35 U	0.54 U	0.44 U	0.54 U	0.58 U
OTHER ANALYSES									
Nitrate/Nitrite-Nitrogen	mg/Kg								
Total Petroleum Hydrocarbons	mg/Kg								
Total Solids	%W/W	86.9	87.7	86.6	84.7	87.6	86.4	78.5	85.7

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-71 03/29/94 MW71-1 215839 43179	WATER SEAD-71 07/07/94 MW71-3 226311 45257
VOLATILE ORGANICS			
Chloromethane	ug/L	10 U	10 U
Bromomethane	ug/L	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U
Chloroethane	ug/L	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U
Acetone	ug/L	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U
Chloroform	ug/L	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U
2-Butanone	ug/L	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U
Trichloroethene	ug/L	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U
Benzene	ug/L	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U
Bromoform	ug/L	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U
2-Hexanone	ug/L	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U
Toluene	ug/L	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U
Styrene	ug/L	10 U	10 U
Xylene (total)	ug/L	10 U	10 U
HERBICIDES			
2,4-D	ug/L		
2,4-DB	ug/L		
2,4,5-T	ug/L		
2,4,5-TP (Silvex)	ug/L		
Dalapon	ug/L		
Dicamba	ug/L		
Dichloroprop	ug/L		
Dinoseb	ug/L		
MCPA	ug/L		
MCPP	ug/L		
NITROAROMATICS			
HMX	ug/L		
RDX	ug/L		
1,3,5-Trinitrobenzene	ug/L		
1,3-Dinitrobenzene	ug/L		
Tetryl	ug/L		
2,4,6-Trinitrotoluene	ug/L		
4-amino-2,6-Dinitrotoluene	ug/L		
2-amino-4,6-Dinitrotoluene	ug/L		
2,6-Dinitrotoluene	ug/L		
2,4-Dinitrotoluene	ug/L		

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-71 03/29/94 MW71-1 215839 43179	WATER SEAD-71 07/07/94 MW71-3 226311 45257
SEMIVOLATILE ORGANICS			
Phenol	ug/L	10 U	13 U
bis(2-Chloroethyl) ether	ug/L	10 U	13 U
2-Chlorophenol	ug/L	10 U	13 U
1,3-Dichlorobenzene	ug/L	10 U	13 U
1,4-Dichlorobenzene	ug/L	10 U	13 U
1,2-Dichlorobenzene	ug/L	10 U	13 U
2-Methylphenol	ug/L	10 U	13 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	13 U
4-Methylphenol	ug/L	10 U	13 U
N-Nitroso-di-n-propylamine	ug/L	10 U	13 U
Hexachloroethane	ug/L	10 U	13 U
Nitrobenzene	ug/L	10 U	13 U
Isophorone	ug/L	10 U	13 U
2-Nitrophenol	ug/L	10 U	13 U
2,4-Dimethylphenol	ug/L	10 U	13 U
bis(2-Chloroethoxy) methane	ug/L	10 U	13 U
2,4-Dichlorophenol	ug/L	10 U	13 U
1,2,4-Trichlorobenzene	ug/L	10 U	13 U
Naphthalene	ug/L	10 U	13 U
4-Chloroaniline	ug/L	10 U	13 U
Hexachlorobutadiene	ug/L	10 U	13 U
4-Chloro-3-methylphenol	ug/L	10 U	13 U
2-Methylnaphthalene	ug/L	10 U	13 U
Hexachlorocyclopentadiene	ug/L	10 U	13 U
2,4,6-Trichlorophenol	ug/L	10 U	13 U
2,4,5-Trichlorophenol	ug/L	26 U	32 U
2-Chloronaphthalene	ug/L	10 U	13 U
2-Nitroaniline	ug/L	26 U	32 U
Dimethylphthalate	ug/L	10 U	13 U
Acenaphthylene	ug/L	10 U	13 U
2,6-Dinitrotoluene	ug/L	10 U	13 U
3-Nitroaniline	ug/L	26 U	32 U
Acenaphthene	ug/L	10 U	13 U
2,4-Dinitrophenol	ug/L	26 U	32 U
4-Nitrophenol	ug/L	26 U	32 U
Dibenzofuran	ug/L	10 U	13 U
2,4-Dinitrotoluene	ug/L	10 U	13 U
Diethylphthalate	ug/L	10 U	13 U
4-Chlorophenyl-phenylether	ug/L	10 U	13 U
Fluorene	ug/L	10 U	13 U
4-Nitroaniline	ug/L	26 U	32 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	32 U
N-Nitrosodiphenylamine	ug/L	10 U	13 U
4-Bromophenyl-phenylether	ug/L	10 U	13 U
Hexachlorobenzene	ug/L	10 U	13 U
Pentachlorophenol	ug/L	26 U	32 U
Phenanthrene	ug/L	10 U	13 U
Anthracene	ug/L	10 U	13 U
Carbazole	ug/L	10 U	13 U
Di-n-butylphthalate	ug/L	10 U	13 U
Fluoranthene	ug/L	10 U	13 U
Pyrene	ug/L	10 U	13 U
Butylbenzylphthalate	ug/L	10 U	13 U
3,3'-Dichlorobenzidine	ug/L	10 U	13 U
Benzo(a)anthracene	ug/L	10 U	13 U
Chrysene	ug/L	10 U	13 U
bis(2-Ethylhexyl)phthalate	ug/L	13 U	16 U
Di-n-octylphthalate	ug/L	10 U	13 U
Benzo(b)fluoranthene	ug/L	10 U	13 U
Benzo(k)fluoranthene	ug/L	10 U	13 U
Benzo(a)pyrene	ug/L	10 U	13 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	13 U
Dibenz(a,h)anthracene	ug/L	10 U	13 U
Benzo(g,h,i)perylene	ug/L	10 U	13 U

SENECA ARMY DEPOT
SEAD-71 ENVIRONMENTAL SITE INSPECTION
GROUNDWATER ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-71 03/29/94 MW71-1 215839 43179	WATER SEAD-71 07/07/94 MW71-3 226311 45257
PESTICIDES/PCB			
alpha-BHC	ug/L	0.052 U	0.054 U
beta-BHC	ug/L	0.052 U	0.054 U
delta-BHC	ug/L	0.052 U	0.054 U
gamma-BHC (Lindane)	ug/L	0.052 U	0.054 U
Heptachlor	ug/L	0.052 U	0.054 U
Aldrin	ug/L	0.052 U	0.054 U
Heptachlor epoxide	ug/L	0.052 U	0.054 U
Endosulfan I	ug/L	0.052 U	0.054 U
Dieldrin	ug/L	0.1 U	0.11 U
4,4'-DDE	ug/L	0.1 U	0.11 U
Endrin	ug/L	0.1 U	0.11 U
Endosulfan II	ug/L	0.1 U	0.11 U
4,4'-DDD	ug/L	0.1 U	0.11 U
Endosulfan sulfate	ug/L	0.1 U	0.11 U
4,4'-DDT	ug/L	0.1 U	0.11 U
Methoxychlor	ug/L	0.52 U	0.54 U
Endrin ketone	ug/L	0.1 U	0.11 U
Endrin aldehyde	ug/L	0.1 U	0.11 U
alpha-Chlordane	ug/L	0.052 U	0.054 U
gamma-Chlordane	ug/L	0.052 U	0.054 U
Toxaphene	ug/L	5.2 U	5.4 U
Aroclor-1016	ug/L	1 U	1.1 U
Aroclor-1221	ug/L	2.1 U	2.2 U
Aroclor-1232	ug/L	1 U	1.1 U
Aroclor-1242	ug/L	1 U	1.1 U
Aroclor-1248	ug/L	1 U	1.1 U
Aroclor-1254	ug/L	1 U	1.1 U
Aroclor-1260	ug/L	1 U	1.1 U
METALS			
Aluminum	ug/L	19700	334
Antimony	ug/L	1 U	1.3 U
Arsenic	ug/L	2.7 J	2 U
Barium	ug/L	164 J	37.7 J
Beryllium	ug/L	0.88 J	0.1 U
Cadmium	ug/L	0.33 J	0.2 U
Calcium	ug/L	212000	146000
Chromium	ug/L	33.1	0.59 J
Cobalt	ug/L	22.1 J	1.1 J
Copper	ug/L	16.1 J	0.75 J
Iron	ug/L	35100	613
Lead	ug/L	17.2	0.89 U
Magnesium	ug/L	32400	18000
Manganese	ug/L	1680	557
Mercury	ug/L	0.06 J	0.05 J
Nickel	ug/L	49.4	2.6 J
Potassium	ug/L	3260 J	4910 J
Selenium	ug/L	1.7 U	2.7 U
Silver	ug/L	0.7 U	0.5 U
Sodium	ug/L	9180	4130 J
Thallium	ug/L	1.6 U	2.5 J
Vanadium	ug/L	25.7 J	0.9 J
Zinc	ug/L	97.3	6.5 J
Cyanide	ug/L	5 U	5 U
OTHER ANALYSES			
Nitrate/Nitrite-Nitrogen	mg/L		
Total Petroleum Hydrocarbons	mg/L		
pH	Standard Units	8.8	7.1
Conductivity	umhos/cm	620	660
Temperature	°C	6.1	17.5
Turbidity	NTU	1860	64

QC Rinsates and Trip Blanks

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION			SEAD-9	SEAD-12	SEAD-12	SEAD-12	SEAD-43	SEAD-43	SEAD-43	SEAD-43
	SAMPLE DATE	02/20/94	02/20/94	07/19/94	06/22/94	06/25/94	06/13/94	06/10/94	02/17/94	04/15/94	07/19/94
	ES ID	TP5-1R	TP5-1RRE	MW9-3R	SD12A-1R	TP12B-3R	MW12B-1.03R	SB43-1-00R	SB43-4R	SD43-3R	MW43-1R
	LAB ID	212040	212040	227440	225192	225552	224123	223690	211723	217765	227447
	SDG NUMBER	42494	42494	45332	44745	45058	44745	44725	42460	43543	45332
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
VOLATILE ORGANICS											
Chloromethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 UJ			10 U	10 U	10 U	10 U	12	22	10 U
Carbon Disulfide	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 UJ			10 U	10 U	10 U	10 U	10 U	10 U	10 U
HERBICIDES											
2,4-D	ug/L							1.1 U	1.1 U		1.1 U
2,4-DB	ug/L							1.1 U	1.1 U		1.1 U
2,4,5-T	ug/L							0.11 U	0.11 U		0.11 U
2,4,5-TP (Silvex)	ug/L							0.11 U	0.11 U		0.11 U
Dalapon	ug/L							2.4 U	2.4 U		2.4 U
Dicamba	ug/L							0.11 U	0.11 U		0.11 U
Dichloroprop	ug/L							1.1 U	1.1 U		1.1 U
Dinoseb	ug/L							0.5 UJ	0.53 U		0.52 U
MCPA	ug/L							110 U	110 U		110 U
MCPP	ug/L							110 U	110 U		110 U
NITROAROMATICS											
HMX	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
RDX	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
1,3,5-Trinitrobenzene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
1,3-Dinitrobenzene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
Tetryl	ug/L							0.064 J	0.13 U	0.13 U	0.13 U
2,4,6-Trinitrotoluene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
4-amino-2,6-Dinitrotoluene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
2-amino-4,6-Dinitrotoluene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
2,6-Dinitrotoluene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U
2,4-Dinitrotoluene	ug/L							0.13 U	0.13 U	0.13 U	0.13 U

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER 02/20/94 TP5-1R 212040 42494 RINSATE	WATER 02/20/94 TP5-1RRE 212040 42494 RINSATE	WATER SEAD-9 07/19/94 MW9-3R 227440 45332 RINSATE	WATER SEAD-12 06/22/94 SD12A-1R 225192 44745 RINSATE	WATER SEAD-12 06/25/94 TP12B-3R 225552 45058 RINSATE	WATER SEAD-12 06/13/94 MW12B-1.03R 224123 44745 RINSATE	WATER SEAD-43 06/10/94 SB43-1-00R 223890 44725 RINSATE	WATER SEAD-43 02/17/94 SB43-4R 211723 42460 RINSATE	WATER SEAD-43 04/15/94 SD43-3R 217765 43543 RINSATE	WATER SEAD-43 07/19/94 MW43-1R 227447 45332 RINSATE
SEMIVOLATILE ORGANICS											
Phenol	ug/L	10 U	11 UJ		10 U	10 U	2 J	1 J	10 U	10 U	11 U
bis(2-Chloroethyl) ether	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2-Chlorophenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,3-Dichlorobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,4-Dichlorobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,2-Dichlorobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2-Methylphenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
4-Methylphenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Hexachloroethane	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Nitrobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Isophorone	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2-Nitrophenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2,4-Dimethylphenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2,4-Dichlorophenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
1,2,4-Trichlorobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Naphthalene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
4-Chloroaniline	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Hexachlorobutadiene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
4-Chloro-3-methylphenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2-Methylnaphthalene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Hexachlorocyclopentadiene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2,4,6-Trichlorophenol	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2,4,5-Trichlorophenol	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U
2-Chloronaphthalene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2-Nitroaniline	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U
Dimethylphthalate	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Acenaphthylene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2,6-Dinitrotoluene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
3-Nitroaniline	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U
Acenaphthene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2,4-Dinitrophenol	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U
4-Nitrophenol	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U
Dibenzofuran	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
2,4-Dinitrotoluene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Diethylphthalate	ug/L	10 U	11 UJ		10 U	10 U	0.7 J	10 U	10 U	10 U	0.6 J
4-Chlorophenyl-phenylether	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Fluorene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
4-Nitroaniline	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U
N-Nitrosodiphenylamine	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
4-Bromophenyl-phenylether	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Hexachlorobenzene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Pentachlorophenol	ug/L	26 U	27 UJ		25 U	26 U	25 U	26 U	26 U	26 U	27 U
Phenanthrene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Anthracene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Carbazole	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Di-n-butylphthalate	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	0.8 J
Fluoranthene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Pyrene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Butylbenzylphthalate	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
3,3'-Dichlorobenzidine	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Benzo(a)anthracene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Chrysene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	11 UJ		10 U	7 BJ	10 U	10 U	10 U	10 U	4 JB
Di-n-octylphthalate	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Benzo(b)fluoranthene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Benzo(k)fluoranthene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Benzo(a)pyrene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Dibenz(a,h)anthracene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U
Benzo(g,h,i)perylene	ug/L	10 U	11 UJ		10 U	10 U	10 U	10 U	10 U	10 U	11 U

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER 02/20/94 TP5-1R 212040 42494 RINSATE	WATER 02/20/94 TP5-1RRE 212040 42494 RINSATE	WATER SEAD-9 07/19/94 MW9-3R 227440 45332 RINSATE	WATER SEAD-12 06/22/94 SD12A-1R 225192 44745 RINSATE	WATER SEAD-12 06/25/94 TP12B-3R 225552 45058 RINSATE	WATER SEAD-12 06/13/94 MW12B-1.03R 224123 44745 RINSATE	WATER SEAD-43 06/10/94 SB43-1-00R 223890 44725 RINSATE	WATER SEAD-43 02/17/94 SB43-4R 211723 42460 RINSATE	WATER SEAD-43 04/15/94 SD43-3R 217765 43543 RINSATE	WATER SEAD-43 07/19/94 MW43-1R 227447 45332 RINSATE
PESTICIDES/PCB											
alpha-BHC	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U
beta-BHC	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.03 J	0.052 U	0.051 U
delta-BHC	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U
gamma-BHC (Lindane)	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U
Heptachlor	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U
Aldrin	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U
Heptachlor epoxide	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U
Endosulfan I	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U
Dieldrin	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Endrin	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.52 U			0.54 U	0.52 U	0.51 U	0.52 U	0.54 U	0.52 U	0.51 U
Endrin ketone	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.1 U			0.11 U	0.1 U	0.1 U	0.1 U	0.11 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U
gamma-Chlordane	ug/L	0.052 U			0.054 U	0.052 U	0.051 U	0.052 U	0.054 U	0.052 U	0.051 U
Toxaphene	ug/L	5.2 U			5.4 U	5.2 U	5.1 U	5.2 U	5.4 U	5.2 U	5.1 U
Aroclor-1016	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Aroclor-1221	ug/L	2.1 U			2.2 U	2.1 U	2 U	2.1 U	2.1 U	2.1 U	2 U
Aroclor-1232	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Aroclor-1242	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Aroclor-1248	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Aroclor-1254	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
Aroclor-1260	ug/L	1 U			1.1 U	1 U	1 U	1 U	1.1 U	1 U	1 U
METALS											
Aluminum	ug/L	40.1 J			21.7 J	99.2 J	25.5 J	13.2 J	41.8 U	20 J	8.7 UJ
Antimony	ug/L	0.99 U			1.3 U	4.2 J	1.3 U	1.3 U	21.5 U	1.5 J	1.3 U
Arsenic	ug/L	1.5 U			2 U	2.4 J	2 U	2 U	1.4 U	1.5 U	2 U
Barium	ug/L	2.2 U			2 U	2 U	2 U	2 U	3.5 U	2.2 U	2 U
Beryllium	ug/L	0.08 U			0.1 U	0.9 J	0.1 U	0.1 U	0.4 U	0.17 J	0.1 U
Cadmium	ug/L	0.1 U			0.2 U	0.68 J	0.2 U	0.2 U	2.1 U	0.28 J	0.2 U
Calcium	ug/L	41.1 U			98.7 J	406 J	132 J	131 U	127 U	811 J	40.7 U
Chromium	ug/L	0.4 U			0.4 U	1.1 J	2.6 J	0.61 J	2.6 U	0.79 J	0.4 U
Cobalt	ug/L	0.6 U			0.5 U	1 J	0.54 J	0.5 U	4.4 U	0.67 J	0.5 U
Copper	ug/L	1.1 J			1.2 J	2.4 J	1.1 J	1.7 J	4 J	12.2 J	0.85 J
Iron	ug/L	9.6 U			16.5 J	121	30.1 J	25.7 J	17.6 J	42.2 J	11.7 U
Lead	ug/L	0.6 U			0.9 U	1.7 J	0.89 U	0.9 U	0.69 U	0.79 U	0.9 U
Magnesium	ug/L	31.2 U			34.4 U	133 J	34.4 U	34.4 U	114 U	65.9 J	34.6 U
Manganese	ug/L	0.5 U			0.36 J	1.3 J	0.73 J	0.6 U	1.1 U	0.61 J	0.2 U
Mercury	ug/L	0.04 U			0.03 J	0.04 U	0.11 J	0.03 U	0.04 U	0.03 U	0.06 J
Nickel	ug/L	0.6 U			0.7 U	3.1 J	0.7 U	4.1 J	4 U	2.6 J	0.7 U
Potassium	ug/L	43.4 U			47.2 U	98.2 J	47.2 U	47.3 U	906 U	53.6 J	47.5 U
Selenium	ug/L	1.5 J			2.7 U	2.7 U	2.7 U	2.7 U	1.1 U	1.7 U	2.7 U
Silver	ug/L	0.7 U			0.5 U	1.1 J	0.6 J	0.5 U	4.2 U	0.69 U	1.9 J
Sodium	ug/L	1350 J			1200 J	1170 J	1150 J	1480 J	1990 J	1460 J	523 J
Thallium	ug/L	1.2 U			1.9 U	2.7 J	1.9 U	1.9 U	1.2 U	2.3 J	2.6 J
Vanadium	ug/L	0.7 U			0.5 U	1.1 J	0.5 U	0.5 U	3.7 U	0.69 U	0.5 U
Zinc	ug/L	9.8 J			9.5 J	16.1 J	6.1 J	5.6 J	3.3 J	12.6 J	2.2 U
Cyanide	ug/L	5 U			5 U	5 U	5 U	5 U	5 U	5 U	5 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/L	0.01						0.03	0.02	0.01	0.01
Total Petroleum Hydrocarbons	mg/L	0.39 U		0.36 U					0.41 U		

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-43	SEAD-43	SEAD-44	SEAD-44	SEAD-59	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	SAMPLE DATE	03/28/94	02/17/94	07/12/94	04/13/94	05/26/94	02/28/94	05/27/94	06/07/94	06/07/94	07/07/94
	ES ID	MW43-3R	SB43-4RRE	MW44A-1R	SS44A-1R	SB59-2-00R	SB60-1R	SB60-1-00R	SB60-2-00R	SB60-2-00RRE	MW60-2R
	LAB ID	215558	211723	226788	217677	222480	212885	222474	223338	223338	226304
	SDG NUMBER	43179	42460	45282	43535	44410	42510	44410	44410	44410	45257
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Bromomethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Vinyl Chloride	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Chloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Methylene Chloride	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Acetone	ug/L	28		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Carbon Disulfide	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,1-Dichloroethene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,1-Dichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,2-Dichloroethane (total)	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Chloroform	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,2-Dichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
2-Butanone	ug/L	10 U		10 U	10 U	10 U	13 U	10 U	10 U		10 U
1,1,1-Trichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Carbon Tetrachloride	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Bromodichloromethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,2-Dichloropropane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
cis-1,3-Dichloropropene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Trichloroethene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Dibromochloromethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,1,2-Trichloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Benzene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
trans-1,3-Dichloropropene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Bromoform	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
4-Methyl-2-Pentanone	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
2-Hexanone	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Tetrachloroethene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Toluene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Chlorobenzene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Ethylbenzene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Styrene	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
Xylene (total)	ug/L	10 U		10 U	10 U	10 U	10 U	10 U	10 U		10 U
HERBICIDES											
2,4-D	ug/L	1.1 U									
2,4-DB	ug/L	1.1 U									
2,4,5-T	ug/L	0.11 U									
2,4,5-TP (Silvex)	ug/L	0.11 U									
Dalapon	ug/L	2.4 U									
Dicamba	ug/L	1.1 U									
Dichloroprop	ug/L	1.1 U									
Dinoseb	ug/L	0.51 U									
MCPA	ug/L	110 U									
MCPP	ug/L	110 U									
NITROAROMATICS											
HMX	ug/L	0.13 UJ		0.13 U	0.13 U						
RDX	ug/L	0.13 UJ		0.13 U	0.13 U						
1,3,5-Trinitrobenzene	ug/L	0.13 UJ		0.13 U	0.13 U						
1,3-Dinitrobenzene	ug/L	0.13 UJ		0.13 U	0.13 U						
Tetryl	ug/L	0.13 UJ		0.13 U	0.13 U						
2,4,6-Trinitrotoluene	ug/L	0.13 UJ		0.13 U	0.13 U						
4-amino-2,6-Dinitrotoluene	ug/L	0.13 UJ		0.13 U	0.13 U						
2-amino-4,6-Dinitrotoluene	ug/L	0.13 UJ		0.13 U	0.13 U						
2,6-Dinitrotoluene	ug/L	0.13 UJ		0.13 U	0.13 U						
2,4-Dinitrotoluene	ug/L	0.13 UJ		0.13 U	0.13 U						

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-43	SEAD-43	SEAD-44	SEAD-44	SEAD-59	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	SAMPLE DATE	03/28/94	02/17/94	07/12/94	04/13/94	05/26/94	02/28/94	05/27/94	06/07/94	06/07/94	07/07/94
	ES ID	MW43-3R	SB43-4RRE	MW44A-1R	SS44A-1R	SB59-2-00R	SB60-1R	SB60-1-00R	SB60-2-00R	SB60-2-00RRE	MW60-2R
	LAB ID	215556	211723	226788	217677	222480	212885	222474	223338	223338	226304
	SDG NUMBER	43179	42460	45282	43535	44410	42510	44410	44410	44410	45257
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
SEMIVOLATILE ORGANICS											
Phenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
bis(2-Chloroethyl) ether	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2-Chlorophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
1,3-Dichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
1,4-Dichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
1,2-Dichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2-Methylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,2'-oxybis(1-Chloropropane)	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
4-Methylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
N-Nitroso-di-n-propylamine	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Hexachloroethane	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Nitrobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Isophorone	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2-Nitrophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4-Dimethylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
bis(2-Chloroethoxy) methane	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4-Dichlorophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
1,2,4-Trichlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Naphthalene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
4-Chloroaniline	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Hexachlorobutadiene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
4-Chloro-3-methylphenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2-Methylnaphthalene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Hexachlorocyclopentadiene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4,6-Trichlorophenol	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4,5-Trichlorophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
2-Chloronaphthalene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2-Nitroaniline	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
Dimethylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Acenaphthylene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,6-Dinitrotoluene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
3-Nitroaniline	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
Acenaphthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4-Dinitrophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
4-Nitrophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
Dibenzofuran	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
2,4-Dinitrotoluene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Diethylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	0.8 J	10 U	11 U		0.7 J
4-Chlorophenyl-phenylether	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Fluorene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
4-Nitroaniline	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
4,6-Dinitro-2-methylphenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
N-Nitrosodiphenylamine	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
4-Bromophenyl-phenylether	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Hexachlorobenzene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Pentachlorophenol	ug/L	26 U	26 UJ	26 U	25 U	26 U	25 U	25 U	27 U		26 U
Phenanthrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Anthracene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Carbazole	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Di-n-butylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		0.7 JB
Fluoranthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Pyrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Butylbenzylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
3,3'-Dichlorobenzidine	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Benzo(a)anthracene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Chrysene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	14 UJ	11 U	10 U	10 U	10 U	10 U	51 U		34 B
Di-n-octylphthalate	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Benzo(b)fluoranthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Benzo(k)fluoranthene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Benzo(a)pyrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Dibenz(a,h)anthracene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U
Benzo(g,h,i)perylene	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	11 U		11 U

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-43	SEAD-43	SEAD-44	SEAD-44	SEAD-59	SEAD-60	SEAD-60	SEAD-60	SEAD-60	SEAD-60
	SAMPLE DATE	03/28/94	02/17/94	07/12/94	04/13/94	05/26/94	02/28/94	05/27/94	06/07/94	06/07/94	07/07/94
	ES ID	MW43-3R	SB43-4RRE	MW44A-1R	SS44A-1R	SB59-2-00R	SB60-1R	SB60-1-00R	SB60-2-00R	SB60-2-00RRE	MW60-2R
	LAB ID	215556	211723	226786	217677	222480	212685	222474	223338	223338	226304
	SDG NUMBER	43179	42460	45282	43535	44410	42510	44410	44410	44410	45257
	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
PESTICIDES/PCB											
alpha-BHC	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
beta-BHC	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
delta-BHC	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
gamma-BHC (Lindane)	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
Heptachlor	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
Aldrin	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
Heptachlor epoxide	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
Endosulfan I	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.052 U	0.052 U	0.051 U
Dieldrin	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDE	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan II	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDD	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endosulfan sulfate	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
4,4'-DDT	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Methoxychlor	ug/L	0.52 U		0.52 U	0.56 U	0.51 U	0.52 U	0.51 U	0.52 U	0.52 U	0.51 U
Endrin ketone	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
Endrin aldehyde	ug/L	0.1 U		0.1 U	0.11 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
alpha-Chlordane	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.096 U	0.052 U	0.051 U
gamma-Chlordane	ug/L	0.052 U		0.052 U	0.056 U	0.051 U	0.052 U	0.051 U	0.1 U	0.052 U	0.051 U
Toxaphene	ug/L	5.2 U		5.2 U	5.6 U	5.1 U	5.2 U	5.1 U	5.2 U	5.2 U	5.1 U
Aroclor-1016	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1221	ug/L	2.1 U		2.1 U	2.2 U	2 U	2.1 U	2 U	2.1 U	2.1 U	2 U
Aroclor-1232	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1242	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1248	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1254	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
Aroclor-1260	ug/L	1 U		1 U	1.1 U	1 U	1 U	1 U	1 U	1 U	1 U
METALS											
Aluminum	ug/L	25.8 J		8.7 U	187 J	23.5 J	21.9 J	35 J	25.8 J		17.6 J
Antimony	ug/L	1 U		1.3 U	1 U	1.3 U	1 U	1.3 U	1.3 U		1.3 J
Arsenic	ug/L	1.5 U		2 U	1.5 U	2 U	1.5 U	2 U	2 U		2 U
Barium	ug/L	2.2 U		2 U	2.2 U	2 U	2.2 U	2 U	2 U		2 U
Beryllium	ug/L	0.06 U		0.1 U	0.06 U	0.1 U	0.06 U	0.1 U	0.1 U		0.1 U
Cadmium	ug/L	0.1 U		0.2 U	0.1 U	0.2 U	0.1 U	0.2 U	0.2 U		0.2 U
Calcium	ug/L	170 J		40.6 U	95.6 J	45.1 J	86.8 J	40.4 U	144 J		46.6 J
Chromium	ug/L	0.4 U		0.4 U	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U		0.4 U
Cobalt	ug/L	0.6 U		0.5 U	0.6 U	0.5 U	0.6 U	0.5 U	0.5 U		0.5 U
Copper	ug/L	13.6 J		1.4 J	1.2 J	0.89 J	3.9 J	0.95 J	0.76 J		0.82 J
Iron	ug/L	18.3 J		15.8 J	146	11.6 U	29.3 J	14.4 J	12.7 J		11.6 U
Lead	ug/L	0.8 U		0.9 U	0.8 U	0.89 U	0.8 U	0.89 U	1.2 J		0.89 U
Magnesium	ug/L	31.4 U		34.5 U	39.3 J	34.3 U	31.4 U	34.3 U	34.4 U		34.3 U
Manganese	ug/L	0.5 U		0.2 U	1.4 J	0.2 U	1.2 J	0.27 J	0.27 J		0.2 U
Mercury	ug/L	0.03 U		0.04 U	0.03 U	0.03 U	0.04 U	0.04 J	0.03 J		0.05 J
Nickel	ug/L	0.99 J		0.7 U	3.2 J	3.1 J	0.89 J	6.9 J	3.8 J		0.69 U
Potassium	ug/L	43.6 U		47.4 U	54.6 J	47.1 U	43.6 U	47.1 U	47.3 U		47.1 U
Selenium	ug/L	1.7 U		2.7 U	1.7 U	2.7 U	1.1 J	2.7 U	2.7 U		2.7 U
Silver	ug/L	0.7 U		0.5 U	3.9 U	0.5 U	0.7 U	0.5 U	0.5 U		0.5 U
Sodium	ug/L	1520 J		498 J	1550 J	1050 J	1380 J	1500 J	1110 J		421 J
Thallium	ug/L	1.6 U		1.9 U	1.6 U	3 J	1.2 U	1.9 U	1.9 U		1.9 U
Vanadium	ug/L	0.7 U		0.5 U	0.7 U	0.5 U	0.7 U	0.5 U	0.5 U		0.5 U
Zinc	ug/L	16.5 J		2.2 U	3.7 J	6.5 J	4.1 J	3.9 J	12 J		2.2 U
Cyanide	ug/L	5 U		5 U	5 U	5 U	5.9 U	5 U	5 U		5 U
OTHER ANALYSES											
Nitrate/Nitrite-Nitrogen	mg/L	0.01 U		0.01	0.02						
Total Petroleum Hydrocarbons	mg/L	0.4 U				0.77	0.41 U	0.41	0.41 U		0.37 U

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-60	SEAD-63	SEAD-63	SEAD-64	SEAD-64	SEAD-64	SEAD-69		
	SAMPLE DATE	04/20/94	06/27/94	06/28/94	04/11/94	04/11/94	06/24/94	05/17/94	02/17/94	02/17/94
	ES ID	SW60-3R	TP63-7R	TP63-11R	SS64C-1R	SS64C-1RRE	SB64D-3R	SB69-1R	DAF2-17	DAF2-17RE
	LAB ID	218492	225567	225800	217071	217071	225474	221353	211776	211776
	SDG NUMBER	43663	45062	45062	43257	43257	44799	44090	42510	42510
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	DIST. WATER	DIST. WATER
VOLATILE ORGANICS										
Chloromethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Bromomethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Chloroethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Acetone	ug/L	2 J	10 U	10 U	10 U		7 J	10 U	10 U	
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Chloroform	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
2-Butanone	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
1,2-Dichloropropene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Trichloroethene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Benzene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Bromoform	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
2-Hexanone	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Toluene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Styrene	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
Xylene (total)	ug/L	10 U	10 U	10 U	10 U		10 U	10 U	10 U	
HERBICIDES										
2,4-D	ug/L							1.2 U	1.1 U	
2,4-DB	ug/L							1.2 U	1.1 U	
2,4,5-T	ug/L							0.12 U	0.11 U	
2,4,5-TP (Silvex)	ug/L							0.12 U	0.11 U	
Dalapon	ug/L							2.8 U	2.4 U	
Dicamba	ug/L							0.12 U	0.11 U	
Dichloroprop	ug/L							1.2 U	1.1 U	
Dinoseb	ug/L							0.59 U	0.52 U	
MCPA	ug/L							120 U	110 U	
MCPP	ug/L							120 U	110 U	
NITROAROMATICS										
HMX	ug/L							0.13 U	0.13 U	
RDX	ug/L							0.13 U	0.13 U	
1,3,5-Trinitrobenzene	ug/L							0.13 U	0.13 U	
1,3-Dinitrobenzene	ug/L							0.13 U	0.13 U	
Tetryl	ug/L							0.11 J	0.13 U	
2,4,6-Trinitrotoluene	ug/L							0.13 U	0.13 U	
4-amino-2,6-Dinitrotoluene	ug/L							0.13 U	0.13 U	
2-amino-4,6-Dinitrotoluene	ug/L							0.13 U	0.13 U	
2,6-Dinitrotoluene	ug/L							0.13 U	0.13 U	
2,4-Dinitrotoluene	ug/L							0.13 U	0.13 U	

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION	SEAD-60	SEAD-63	SEAD-63	SEAD-64	SEAD-64	SEAD-64	SEAD-69		
	SAMPLE DATE	04/20/94	06/27/94	06/28/94	04/11/94	04/11/94	06/24/94	05/17/94	02/17/94	02/17/94
	ES ID	SW60-3R	TP63-7R	TP63-11R	SS64C-1R	SS64C-1RRE	SB64D-3R	SB69-1R	DAF2-17	DAF2-17RE
	LAB ID	218492	225567	225800	217071	217071	225474	221353	211776	211776
	SDG NUMBER	43663	45062	45062	43257	43257	44799	44090	42510	42510
COMPOUND	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	DIST. WATER	DIST. WATER
SEMIVOLATILE ORGANICS										
Phenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
bis(2-Chloroethyl) ether	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2-Chlorophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
1,3-Dichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
1,4-Dichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
1,2-Dichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2-Methylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,2'-oxybis(1-Chloropropane)	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Methylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
N-Nitroso-di-n-propylamine	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Hexachloroethane	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Nitrobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Isophorone	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2-Nitrophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4-Dimethylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
bis(2-Chloroethoxy) methane	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4-Dichlorophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
1,2,4-Trichlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Naphthalene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Chloroaniline	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Hexachlorobutadiene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Chloro-3-methylphenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2-Methylnaphthalene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Hexachlorocyclopentadiene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4,6-Trichlorophenol	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4,5-Trichlorophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
2-Chloronaphthalene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2-Nitroaniline	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
Dimethylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Acenaphthylene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,6-Dinitrotoluene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
3-Nitroaniline	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
Acenaphthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4-Dinitrophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
4-Nitrophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
Dibenzofuran	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
2,4-Dinitrotoluene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Diethylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Chlorophenyl-phenylether	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Fluorene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Nitroaniline	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
4,6-Dinitro-2-methylphenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
N-Nitrosodiphenylamine	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
4-Bromophenyl-phenylether	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Hexachlorobenzene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Pentachlorophenol	ug/L	34 U	25 U	27 U	27 U	25 U	25 U	26 U	25 U	26 UJ
Phenanthrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Anthracene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Carbazole	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Di-n-butylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	3 BJ	10 U	10 U	10 UJ
Fluoranthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Pyrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Butylbenzylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
3,3'-Dichlorobenzidine	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(a)anthracene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Chrysene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
bis(2-Ethylhexyl)phthalate	ug/L	14 U	10 U	11 U	11 U	10 U	2 J	10 U	10 U	12 UJ
Di-n-octylphthalate	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(b)fluoranthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(k)fluoranthene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(a)pyrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Indeno(1,2,3-cd)pyrene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Dibenz(a,h)anthracene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ
Benzo(g,h,i)perylene	ug/L	14 U	10 U	11 U	11 U	10 U	10 U	10 U	10 U	10 UJ

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

COMPOUND	MATRIX LOCATION SAMPLE DATE ES ID LAB ID SDG NUMBER UNITS	WATER SEAD-60 04/20/94 SW60-3R 218492 43663 RINSATE	WATER SEAD-63 06/27/94 TP63-7R 225567 45062 RINSATE	WATER SEAD-63 06/28/94 TP63-11R 225800 45062 RINSATE	WATER SEAD-64 04/11/94 SS64C-1R 217071 43257 RINSATE	WATER SEAD-64 04/11/94 SS64C-1RRE 217071 43257 RINSATE	WATER SEAD-64 06/24/94 SB64D-3R 225474 44799 RINSATE	WATER SEAD-69 05/17/94 SB69-1R 221353 44090 RINSATE	WATER 02/17/94 DAF2-17 211776 42510 DIST. WATER	WATER 02/17/94 DAF2-17RE 211776 42510 DIST. WATER
PESTICIDES/PCB										
alpha-BHC	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
beta-BHC	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
delta-BHC	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
gamma-BHC (Lindane)	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Heptachlor	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Aldrin	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Heptachlor epoxide	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Endosulfan I	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Dieldrin	ug/L	0.11 U	0.1 UJ	0.055 J	0.1 U		0.11 U	0.1 U	0.1 U	
4,4'-DDE	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
Endrin	ug/L	0.11 U	0.1 UJ	0.062 J	0.1 U		0.11 U	0.1 U	0.1 U	
Endosulfan II	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
4,4'-DDD	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
Endosulfan sulfate	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
4,4'-DDT	ug/L	0.11 U	0.1 UJ	0.1 J	0.1 U		0.11 U	0.1 U	0.1 U	
Methoxychlor	ug/L	0.54 U	0.52 UJ	0.54 U	0.52 U		0.53 U	0.52 U	0.52 U	
Endrin ketone	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
Endrin aldehyde	ug/L	0.11 U	0.1 UJ	0.11 U	0.1 U		0.11 U	0.1 U	0.1 U	
alpha-Chlordane	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.035 U	0.052 U	
gamma-Chlordane	ug/L	0.054 U	0.052 UJ	0.054 U	0.052 U		0.053 U	0.052 U	0.052 U	
Toxaphene	ug/L	5.4 U	5.2 UJ	5.4 U	5.2 U		5.3 U	5.2 U	5.2 U	
Aroclor-1016	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
Aroclor-1221	ug/L	2.1 U	2.1 UJ	2.1 U	2.1 U		2.1 U	2.1 U	2.1 U	
Aroclor-1232	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
Aroclor-1242	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
Aroclor-1248	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
Aroclor-1254	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
Aroclor-1260	ug/L	1.1 U	1 UJ	1.1 U	1 U		1.1 U	1 U	1 U	
METALS										
Aluminum	ug/L	12.6 U	14 J	12.3 J	17.1 J		15.5 J	23 J	12.6 U	
Antimony	ug/L	0.99 U	1.3 UJ	1.3 UJ	0.99 U		1.3 U	1 U	1 U	
Arsenic	ug/L	1.5 U	2 UJ	2 UJ	1.5 U		2 U	1.5 U	1.5 U	
Barium	ug/L	2.2 U	2 UJ	2 UJ	2.2 U		2 U	2.2 U	2.2 U	
Beryllium	ug/L	0.06 U	0.1 UJ	0.1 UJ	0.06 U		0.1 U	0.06 U	0.06 U	
Cadmium	ug/L	0.1 U	0.2 UJ	0.2 UJ	0.1 U		0.2 U	0.1 U	0.1 U	
Calcium	ug/L	41 U	40.7 UJ	45.3 J	41 U		109 J	41.3 U	41.1 U	
Chromium	ug/L	0.4 U	0.4 UJ	0.4 UJ	0.4 U		0.4 U	0.55 J	0.4 U	
Cobalt	ug/L	0.6 U	0.5 UJ	0.5 UJ	0.6 U		0.5 U	0.6 U	0.6 U	
Copper	ug/L	1.7 J	1.2 J	1.2 J	1.1 J		1.4 J	1.6 J	1.1 J	
Iron	ug/L	9.6 U	20.7 J	16.1 J	15.5 J		11.6 U	10.6 J	9.7 U	
Lead	ug/L	0.79 U	0.9 UJ	0.9 UJ	0.79 U		0.9 U	0.8 U	0.8 U	
Magnesium	ug/L	31.2 U	34.6 UJ	34.5 UJ	31.2 U		34.4 U	31.4 U	31.3 U	
Manganese	ug/L	0.5 U	0.2 UJ	0.21 J	0.5 U		0.5 U	0.5 U	0.5 U	
Mercury	ug/L	0.03 U	0.04 UJ	0.04 UJ	0.03 U		0.04 U	0.03 U	0.04 U	
Nickel	ug/L	0.73 J	0.73 J	0.86 J	1.9 J		4.1 J	0.66 J	0.6 U	
Potassium	ug/L	43.3 U	47.5 UJ	47.4 UJ	43.3 U		47.3 U	43.6 U	43.4 U	
Selenium	ug/L	1.7 U	2.7 UJ	2.7 UJ	1.7 U		2.7 U	1.7 U	1.1 U	
Silver	ug/L	0.69 U	0.5 UJ	0.5 UJ	0.69 U		0.5 U	0.7 U	0.7 U	
Sodium	ug/L	1510 J	461 J	495 J	1580 J		1120 J	1650 J	1440 J	
Thallium	ug/L	1.6 U	2.2 J	2.6 J	1.6 U		2.3 J	2 J	1.2 U	
Vanadium	ug/L	0.69 U	0.5 UJ	0.5 UJ	0.69 U		0.5 U	0.7 U	0.7 U	
Zinc	ug/L	2.8 J	2.2 UJ	3.2 J	3 J		11.4 J	19.7 J	2.3 J	
Cyanide	ug/L	5 U	5 U	5 U	5 U		5 U	5 U	5 U	
OTHER ANALYSES										
Nitrate/Nitrite-Nitrogen	mg/L							0.15	0.02	
Total Petroleum Hydrocarbons	mg/L	0.41 U							0.36 U	

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION										
	SAMPLE DATE	02/17/94	02/20/94	02/28/94	03/28/94	03/29/94	03/30/94	04/11/94	04/13/94	04/15/94	04/16/94
	ES ID	TB2-17	TB2-20	TB2-28	TB3-28	TB3-29	TB3-30	TB4-12	TB4-13	TB4-15	TB4-16
	LAB ID	211729	212036	212887	215559	215840	216052	217075	217692	217773	217868
	SDG NUMBER	42460	42494	42510	43179	43179	43179	43257	43535	43549	43549
COMPOUND	UNITS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	7 J	10 U	30 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	ug/L	10 U	20 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 UJ	11 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 UJ	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

COMPOUND	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION										
	SAMPLE DATE	04/17/94	04/20/94	04/26/94	04/27/94	04/27/94	05/17/94	05/26/94	05/27/94	06/07/94	06/10/94
	ES ID	TB4-17	TB4-20	TB4-26	TB4-27	TB4-28	TB5-17	TB5-26	TB5-27	TB6-7	TB6-10
	LAB ID	218096	218494	219468	219469	219532	221358	222476	222477	223343	223917
	SDG NUMBER	43549	43663	43810	43810	43626	44090	44410	44410	44665	44748
	UNITS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	4 J	10 U	10 U	5 J	2 J	6 J	4 J	10	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION										
	SAMPLE DATE	06/11/94	06/12/94	06/13/94	06/14/94	06/22/94	06/24/94	06/25/94	06/27/94	06/28/94	07/07/94
	ES ID	TB6-11	TB6-12	TB6-13	TB6-14	TB6-22	TB6-24	TB6-25	TB6-27	TB6-28	TB7-7
	LAB ID	223900	224125	224126	224161	225193	225500	225554	225565	225799	226312
	SDG NUMBER	44745	44745	44745	44745	44745	45048	45058	45058	45062	45257
COMPOUND	UNITS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	6 J	10 U	10 U
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
ENVIRONMENTAL SITE INSPECTIONS AT 15 SWMUS
QUALITY ASSURANCE / QUALITY CONTROL ANALYSIS RESULTS

	MATRIX	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	LOCATION										
	SAMPLE DATE	07/08/94	07/09/94	07/10/94	07/11/94	07/12/94	07/13/94	07/18/94	07/19/94	07/20/94	07/21/94
	ES ID	TB7-8	TB7-9	TB7-10	TB7-11	TB7-12	TB7-13	TB7-18	TB7-19	TB7-20	TB7-21
	LAB ID	226391	226394	226489	226669	226796	226797	227270	227450	227612	227736
	SDG NUMBER	45257	45257	45282	45282	45332	45332	45332	45332	45448	45448
COMPOUND	UNITS	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK	BLANK
VOLATILE ORGANICS											
Chloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromomethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Methylene Chloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetone	ug/L	10 U	10 U	10 U	7 J	10 U	10 U	10 U	10 U	10 U	10
Carbon Disulfide	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chloroform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Butanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Trichloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Bromoform	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-Pentanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Hexanone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Toluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Styrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Xylene (total)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

SENECA ARMY DEPOT
EXPANDED SITE INSPECTIONS AT 15 SWMUs
QUALITY ASSURANCE \ QUALITY CONTROL RADIOACTIVITY ANALYSIS RESULTS

	MEDIA	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	SWMU	SEAD-12	SEAD-12	SEAD-12	SEAD-12	SEAD-63	SEAD-63	SEAD-64
	DATE SAMPLED	6/22/94	7/19/94	6/13/94	6/25/94	6/27/94	6/28/94	6/24/94
	ES ID	SD12A-1R	MW12B-1R	MW12B-1.03R	TP12B-3R	TP63-7R	TP63-11R	SB64D-3R
	LAB ID	255655	227879	224305	225668	225679	225823	225627
	UNITS	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE	RINSATE
Gross Alpha	pCi/L	1 ± 1	0 ± 1	1 ± 1	1 ± 1	0 ± 1	0 ± 1	1 ± 1
Gross Beta	pCi/L	2 ± 1	1 ± 1	2 ± 1	2 ± 1	7 ± 1	1 ± 1	23 ± 2
Tritium (Oxide)	pCi/mL	NA	-0.04 ± 0.21	NA	NA	NA	NA	NA
Gamma Spectral								
Lead-210 @ 46KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thorium-234 @ 63.3 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thorium-234 @ 92.6 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Radium-226 @ 186 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Lead-214 @ 295.2 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Lead-214 @ 352 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Bismuth-214 @ 609.4 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Bismuth-214 @ 1120.4 Ke	pCi/L	ND	ND	ND	ND	ND	ND	ND
Bismuth-214 @ 1764.7 Ke	pCi/L	ND	ND	ND	ND	ND	ND	ND
Actinium-228 @ 338 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Actinium-228 @ 911 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Actinium-228 @ 968 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Lead-212 @ 238 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Bismuth-212 @ 727 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thallium-208 @ 583 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Thallium-208 @ 860 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Uranium-235 @ 143.8 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Cesium-137 @ 661 KeV	pCi/L	ND	ND	ND	ND	ND	ND	ND
Potassium-40 @ 1460 KeV	pCi/L	-47 ± 56	ND	-1 ± 70	-3 ± 70	-22 ± 57	9 ± 75	-35 ± 68
Radon-226 @ 186 KeV	pCi/L	ND	ND	ND	ND	NA	NA	NA

APPENDIX F

TENTATIVELY IDENTIFIED COMPOUNDS

SDG FILE: 1F44410 DATE: MATRIX:
ES: SB60100
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60100	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1300	JX
B60100	112-53-	1-DODECANOL	220	JX
B60100	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	150	JX
B60100	57-10-	HEXADECANOIC ACID	450	JX
B60100	593-49-	HEPTACOSANE	180	JX
B60100	630-02-	OCTACOSANE	140	JX
B60100	630-03-	NONACOSANE	310	JX
B60100	192-97-	BENZO[E]PYRENE	200	JX
B60100	630-04-	HENTRIACONTANE	250	JX
B60100	83-48-	STIGMASTEROL	200	JX
B60100	559-70-	.BETA.-AMYRIN	130	JX
		TOTAL UNKNOWN TICS:	3050	
		TOTAL TICS	6580	

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB60101

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SB60101	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3600	BJ
SB60101	112-53-	1-DODECANOL	80	JX
SB60101	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	350	JX
SB60101	629-78-	HEPTADECANE	83	JX
SB60101	629-92-	NONADECANE W/ AROMATIC COMPO	76	JX
SB60101	57-10-	HEXADECANOIC ACID	280	JX
SB60101	593-49-	HEPTACOSANE	180	JX
SB60101	630-02-	OCTACOSANE	110	JX
SB60101	630-03-	NONACOSANE	200	JX
SB60101	630-04-	HENTRIACONTANE	130	JX
		TOTAL UNKNOWN TICS:	1274	
		TOTAL TICS	6363	

SDG FILE: 1E42510 DATE: MATRIX:
ES: SB60102

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SB60102	2958-76-	NAPHTHALENE, DECAHYDRO-2-MET	24	JX
		TOTAL UNKNOWN TICS:	349	
		TOTAL TICS	373	

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB60102
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SB60102	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3100	BJ
SB60102	112-53-	1-DODECANOL	120	JX
SB60102	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	330	JX
SB60102	57-10-	HEXADECANOIC ACID	220	JX
SB60102	638-67-	TRICOSANE	87	JX
SB60102	630-01-	HEXACOSANE	80	JX
SB60102	593-49-	HEPTACOSANE	180	JX
SB60102	630-02-	OCTACOSANE	83	JX
SB60102	630-03-	NONACOSANE	200	JX
SB60102	630-04-	HENTRIACONTANE	240	JX

TOTAL UNKNOWN TICS: 1201
TOTAL TICS 5841

SDG FILE: 1E42510 DATE: MATRIX:
ES: SB60120
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.

TOTAL UNKNOWN TICS: 6
TOTAL TICS 6

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB60120
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SB60120	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2900	BJ
SB60120	112-53-	1-DODECANOL	150	JX
SB60120	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	480	JX
SB60120	57-10-	HEXADECANOIC ACID	250	JX
SB60120	638-67-	TRICOSANE	95	JX
SB60120	593-49-	HEPTACOSANE W/ 1-TETRACOSANO	250	JX
SB60120	630-03-	NONACOSANE	270	JX
SB60120	630-04-	HENTRIACONTANE	300	JX

TOTAL UNKNOWN TICS: 1822
TOTAL TICS 6517

SDG FILE: 1F44410 DATE: MATRIX:
ES: SB60120
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60120	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2200	JX
B60120	112-53-	1-DODECANOL	160	JX
B60120	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	180	JX
B60120	57-10-	HEXADECANOIC ACID	530	JX
B60120	84-65-	9,10-ANTHRACENEDIONE W/EICOS	130	JX
B60120	238-84-	11H-BENZO[A]FLUORENE	140	JX
B60120	593-49-	HEPTACOSANE	240	JX
B60120	630-02-	OCTACOSANE	160	JX
B60120	630-03-	NONACOSANE	390	JX
B60120	192-97-	BENZO[E]PYRENE	340	JX
B60120	630-04-	HENTRIACONTANE	290	JX
B60120	559-70-	.BETA.-AMYRIN	130	JX

TOTAL UNKNOWN TICS: 3530
TOTAL TICS 8420

SDG FILE: 1F44410 DATE: MATRIX:
ES: SB60200

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60200	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	59000	BJ

TOTAL UNKNOWN TICS: 1021000
TOTAL TICS 1080000

SDG FILE: 1F44694 DATE: MATRIX:
ES: SB60202

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60202	593-49-7	Heptacosane	85	NJ
B60202	630-03-5	Nonacosane w/unknown	110	NJ

TOTAL UNKNOWN TICS: 2125
TOTAL TICS 2320

SDG FILE: 1E44665 DATE: MATRIX:
ES: SB60204

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60204	556-67-	CYCLOTETRASILOXANE, OCTAMETH	16	JX

TOTAL UNKNOWN TICS: 0
TOTAL TICS 16

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB60204
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60204	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5300	BJ
B60204	112-53-	1-DODECANOL	200	BJ
B60204	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	210	JX
B60204	57-10-	HEXADECANOIC ACID	200	JX
B60204	601-58-	STIGMASTANE	200	JX
B60204	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	3200	BJ

TOTAL UNKNOWN TICS: 2569
TOTAL TICS 11879

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB60204RE
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60204RE	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1800	BJ
B60204RE	629-78-	HEPTADECANE	110	JN
B60204RE	57-10-	HEXADECANOIC ACID	230	JX

TOTAL UNKNOWN TICS: 3650
TOTAL TICS 5790

SDG FILE: 1E44665 DATE: MATRIX:
ES: SB60220
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60220	5911-04-	NONANE, 3-METHYL-	51	JX
B60220	871-83-	NONANE, 2-METHYL-	87	JX
B60220	2847-72-	DECANE, 4-METHYL-	72	JX
B60220	1678-93-	CYCLOHEXANE, BUTYL-	54	JX

TOTAL UNKNOWN TICS: 482
TOTAL TICS 746

SDG FILE: 1E44665 DATE: MATRIX:
ES: SB60220RE

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60220RE	91-17-	NAPHTHALENE, DECAHYDRO- W/UN	26	JN

TOTAL UNKNOWN TICS: 198
TOTAL TICS 224

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB60220
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60220	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	51000	BJ
B60220	601-58-	STIGMASTANE	60000	JX

TOTAL UNKNOWN TICS: 1013000
TOTAL TICS 1124000

SDG FILE: 1E44665 DATE: MATRIX:
ES: SB60300
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60300	541-02-	CYCLOPENTASILOXANE, DECAMETH	9	JX

TOTAL UNKNOWN TICS: 0
TOTAL TICS 9

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB60300
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60300	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	13000	BJ

TOTAL UNKNOWN TICS: 213900
TOTAL TICS 226900

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB60300DL
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60300DL	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	18000	BD
B60300DL	74381-40-	PROPANOIC ACID, 3,3'-THIOBIS	12000	JX

TOTAL UNKNOWN TICS: 180000
TOTAL TICS 210000

SDG FILE: 1F44665 DATE: MATRIX:

ES: SB60300DL

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60300DL	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	18000	BD
B60300DL	74381-40-	PROPANOIC ACID, 3,3'-THIOBIS	12000	JX
		TOTAL UNKNOWN TICS:	180000	
		TOTAL TICS	210000	

SDG FILE: 1F44665 DATE: MATRIX:

ES: SB60303

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60303	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3400	BJ
B60303	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	110	JX
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	3510	

SDG FILE: 1F44665 DATE: MATRIX:

ES: SB60304

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B60304	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1800	BJ
B60304	112-53-	1-DODECANOL	74	JX
B60304	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	180	JX
		TOTAL UNKNOWN TICS:	380	
		TOTAL TICS	2434	

SDG FILE: 1F45257 DATE: MATRIX:

ES: MW601

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW601	629-62-9	Pentadecane	12	NJ
MW601	544-76-3	Hexadecane	29	NJ
MW601	629-78-7	Heptadecane	29	NJ
MW601	1921-70-6	Pentadecane, 2,6,10,14-tetra	10	NJ
MW601	593-45-3	Octadecane	2[illegible]	NJ
MW601	638-36-8	Hexadecane, 2,6,10,14-tetram	2 8	NJ
MW601	629-92-5	Nonadecane	23	NJ
MW601	112-95-8	Eicosane	13	NJ
MW601	629-94-7	Heneicosane	4	NJ
MW601	629-97-0	Docosane	6	NJ
MW601	638-67-5	Tricosane	5	NJ
MW601	646-31-1	Tetracosane	4	NJ
		TOTAL UNKNOWN TICS:	37	
		TOTAL TICS	219	

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW602
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	17	
		TOTAL TICS	17	

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW605
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW605	3622-84-2	Benzenesulfonamide, N-butyl-	8	NJ
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	8	

SDG FILE: 1F43663 DATE: MATRIX:
ES: SD601
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD601	57-10-3	Hexadecanoic acid	220	NJ
SD601	630-03-5	Nonacosane	230	NJ
SD601	630-04-6	Hentriacontane	210	NJ
		TOTAL UNKNOWN TICS:	2130	
		TOTAL TICS	2790	

SDG FILE: 1F43663 DATE: MATRIX:
ES: SD602
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD602	1002-84-2	Pentadecanoic acid	68[illegible]	NJ
SD602	57-10-3	Hexadecanoic acid	180[illegible]	NJ
SD602	630-03-5	Nonacosane	2000	NJ
SD602	630-04-6	Hentriacontane	2600	NJ
SD602	630-05-7	Tritriacontane	750	NJ
		TOTAL UNKNOWN TICS:	14030	
		TOTAL TICS	21860	

SDG FILE: 1E43663 DATE: MATRIX:
ES: SD603
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	8	
		TOTAL TICS	8	

SDG FILE: 1F43663 DATE: MATRIX:
ES: SD603
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD603	91-64-5	2H-1-Benzopyran-2-one	1400	NJ
SD603	57-10-3	Hexadecanoic acid	1600	NJ
SD603	630-03-5	Nonacosane	1700	NJ
SD603	630-04-6	Hentriacontane	1600	NJ
SD603	83-48-7	Stigmasterol	880	NJ
		TOTAL UNKNOWN TICS:	13900	
		TOTAL TICS	21080	

SDG FILE: 1F43663 DATE: MATRIX:
ES: SD605
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD605	3387-41-5	Bicyclo[3.1.0]hexane, 4-meth	470	NJ
SD605	630-06-8	Hexatriacontane	140	NJ
SD605	57-10-3	Hexadecanoic acid	1300	NJ
SD605	593-49-7	Heptacosane	430	NJ
SD605	630-03-5	Nonacosane	1400	NJ
SD605	630-04-6	Hentriacontane	1200	NJ
SD605	57-88-5	Cholesterol	420	NJ
		TOTAL UNKNOWN TICS:	7570	
		TOTAL TICS	12930	

SDG FILE: 1E44748 DATE: MATRIX:
ES: TP6211
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP6211	64-17-5	Ethanol	41	NJ
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	41	

SDG FILE: 1F44748 DATE: MATRIX:
ES: TP6211
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP6211	629-99-2	Pentacosane	450	NJ
TP6211	593-49-7	Heptacosane	380	NJ
TP6211	630-03-5	Nonacosane	640	NJ
TP6211	630-04-6	Hentriacontane	590	NJ
TP6211	630-05-7	Tritriacontane	320	NJ
TP6211	1058-61-3	Stigmast-4-en-3-one	650	NJ
		TOTAL UNKNOWN TICS:	9490	
		TOTAL TICS	12520	

SDG FILE: 1F44748 DATE: MATRIX:
ES: TP6221

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP6221	630-04-6	Hentriacontane	75	NJ
		TOTAL UNKNOWN TICS:	4270	
		TOTAL TICS	4345	

SDG FILE: 1F44748 DATE: MATRIX:
ES: TP6231

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP6231	271-89-6	Benzofuran w/unknown	450	NJ
TP6231	593-49-7	Heptacosane	350	NJ
TP6231	630-03-5	Nonacosane	1600	NJ
TP6231	630-04-6	Hentriacontane	2400	NJ
TP6231	630-05-7	Tritriacontane	820	NJ
		TOTAL UNKNOWN TICS:	7990	
		TOTAL TICS	13610	

SDG FILE: 1E45448 DATE: MATRIX:
ES: MW621
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	24	
		TOTAL TICS	24	

SDG FILE: 1F45448 DATE: MATRIX:
ES: MW621
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW621	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	58	BJ
MW621	57-10-	HEXADECANOIC ACID	2	JX
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	60	

SDG FILE: 1F45448 DATE: MATRIX:
ES: MW622
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW622	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	22	BJ
MW622	544-76-	HEXADECANE	4	JX
MW622	629-78-	HEPTADECANE	5	JX
MW622	593-45-	OCTADECANE	5	JX
MW622	629-92-	NONADECANE	4	JX
MW622	112-95-	EICOSANE	2	JX
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	42	

SDG FILE: 1F45448 DATE: MATRIX:
ES: MW623

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW623	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	24	BJ
MW623	629-62-	PENTADECANE	28	JX
MW623	544-76-	HEXADECANE	68	JX
MW623	629-78-	HEPTADECANE	94	JX
MW623	1921-70-	PENTADECANE, 2,6,10,14-TETRA	42	JX
MW623	54105-66-	CYCLOHEXANE, UNDECYL- W/ALKA	8	JX
MW623	593-45-	OCTADECANE	85	JX
MW623	638-36-	HEXADECANE, 2,6,10,14-TETRAM	19	JX
MW623	629-92-	NONADECANE	67	JX
MW623	112-95-	EICOSANE	36	JX
MW623	629-94-	HENEICOSANE	9	JX
MW623	629-97-	DOCOSANE	26	JX
MW623	638-67-	TRICOSANE	30	JX
MW623	646-31-	TETRACOSANE	18	JX
MW623	629-99-	PENTACOSANE	13	JX

TOTAL UNKNOWN TICS: 71
TOTAL TICS 638

SEAD-63

SDG FILE: 1F45058 DATE: MATRIX:
ES: TP631

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP631	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3800	BJ
TP631	112-53-	1-DODECANOL	250	BJ
TP631	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	140	JX
TP631	57-10-	HEXADECANOIC ACID	150	JN
TP631	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	400	BJ
TP631	78-51-	ETHANOL, 2-BUTOXY-, PHOSPHAT	210	JX
TP631	630-03-	NONACOSANE	380	JX
TP631	630-04-	HENTRIACONTANE	360	JX
		TOTAL UNKNOWN TICS:	8460	
		TOTAL TICS	14150	

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP632

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP632	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	13000	BJ
TP632	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	83	JX
		TOTAL UNKNOWN TICS:	869	
		TOTAL TICS	13952	

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP633
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP633	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	28000	BJ
TP633	78-51-	ETHANOL, 2-BUTOXY-, PHOSPHAT	1600	JX
		TOTAL UNKNOWN TICS:	15070	
		TOTAL TICS	44670	

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP634
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP634	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	15000	BJ
TP634	556-67-	CYCLOTETRASILOXANE, OCTAMETH	2000	JX
TP634	541-02-	CYCLOPENTASILOXANE, DECAMETH	2700	JX
TP634	540-97-	CYCLOHEXASILOXANE, DODECAMET	1600	JX
TP634	541-01-	HEPTASILOXANE, HEXADECAMETHY	370	JX
		TOTAL UNKNOWN TICS:	1960	
		TOTAL TICS	23630	

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP635

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP635	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	19000	BJ
TP635	112-53-	1-DODECANOL	91	JX
		TOTAL UNKNOWN TICS:	209	
		TOTAL TICS	19300	

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP636

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP636	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	28000	BJ
TP636	112-53-	1-DODECANOL	88	JX
TP636	57-10-	HEXADECANOIC ACID	160	JX
TP636	593-49-	HEPTACOSANE	110	JX
TP636	630-03-	NONACOSANE	290	JX
TP636	630-04-	HENTRIACONTANE	230	JX
		TOTAL UNKNOWN TICS:	1004	
		TOTAL TICS	29882	

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP637
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP637	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	20000	BJ
TP637	112-53-	1-DODECANOL	140	JX
		TOTAL UNKNOWN TICS:	390	
		TOTAL TICS	20530	

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP638

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP638	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3700	BJ
TP638	112-53-	1-DODECANOL	130	JX
TP638	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	150	JX
TP638	57-10-	HEXADECANOIC ACID	110	JX
TP638	661-19-	1-DOCOSANOL W/PENTACOSANE	100	JX
TP638	593-49-	HEPTACOSANE	94	JX
TP638	506-51-	1-TETRACOSANOL	140	JN
TP638	630-02-	OCTACOSANE W/ALIPHATIC AMIDE	110	JX
TP638	630-03-	NONACOSANE	570	JX
TP638	506-52-	1-HEXACOSANOL	290	JX
TP638	630-04-	HENTRIACONTANE	580	JX
TP638	630-05-	TRITRIACONTANE	150	JX

TOTAL UNKNOWN TICS: 1390
TOTAL TICS 7514

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP639

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP639	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3000	BJ
TP639	112-53-	1-DODECANOL	120	JX
TP639	661-19-	1-DOCOSANOL	110	JN
TP639	593-49-	HEPTACOSANE	200	JX
TP639	506-51-	1-TETRACOSANOL	180	JX
TP639	630-02-	OCTACOSANE	150	JN
TP639	630-03-	NONACOSANE	750	JN
TP639	506-52-	1-HEXACOSANOL	450	JX
TP639	630-04-	HENTRIACONTANE	650	JX
TP639	630-05-	TRITRIACONTANE	170	JX

TOTAL UNKNOWN TICS: 1664
TOTAL TICS 7444

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP6310
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP6310	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3600	BJ
TP6310	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	270	JX
TP6310	57-10-	HEXADECANOIC ACID	100	JX
TP6310	593-49-	HEPTACOSANE	83	JN
TP6310	630-03-	NONACOSANE	200	JX
TP6310	630-04-	HENTRIACONTANE	170	JX

TOTAL UNKNOWN TICS: 650
TOTAL TICS 5073

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP6311
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP6311	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3100	BJ
TP6311	112-53-	1-DODECANOL	100	JX
TP6311	57-10-	HEXADECANOIC ACID	110	JX
TP6311	638-67-	TRICOSANE	74	JX
TP6311	629-99-	PENTACOSANE	130	JX
TP6311	593-49-	HEPTACOSANE	230	JX
TP6311	630-03-	NONACOSANE	480	JX
TP6311	630-04-	HENTRIACONTANE	210	JN

TOTAL UNKNOWN TICS: 615
TOTAL TICS 5049

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP6312
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP6312	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5100	BJ
TP6312	112-53-	1-DODECANOL	110	JX
TP6312	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	400	JX

TOTAL UNKNOWN TICS: 1180
TOTAL TICS 6790

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP6357
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP6357	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	16000	BJ
TP6357	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	96	JX

TOTAL UNKNOWN TICS: 269
TOTAL TICS 16365

SDG FILE: 1F45062 DATE: MATRIX:
ES: TP63511
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
P63511	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2300	BJ
P63511	112-53-	1-DODECANOL	120	JX
P63511	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	90	JX
P63511	57-10-	HEXADECANOIC ACID	210	JX
P63511	629-99-	PENTACOSANE	120	JX
P63511	593-49-	HEPTACOSANE	230	JX
P63511	630-03-	NONACOSANE	600	JX
P63511	630-04-	HENTRIACONTANE	420	JX

TOTAL UNKNOWN TICS: 1255
TOTAL TICS 5345

SDG FILE: 1F45282 DATE: MATRIX:
ES: MW631
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW631	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	22	BJ
MW631	131-57-	METHANONE, (2-HYDROXY-4-METH	2	JX

TOTAL UNKNOWN TICS: 0
TOTAL TICS 24

SDG FILE: 1F45282 DATE: MATRIX:
ES: MW632
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW632	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	14	BJ

TOTAL UNKNOWN TICS: 130
TOTAL TICS 144

SDG FILE: 1F45282 DATE: MATRIX:
ES: MW633
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW633	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	47	BJ
MW633	74367-33-	PROPANOIC ACID, 2-METHYL-, 2	16	JX
MW633	74367-34-	PROPANOIC ACID, 2-METHYL-, 3	88	JX
		TOTAL UNKNOWN TICS:	199	
		TOTAL TICS	350	

SDG FILE: 1F44745 DATE: MATRIX:
ES: SW631
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SW631	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	10	BJ
		TOTAL UNKNOWN TICS:	7	
		TOTAL TICS	17	

SDG FILE: 1F44745 DATE: MATRIX:
ES: SW632

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SW632	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	12	BJ
SW632	123-08-	BENZALDEHYDE, 4-HYDROXY-	5	JX
SW632	544-63-	TETRADECANOIC ACID	7	JX
SW632	57-10-	HEXADECANOIC ACID	42	JX
SW632	57-11-	OCTADECANOIC ACID	8	JX
SW632	629-99-	PENTACOSANE	6	JX
SW632	593-49-	HEPTACOSANE	7	JX
SW632	630-03-	NONACOSANE	11	JX
SW632	506-52-	1-HEXACOSANOL	65	JX
SW632	630-04-	HENTRIACONTANE	10	JX
		TOTAL UNKNOWN TICS:	1[illegible]	
		TOTAL TICS	291	

SDG FILE: 1F44745 DATE: MATRIX:
ES: SW633

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SW633	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	12	BJ
		TOTAL UNKNOWN TICS:	3	
		TOTAL TICS	15	

SDG FILE: 1F44745 DATE: MATRIX:
ES: SW634
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SW634	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	14	BJ
SW634	506-52-	1-HEXACOSANOL	2	JX
		TOTAL UNKNOWN TICS:	3	
		TOTAL TICS	19	

SDG FILE: 1E44748 DATE: MATRIX:
ES: SD631
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD631	121-43-7	Boric acid, trimethyl ester	8	NJ
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	8	

SDG FILE: 1F44748 DATE: MATRIX:
ES: SD631
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD631	57-10-3	Hexadecanoic acid	420	NJ
SD631	629-99-2	Pentacosane	370	NJ
SD631	593-49-7	Heptacosane	440	NJ
SD631	630-03-5	Nonacosane	1300	NJ
SD631	630-04-6	Hentriacontane	1600	NJ
SD631	57-88-5	Cholesterol	530	NJ
SD631	83-48-7	Stigmasterol	700	NJ
SD631	1058-61-3	Stigmast-4-en-3-one	960	NJ
		TOTAL UNKNOWN TICS:	8150	
		TOTAL TICS	14470	

SDG FILE: 1F44748 DATE: MATRIX:
ES: SD632
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD632	629-99-2	Pentacosane	890	NJ
SD632	693-49-7	Heptacosane	860	NJ
SD632	630-03-5	Nonacosane	2500	NJ
SD632	630-04-6	Hentriacontane	2800	NJ
SD632	57-88-5	Cholesterol	3400	NJ
SD632	83-48-7	Stigmasterol	1400	NJ
SD632	1058-61-3	Stigmast-4-en-3-one	1400	NJ
		TOTAL UNKNOWN TICS:	18110	
		TOTAL TICS	31360	

SDG FILE: 1F44748 DATE: MATRIX:
ES: SD633
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD633	629-78-7	Heptadecane	140	NJ
SD633	544-63-8	Tetradecanoic acid	160	NJ
SD633	57-10-3	Hexadecanoic acid	380	NJ
SD633	593-49-7	Heptacosane	170	NJ
SD633	630-03-5	Nonacosane	410	NJ
SD633	630-04-6	Hentriacontane	410	NJ
SD633	57-88-5	Cholesterol	270	NJ
SD633	630-05-7	Tritriacontane	190	NJ
		TOTAL UNKNOWN TICS:	4070	
		TOTAL TICS	6200	

SDG FILE: 1F44748 DATE: MATRIX:
ES: SD634

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD634	57-10-3	Hexadecanoic acid	960	NJ
SD634	593-49-7	Heptacosane	720	NJ
SD634	630-03-5	Nonacosane	2300	NJ
SD634	192-97-2	Benzo[e]pyrene	880	NJ
SD634	630-04-6	Hentriacontane	2900	NJ
SD634	57-88-5	Cholesterol	960	NJ
SD634	83-48-7	Stigmasterol	1200	NJ
SD634	1058-61-3	Stigmast-4-en-3-one	1700	NJ
		TOTAL UNKNOWN TICS:	17200	
		TOTAL TICS	28820	

SEAD-64A

SDG FILE: 1F43257 DATE: MATRIX:
ES: SB64A100
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A100	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3100	BJ
64A100	91-64-	2H-1-BENZOPYRAN-2-ONE	270	JX
64A100	1002-84-	PENTADECANOIC ACID	180	JX
64A100	57-10-	HEXADECANOIC ACID	640	BJ
64A100	57-11-	OCTADECANOIC ACID	290	BJ
64A100	593-49-	HEPTACOSANE	400	JX
64A100	630-02-	OCTACOSANE	290	JX
64A100	630-03-	NONACOSANE	1900	JX
64A100	630-04-	HENTRIACONTANE	2100	JX
64A100	630-05-	TRITRIACONTANE	540	JX
		TOTAL UNKNOWN TICS:	4180	
		TOTAL TICS	13890	

SDG FILE: 1F44410 DATE: MATRIX:
ES: SB64A100
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A100	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3800	JX
64A100	2531-84-	PHENANTHRENE, 2-METHYL-	790	JX
64A100	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	1300	JX
64A100	57-10-	HEXADECANOIC ACID	1000	JX
64A100	238-84-	11H-BENZO[A]FLUORENE	2200	JX
64A100	2381-21-	PYRENE, 1-METHYL-	1200	JX
64A100	239-35-	BENZO[B]NAPHTHO[2,1-D]THIOPH	920	JX
64A100	203-12-	BENZO[GHI]FLUORANTHENE W/PA	1500	JX
64A100	593-49-	HEPTACOSANE	1000	JX
64A100	630-03-	NONACOSANE	3300	JX
64A100	192-97-	BENZO[E]PYRENE	1900	JX
64A100	198-55-	PERYLENE	1200	JX
64A100	630-04-	HENTRIACONTANE W/PAH	2600	JX
		TOTAL UNKNOWN TICS:	9490	
		TOTAL TICS	32200	

SDG FILE: 1F43257 DATE: MATRIX:
ES: SB64A102
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A102	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2700	BJ
64A102	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	130	JX
64A102	57-10-	HEXADECANOIC ACID	130	BJ
64A102	630-03-	NONACOSANE	380	JX
64A102	630-04-	HENTRIACONTANE	380	JX

TOTAL UNKNOWN TICS: 462
TOTAL TICS 4182

SDG FILE: 1F44410 DATE: MATRIX:
ES: SB64A102
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A102	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1100	JX
64A102	112-53-	1-DODECANOL	170	JX
64A102	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	120	JX
64A102	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	89	JX
64A102	832-69-	PHENANTHRENE, 1-METHYL- W/ME	85	JX
64A102	57-10-	HEXADECANOIC ACID	150	JX
64A102	238-84-	11H-BENZO[A]FLUORENE	110	JX
64A102	506-51-	1-TETRACOSANOL	220	JX
64A102	630-03-	NONACOSANE	480	JX
64A102	506-52-	1-HEXACOSANOL	140	JX
64A102	192-97-	BENZO[E]PYRENE	140	JX
64A102	630-04-	HENTRIACONTANE	700	JX
64A102	630-05-	TRITRICONTANE	150	JX

TOTAL UNKNOWN TICS: 1215
TOTAL TICS 4869

SDG FILE: 1F43257 DATE: MATRIX:
ES: SB64A103
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A103	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2100	BJ
64A103	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	100	JX

TOTAL UNKNOWN TICS: 189
TOTAL TICS 2389

SDG FILE: 1F44410 DATE: MATRIX:
ES: SB64A104
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A104	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1100	JX
64A104	112-53-	1-DODECANOL	200	JX
64A104	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	110	JX
64A104	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	110	JX
		TOTAL UNKNOWN TICS:	340	
		TOTAL TICS	1860	

SDG FILE: 1F44725 DATE: MATRIX:
ES: SB64A200
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A200	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	12000	BJ
64A200	2531-84-	PHENANTHRENE, 2-METHYL- W/HE	950	JX
64A200	57-10-	HEXADECANOIC ACID W/ANTHRACE	870	JX
64A200	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	1200	JX
64A200	238-84-	11H-BENZO[A]FLUORENE	1900	JX
64A200	243-17-	11H-BENZO[B]FLUORENE	1100	JX
64A200	2381-21-	PYRENE, 1-METHYL- W/AROMATIC	900	JX
64A200	195-19-	BENZO[C]PHENANTHRENE	780	JX
64A200	630-03-	NONACOSANE	2000	BJ
64A200	192-97-	BENZO[E]PYRENE	3800	JX
64A200	198-55-	PERYLENE	1700	JX
64A200	630-04-	HENTRIACONTANE	1700	BJ
		TOTAL UNKNOWN TICS:	12460	
		TOTAL TICS	41360	

SDG FILE: 1F44725 DATE: MATRIX:
ES: SB64A202
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A202	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	14000	BJ
64A202	90-12-	NAPHTHALENE, 1-METHYL-	2500	JX
64A202	581-42-	NAPHTHALENE, 2,6-DIMETHYL-	1500	JX
64A202	575-41-	NAPHTHALENE, 1,3-DIMETHYL-	2200	JX
64A202	575-43-	NAPHTHALENE, 1,6-DIMETHYL-	1600	JX
64A202	132-65-	DIBENZOTHIOPHENE	2100	JX
64A202	832-71-	PHENANTHRENE, 3-METHYL-	3700	JX
64A202	2531-84-	PHENANTHRENE, 2-METHYL-	4500	JX
64A202	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	5100	JX
64A202	832-69-	PHENANTHRENE, 1-METHYL-	2700	JX
64A202	238-84-	11H-BENZO[A]FLUORENE	2800	JX
64A202	243-17-	11H-BENZO[B]FLUORENE	1600	JX
64A202	2381-21-	PYRENE, 1-METHYL-	1900	JX
64A202	192-97-	BENZO[E]PYRENE	2700	JX

TOTAL UNKNOWN TICS: 12300
TOTAL TICS 61200

SDG FILE: 1F44725 DATE: MATRIX:
ES: SB64A203
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A203	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1600	BJ
64A203	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	180	BJ
64A203	630-03-	NONACOSANE W/BENZO[K]FLUORAN	190	BJ
64A203	630-04-	HENTRIACONTANE	180	BJ

TOTAL UNKNOWN TICS: 187
TOTAL TICS 2337

SDG FILE: 1F44725 DATE: MATRIX:
ES: SB64A300
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A300	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1800	BJ
64A300	57-10-	HEXADECANOIC ACID	900	JX
64A300	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	370	JX
64A300	238-84-	11H-BENZO[A]FLUORENE	440	JX
64A300	593-49-	HEPTACOSANE	400	JX
64A300	506-51-	1-TETRACOSANOL W/PAH	450	JX
64A300	630-03-	NONACOSANE	2000	BJ
64A300	506-52-	1-HEXACOSANOL	2600	JX
64A300	192-97-	BENZO[E]PYRENE	820	JX
64A300	198-55-	PERYLENE	420	JX
64A300	630-04-	HENTRIACONTANE	2400	BJ
64A300	630-05-	TRITRIACONTANE	600	JX

TOTAL UNKNOWN TICS: 4850
TOTAL TICS 18050

SDG FILE: 1E44748 DATE: MATRIX:
ES: SB64A301
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.

TOTAL UNKNOWN TICS: 6
TOTAL TICS 6

SDG FILE: 1F44748 DATE: MATRIX:
ES: SB64A301
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A301	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	4700	BJ
64A301	112-53-	1-DODECANOL	8	BJ
64A301	57-10-	HEXADECANOIC ACID	11	JX
64A301	506-51-	1-TETRACOSANOL	230	JX
64A301	630-03-	NONACOSANE	260	JX
64A301	506-52-	1-HEXACOSANOL	290	JX
64A301	630-04-	HENTRIACONTANE	350	JX
64A301	630-05-	TRITRIACONTANE W/CYCLOALKANE	98	JX

TOTAL UNKNOWN TICS: 481
TOTAL TICS 6602

SDG FILE: 1E44748 DATE: MATRIX:
ES: SB64A302
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	8	
		TOTAL TICS	8	

SDG FILE: 1F44748 DATE: MATRIX:
ES: SB64A302
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64A302	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2900	BJ
64A302	112-53-	1-DODECANOL	130	BJ
		TOTAL UNKNOWN TICS:	453	
		TOTAL TICS	3483	

SDG FILE: 1F45448 DATE: MATRIX:
ES: MW64A1

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64A1	123-42-	2-PENTANONE, 4-HYDRXOY-4-MET	30	BJ
MW64A1	74367-34-	PROPANOIC ACID, 2-METHYL-, 3	3	BJ
MW64A1	791-28-	PHOSPHINE OXIDE, TRIPHENYL-	5	JX
		TOTAL UNKNOWN TICS:	9	
		TOTAL TICS	47	

SDG FILE: 1F45448 DATE: MATRIX:
ES: MW64A2

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64A2	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	21	BJ
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	21	

SEAD-64B

SDG FILE: 1E44090 DATE: MATRIX:
ES: SB64B100

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B100	5989-27-5	D-Limonene	67	NJ
		TOTAL UNKNOWN TICS:	19	
		TOTAL TICS	86	

SDG FILE: 1F44090 DATE: MATRIX:
ES: SB64B100

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B100	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	10000	BJ
64B100	112-53-	1-DODECANOL	190	JX
		TOTAL UNKNOWN TICS:	370	
		TOTAL TICS	10560	

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB64B100

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B100	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2100	BJ
64B100	57-10-	HEXADECANOIC ACID	660	JX
64B100	511-15-	2-PHENANTHRENOL, 4B,5,6,7,8,	960	JX
64B100	629-99-	PENTACOSANE W/1-DOCOSANOL	270	JX
64B100	480-39-	4H-1-BENZOPYRAN-4-ONE, 2,3-D	1800	JX
64B100	593-49-	HEPTACOSANE	400	JX
64B100	480-40-	CHRYSIN	1100	JX
64B100	630-03-	NONACOSANE	2100	JX
64B100	506-52-	1-HEXACOSANOL W/UNKNOWN	960	JX
64B100	630-04-	HENTRIACONTANE	710	JX
64B100	57-88-	CHOLESTEROL	340	JX
		TOTAL UNKNOWN TICS:	9860	
		TOTAL TICS	21260	

SDG FILE: 1F44090 DATE: MATRIX:
ES: SB64B103

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B103	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	8800	BJ
64B103	123-96-	2-OCTANOL	1300	JX
64B103	138-86-	LIMONENE W/2-ETHYL-1-HEXANOL	510	JX
64B103	112-72-	1-TETRADECANOL	850	JX
64B103	544-63-	TETRADECANOIC ACID	570	JX
64B103	1002-84-	PENTADECANOIC ACID	520	JX
64B103	36653-82-	1-HEXADECANOL	520	JX
64B103	57-10-	HEXADECANOIC ACID	2400	JX
64B103	57-11-	OCTADECANOIC ACID	1400	JX
64B103	630-03-	NONACOSANE	1200	JX
64B103	506-52-	1-HEXACOSANOL	640	JX
64B103	630-05-	HENTRIACONTANE	1500	JX
		TOTAL UNKNOWN TICS:	7860	
		TOTAL TICS	28070	

SDG FILE: 1F44090 DATE: MATRIX:
ES: SB64B104
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B104	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	6900	JN
64B104	112-53-	1-DODECANOL	120	JX
64B104	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	330	BJ
		TOTAL UNKNOWN TICS:	320	
		TOTAL TICS	7670	

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB64B105
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B105	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2900	BJ
64B105	112-53-	1-DODECANOL	110	JX
64B105	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	180	JX
64B105	630-03-	NONACOSANE	100	JX
		TOTAL UNKNOWN TICS:	325	
		TOTAL TICS	3615	

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB64B106
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B106	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3300	BJ
64B106	112-53-	1-DODECANOL	120	JX
64B106	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	180	JX

TOTAL UNKNOWN TICS: 0
TOTAL TICS 3600

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB64B200
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B200	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2600	BJ
64B200	119-36-	BENZOIC ACID, 2-HYDROXY-, ME	140	JX
64B200	57-10-	HEXADECANOIC ACID	500	JX
64B200	629-99-	PENTACOSANE	160	JX
64B200	593-49-	HEPTACOSANE	300	JN
64B200	630-02-	OCTACOSANE	210	JX
64B200	630-03-	NONACOSANE	1400	JX
64B200	506-52-	1-HEXACOSANOL	700	JX
64B200	630-04-	HENTRIACONTANE	1000	JX
64B200	57-88-	CHOLESTEROL	140	JX
64B200	630-05-	TRITRIACONTANE	240	JX
64B200	83-48-	STIGMASTEROL	230	JX

TOTAL UNKNOWN TICS: 3870
TOTAL TICS 11490

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB64B206
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B206	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2100	BJ
64B206	112-53-	1-DODECANOL	96	JX
64B206	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	230	JX
64B206	630-04-	HENTRIACONTANE	110	JX

TOTAL UNKNOWN TICS: 584
TOTAL TICS 3120

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB64B207
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B207	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3600	BJ
64B207	112-53-	1-DODECANOL	110	JX
64B207	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	75	JX
		TOTAL UNKNOWN TICS:	110	
		TOTAL TICS	3895	

SDG FILE: 1F44665 DATE: MATRIX:
ES: SB64B300
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B300	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3200	BJ
64B300	112-53-	1-DODECANOL	160	JX
64B300	57-10-	HEXADECANOIC ACID	240	JX
64B300	629-99-	PENTACOSANE W/1-DOCOSANOL	310	JX
64B300	593-49-	HEPTACOSANE	710	JX
64B300	630-02-	OCTACOSANE	230	JX
64B300	630-03-	NONACOSANE	2800	JX
64B300	506-52-	1-HEXACOSANOL	1300	JX
64B300	630-04-	HENTRIACONTANE	910	JX
64B300	630-05-	TRITRIACONTANE	200	JX
		TOTAL UNKNOWN TICS:	2910	
		TOTAL TICS	12970	

SDG FILE: 1F44694 DATE: MATRIX:
ES: SB64B305
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64B305	630-03-5	Nonacosane	190	NJ
64B305	630-04-6	Hentriacontane	150	NJ
		TOTAL UNKNOWN TICS:	836	
		TOTAL TICS	1176	

SDG FILE: 1F44694 DATE: MATRIX:
ES: SB64B308
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	1320	
		TOTAL TICS	1320	

SDG FILE: 1F45282 DATE: MATRIX:
ES: MW64B1
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64B1	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	19	BJ
		TOTAL UNKNOWN TICS:	20	
		TOTAL TICS	39	

SDG FILE: 1F45282 DATE: MATRIX:
ES: MW64B2
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64B2	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	11	BJ
MW64B2	74367-34-	PROPANOIC ACID, 2-METHYL-, 3	2	JX
		TOTAL UNKNOWN TICS:	18	
		TOTAL TICS	31	

SDG FILE: 1E45282 DATE: MATRIX:
ES: MW64B3
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64B3	75-45-	METHANE, CHLORODIFLUORO-	5	JX
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	5	

SDG FILE: 1F45282 DATE: MATRIX:
ES: MW64B3
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64B3	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	10	BJ
MW64B3	544-76-	HEXADECANE	6	JX
MW64B3	629-78-	HEPTADECANE	10	JX
MW64B3	1921-70-	PENTADECANE, 2,6,10,14-TETRA	5	JX
MW64B3	593-45-	OCTADECANE	10	JX
MW64B3	638-36-	HEXADECANE, 2,6,10,14-TETRAM	3	JX
MW64B3	629-92-	NONADECANE	9	JX
MW64B3	57-10-	HEXADECANOIC ACID	2	BJ
MW64B3	112-95-	EICOSANE	7	JX
		TOTAL UNKNOWN TICS:	31	
		TOTAL TICS	93	

SDG FILE: 1F43626 DATE: MATRIX:
ES: SW64B1
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	6	
		TOTAL TICS	6	

SDG FILE: 1F43626 DATE: MATRIX:
ES: SW64B2
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	3	
		TOTAL TICS	3	

SDG FILE: 1F43543 DATE: MATRIX:
ES: SD64B1
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD64B1	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2900	BJ
SD64B1	112-53-	1-DODECANOL	250	JX
SD64B1	57-10-	HEXADECANOIC ACID	480	JX
SD64B1	661-19-	1-DOCOSANOL W/PENTACOSANE	390	JX
SD64B1	593-49-	HEPTACOSANE	170	JX
SD64B1	506-51-	1-TETRACOSANOL	170	JX
SD64B1	630-03-	NONACOSANE	740	JX
SD64B1	506-52-	1-HEXACOSANOL	170	JX
SD64B1	630-04-	HENTRIACONTANE	880	JX
SD64B1	630-05-	TRITRIACONTANE	230	JX
		TOTAL UNKNOWN TICS:	6350	
		TOTAL TICS	12730	

SDG FILE: 1F43543 DATE: MATRIX:
ES: SD64B2
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD64B2	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5000	BJ
SD64B2	112-53-	1-DODECANOL	310	JX
SD64B2	57-10-	HEXADECANOIC ACID	650	JX
SD64B2	57-11-	OCTADECANOIC ACID	520	JX
SD64B2	593-49-	HEPTACOSANE	220	JX
SD64B2	630-03-	NONACOSANE	1800	JX
SD64B2	630-04-	HENTRIACONTANE	1600	JX
		TOTAL UNKNOWN TICS:	19950	
		TOTAL TICS	30050	

SDG FILE: 1F43543 DATE: MATRIX:
ES: SD64B3
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD64B3	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2700	BJ
SD64B3	112-53-	1-DODECANOL	230	JX
SD64B3	57-10-	HEXADECANOIC ACID	430	JX
SD64B3	661-19-	1-DOCOSANOL	640	JX
SD64B3	593-49-	HEPTACOSANE	190	JX
SD64B3	506-51-	1-TETRACOSANOL	180	JX
SD64B3	630-03-	NONACOSANE	770	JX
SD64B3	630-04-	HENTRIACONTANE	790	JX
SD64B3	630-05-	TRITRIACONTANE	200	JX
		TOTAL UNKNOWN TICS:	4890	
		TOTAL TICS	11020	

SDG FILE: 1F43257 DATE: MATRIX:
ES: SB64C1
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64C1	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2000	BJ
64C1	1120-21-	UNDECANE	89	JX
64C1	57-10-	HEXADECANOIC ACID	110	JX
64C1	10544-50-	SULFUR, MOL. (S8)	1400	JX
64C1	630-03-	NONACOSANE	120	JX
64C1	630-04-	HENTRIACONTANE	120	JX

TOTAL UNKNOWN TICS: 4257
TOTAL TICS 8096

SDG FILE: 1F43257 DATE: MATRIX:
ES: SB64C1RRE
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64C1RRE	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	11	BJ

TOTAL UNKNOWN TICS: 0
TOTAL TICS 11

SDG FILE: 1E43257 DATE: MATRIX:
ES: SB64C2
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64C2	80-56-8	.alpha.-Pinene	64	NJ
64C2	79-92-5	Camphene	12	NJ
64C2	127-91-3	.beta.-Pinene	10	NJ
64C2	123-35-3	.beta.-Myrcene	9	NJ
64C2	5989-27-5	D-Limonene	240	NJ

TOTAL UNKNOWN TICS: 9
TOTAL TICS 344

SDG FILE: 1F43257 DATE: MATRIX:
ES: SB64C2
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64C2	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	4600	BJ
64C2	1120-21-	UNDECANE	590	JX
64C2	593-08-	2-TRIDECANONE	210	JX
64C2	57-10-	HEXADECANOIC ACID	390	JX
64C2	593-49-	HEPTACOSANE	220	JX
64C2	630-03-	NONACOSANE	1700	JX
64C2	630-04-	HENTRIACONTANE	1900	JX
64C2	630-05-	TRITRIACONTANE	400	JX

TOTAL UNKNOWN TICS: 4400
TOTAL TICS 14410

SDG FILE: 1E43257 DATE: MATRIX:
ES: SB64C3
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64C3	80-56-8	.alpha.-Pinene	8	NJ

TOTAL UNKNOWN TICS: 0
TOTAL TICS 8

SDG FILE: 1F43257 DATE: MATRIX:
ES: SB64C3
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64C3	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2900	BJ
64C3	57-10-	HEXADECANOIC ACID	660	JX
64C3	57-11-	OCTADECANOIC ACID	2100	JX
64C3	593-49-	HEPTACOSANE	200	JX
64C3	630-03-	NONACOSANE	120	JX
64C3	506-52-	1-HEXACOSANOL	28	JX
64C3	630-04-	HENTRIACONTANE	1400	JX
64C3	630-05-	TRITRIACONTANE	270	JX

TOTAL UNKNOWN TICS: 4300
TOTAL TICS 13310

SDG FILE: 1F43257 DATE: MATRIX:
ES: SB64C20
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64C20	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3500	BJ
64C20	57-10-	HEXADECANOIC ACID	140	JX
64C20	630-03-	NONACOSANE	180	JX
64C20	630-04-	HENTRIACONTANE	180	JX

TOTAL UNKNOWN TICS: 550
TOTAL TICS 4550

SDG FILE: 1E44725 DATE: MATRIX:
ES: TP64C11
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
P64C11	541-02-	CYCLOPENTASILOXANE, DECAMETH	8	JX

TOTAL UNKNOWN TICS: 0
TOTAL TICS 8

SDG FILE: 1F44725 DATE: MATRIX:
ES: TP64C11
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
P64C11	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	6600	BJ
P64C11	112-53-	1-DODECANOL	150	BJ
P64C11	593-49-	HEPTACOSANE	110	JX
P64C11	630-03-	NONACOSANE	990	JX
P64C11	630-04-	HENTRIACONTANE	310	JX

TOTAL UNKNOWN TICS: 330
TOTAL TICS 8490

SDG FILE: 1F44725 DATE: MATRIX:
ES: TP64C12
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
P64C12	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	9500	BJ
P64C12	112-53-	1-DODECANOL	89	BJ
P64C12	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	440	JX

TOTAL UNKNOWN TICS: 78
TOTAL TICS 10107

SDG FILE: 1F44725 DATE: MATRIX:
ES: TP64C21
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
P64C21	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	6100	BJ
P64C21	112-53-	1-DODECANOL	120	BJ
		TOTAL UNKNOWN TICS:	79	
		TOTAL TICS	6299	

SDG FILE: 1F44725 DATE: MATRIX:
ES: TP64C22
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
P64C22	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	6000	BJ
P64C22	112-53-	1-DODECANOL	170	BJ
P64C22	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	170	JX
		TOTAL UNKNOWN TICS:	930	
		TOTAL TICS	7270	

SDG FILE: 1F44725 DATE: MATRIX:
ES: TP64C31
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
P64C31	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	6500	BJ
P64C31	112-53-	1-DODECANOL	120	BJ
P64C31	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	620	JX
P64C31	630-03-	NONACOSANE	92	JX
P64C31	630-04-	HENTRIACONTANE	100	JX
		TOTAL UNKNOWN TICS:	92	
		TOTAL TICS	7524	

SDG FILE: 1F44725 DATE: MATRIX:
ES: TP64C32
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
P64C32	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	12000	BJ
P64C32	112-53-	1-DODECANOL	150	BJ
P64C32	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	520	JX
		TOTAL UNKNOWN TICS:	360	
		TOTAL TICS	13030	

SDG FILE: 1F45282 DATE: MATRIX:
ES: MW64C1
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64C1	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	19	BJ
MW64C1	74367-34-	PROPANOIC ACID, 2-METHYL-, 3	6	JX

TOTAL UNKNOWN TICS: 16
TOTAL TICS 41

SDG FILE: 1E45448 DATE: MATRIX:
ES: MW64C6
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64C6	556-67-	CYCLOTETRASILOXANE, OCTAMETH	11	JX

TOTAL UNKNOWN TICS: 0
TOTAL TICS 11

SDG FILE: 1F45448 DATE: MATRIX:
ES: MW64C6

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64C6	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	34	BJ

TOTAL UNKNOWN TICS: 0
TOTAL TICS 34

SDG FILE: 1E45448 DATE: MATRIX:
ES: MW64C7

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64C7	75-45-	METHANE, CHLORODIFLUORO-	16	JX

TOTAL UNKNOWN TICS: 0
TOTAL TICS 16

SDG FILE: 1F45448 DATE: MATRIX:
ES: MW64C7

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64C7	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	54	BJ
MW64C7	57-10-	HEXADECANOIC ACID	3	JX

TOTAL UNKNOWN TICS: 0
TOTAL TICS 57

SDG FILE: 1F45448 DATE: MATRIX:
ES: MW64C8
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64C8	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	45	BJ
MW64C8	544-76-	HEXADECANE	5	JX
MW64C8	629-78-	HEPTADECANE	9	JX
MW64C8	1921-70-	PENTADECANE, 2,6,10,14-TETRA	3	JX
MW64C8	593-45-	OCTADECANE	8	JX
MW64C8	629-92-	NONADECANE	6	JX
MW64C8	57-10-	HEXADECANOIC ACID	6	BJ
MW64C8	112-95-	EICOSANE	3	JX
		TOTAL UNKNOWN TICS:	108	
		TOTAL TICS	193	

SDG FILE: 1F45282 DATE: MATRIX:
ES: MW64C-9 (also labelled MW-9)
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW9	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	16	BJ
MW9	112-05-	NONANOIC ACID	2	JX
MW9	74367-33-	PROPANOIC ACID, 2-METHYL-, 2	6	JX
MW9	74367-34-	PROPANOIC ACID, 2-METHYL-, 3	13	JX
MW9	544-76-	HEXADECANE	4	JX
MW9	119-61-	BENZOPHENONE	3	JX
MW9	629-78-	HEPTADECANE	6	JX
MW9	1921-70-	PENTADECANE, 2,6,10,14-TETRA	3	JX
MW9	544-63-	TETRADECANOIC ACID	3	JX
MW9	593-45-	OCTADECANE	6	JX
MW9	629-92-	NONADECANE	4	JX
MW9	57-10-	HEXADECANOIC ACID	11	BJ
MW9	112-95-	EICOSANE	3	JX
MW9	112-92-	1-OCTADECANOL	5	JX
		TOTAL UNKNOWN TICS:	48	
		TOTAL TICS	133	

SDG FILE: 1F43535 DATE: MATRIX:
ES: SS64D1
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SS64D1	57-10-3	Hexadecanoic acid	210	NJ
SS64D1	593-49-7	Heptacosane	98	NJ
SS64D1	630-03-5	Nonacosane	190	NJ
SS64D1	630-04-6	Hentriacontane	230	NJ
		TOTAL UNKNOWN TICS:	1560	
		TOTAL TICS	2288	

SDG FILE: 1F43535 DATE: MATRIX:
ES: SS64D2
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SS64D2	629-78-7	Heptadecane	240	NJ
SS64D2	57-10-3	Hexadecanoic acid	510	NJ
SS64D2	593-49-7	Heptacosane	150	NJ
SS64D2	630-03-5	Nonacosane	390	NJ
SS64D2	630-04-6	Hentriacontane	290	NJ
		TOTAL UNKNOWN TICS:	2480	
		TOTAL TICS	4060	

SDG FILE: 1F43535 DATE: MATRIX:
ES: SS64D3
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SS64D3	57-10-3	Hexadecanoic acid	470	NJ
SS64D3	630-03-5	Nonacosane	230	NJ
SS64D3	630-04-6	Hentriacontane	250	NJ
		TOTAL UNKNOWN TICS:	2046	
		TOTAL TICS	2996	

SDG FILE: 1F43535 DATE: MATRIX:
ES: SS64D4
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SS64D4	57-10-3	Hexadecanoic acid	87	NJ
SS64D4	630-03-5	Nonacosane	130	NJ
SS64D4	630-04-6	Hentriacontane	180	NJ
		TOTAL UNKNOWN TICS:	992	
		TOTAL TICS	1389	

SDG FILE: 1F43535 DATE: MATRIX:
ES: SS64D5
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SS64D5	630-03-5	Nonacosane	110	NJ
SS64D5	630-04-6	Hentriacontane	98	NJ

TOTAL UNKNOWN TICS: 833
TOTAL TICS 1041

SDG FILE: 1E44799 DATE: MATRIX:
ES: SB64D100
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D100	556-67-	CYCLOTETRASILOXANE, OCTAMETH	63	BJ
64D100	541-02-	CYCLOPENTASILOXANE, DECAMETH	160	BJ

TOTAL UNKNOWN TICS: 0
TOTAL TICS 223

SDG FILE: 1F44799 DATE: MATRIX:
ES: SB64D100

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D100	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1600	BJ
64D100	629-78-	HEPTADECANE	190	JX
64D100	57-10-	HEXADECANOIC ACID	720	JN
64D100	638-67-	TRICOSANE	170	JX
64D100	646-31-	TETRACOSANE	310	JN
64D100	629-99-	PENTACOSANE	380	JX
64D100	630-01-	HEXACOSANE	390	JX
64D100	593-49-	HEPTACOSANE	430	JX
64D100	630-02-	OCTACOSANE	430	JX
64D100	630-03-	NONACOSANE	670	JX
64D100	506-52-	1-HEXACOSANOL	230	JX
64D100	630-04-	HENTRIACONTANE	380	JX

TOTAL UNKNOWN TICS: 3980
TOTAL TICS 9880

SDG FILE: 1E44799 DATE: MATRIX:
ES: SB64D101

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D101	556-67-	CYCLOTETRASILOXANE, OCTAMETH	50	BJ
64D101	541-02-	CYCLOPENTASILOXANE, DECAMETH	130	BJ

TOTAL UNKNOWN TICS: 0
TOTAL TICS 180

SDG FILE: 1F44799 DATE: MATRIX:
ES: SB64D101

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D101	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1800	BJ
64D101	128-37-	PHENOL, 2,6-BIS(1,1-DIMETHYL	110	JX
64D101	629-97-	DOCOSANE	130	JN
64D101	638-67-	TRICOSANE	230	JN
64D101	646-31-	TETRACOSANE	470	JX
64D101	629-99-	PENTACOSANE	520	JX
64D101	630-01-	HEXACOSANE	560	JX
64D101	593-49-	HEPTACOSANE	480	JX
64D101	630-02-	OCTACOSANE	640	JX
64D101	630-03-	NONACOSANE	440	JX
64D101	638-68-	TRIACONTANE	230	JN
64D101	630-04-	HENTRIACONTANE	150	JX

TOTAL UNKNOWN TICS: 4990
TOTAL TICS 10750

SDG FILE: 1E44799 DATE: MATRIX:
ES: SB64D102
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D102	556-67-	CYCLOTETRASILOXANE, OCTAMETH	43	BJ
64D102	541-02-	CYCLOPENTASILOXANE, DECAMETH	130	BJ

TOTAL UNKNOWN TICS: 0
TOTAL TICS 173

SDG FILE: 1F44799 DATE: MATRIX:
ES: SB64D102
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D102	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1400	BJ
64D102	128-37-	PHENOL, 2,6-BIS(1,1-DIMETHYL	120	JX
64D102	629-97-	DOCOSANE	170	JN
64D102	638-67-	TRICOSANE	250	JX
64D102	646-31-	TETRACOSANE	520	JX
64D102	629-99-	PENTACOSANE	520	JX
64D102	630-01-	HEXACOSANE	570	JN
64D102	593-49-	HEPTACOSANE	540	JX
64D102	630-02-	OCTACOSANE	550	JX
64D102	630-03-	NONACOSANE	410	JX
64D102	638-68-	TRIACONTANE	190	JN
64D102	630-04-	HENTRIACONTANE	120	JX

TOTAL UNKNOWN TICS: 4925
TOTAL TICS 10285

SDG FILE: 1E44799 DATE: MATRIX:
ES: SB64D200
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D200	556-67-	CYCLOTETRASILOXANE, OCTAMETH	49	BJ
64D200	541-02-	CYCLOPENTASILOXANE, DECAMETH	170	BJ

TOTAL UNKNOWN TICS: 0
TOTAL TICS 219

SDG FILE: 1F44799 DATE: MATRIX:
ES: SB64D200

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D200	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2000	BJ
64D200	57-10-	HEXADECANOIC ACID	570	JX
64D200	661-19-	1-DOCOSANOL W/PENTACOSANE	180	JN
64D200	593-49-	HEPTACOSANE	270	JX
64D200	506-51-	1-TETRACOSANOL	190	JX
64D200	630-02-	OCTACOSANE W/ALIPHATIC AMIDE	220	JN
64D200	630-03-	NONACOSANE	1800	JX
64D200	506-52-	1-HEXACOSANOL	940	JX
64D200	630-04-	HENTRIACONTANE	1500	JX
64D200	630-05-	TRITRIACONTANE	290	JX

TOTAL UNKNOWN TICS: 3900
TOTAL TICS 11860

SDG FILE: 1E44799 DATE: MATRIX:
ES: SB64D202

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D202	556-67-	CYCLOTETRASILOXANE, OCTAMETH	77	BJ
64D202	541-02-	CYCLOPENTASILOXANE, DECAMETH	170	BJ

TOTAL UNKNOWN TICS: 0
TOTAL TICS 247

SDG FILE: 1F44799 DATE: MATRIX:
ES: SB64D202

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D202	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1600	BJ
64D202	112-53-	1-DODECANOL	140	JX
64D202	57-10-	HEXADECANOIC ACID	120	JX
64D202	630-03-	NONACOSANE	300	JX
64D202	506-52-	1-HEXACOSANOL	110	JX
64D202	630-04-	HENTRIACONTANE	210	JX

TOTAL UNKNOWN TICS: 996
TOTAL TICS 3476

SDG FILE: 1E44799 DATE: MATRIX:
ES: SB64D203
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D203	556-67-	CYCLOTETRASILOXANE, OCTAMETH	45	BJ
64D203	541-02-	CYCLOPENTASILOXANE, DECAMETH	130	BJ
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	175	

SDG FILE: 1F44799 DATE: MATRIX:
ES: SB64D203

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D203	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2100	BJ
64D203	112-53-	1-DODECANOL	100	JX
		TOTAL UNKNOWN TICS:	982	
		TOTAL TICS	3182	

SDG FILE: 1E44799 DATE: MATRIX:
ES: SB64D300

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D300	75-45-	METHANE, CHLORODIFLUORO	9	JX
64D300	541-02-	CYCLOPENTASILOXANE, DECAMETH	19	BJ
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	28	

SDG FILE: 1F44799 DATE: MATRIX:
ES: SB64D300

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D300	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2100	BJ
64D300	1002-84-	PENTADECANOIC ACID	450	JX
64D300	57-10-	HEXADECANOIC ACID	1500	JX
64D300	661-19-	1-DOCOSANOL W/PENTACOSANE	470	JN
64D300	593-49-	HEPTACOSANE	820	JX
64D300	506-51-	1-TETRACOSANOL	470	JX
64D300	630-03-	NONACOSANE	2800	JX
64D300	506-52-	1-HEXACOSANOL	2300	JX
64D300	630-04-	HENTRIACONTANE	3900	JX
64D300	630-05-	TRITRIACONTANE	730	JX
		TOTAL UNKNOWN TICS:	8070	
		TOTAL TICS	23610	

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D301
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D301	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2200	BJ
64D301	481-39-	1,4-NAPHTHALENEDIONE, 5-HYDR	100	JX
64D301	57-10-	HEXADECANOIC ACID	86	JX
64D301	506-51-	1-TETRACOSANOL	82	JX
64D301	630-03-	NONACOSANE	280	JX
64D301	506-52-	1-HEXACOSANOL	130	JN
64D301	630-04-	HENTRIACONTANE	330	JX
64D301	630-05-	TRITRIACONTANE	82	JN

TOTAL UNKNOWN TICS: 960
TOTAL TICS 4250

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D302
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D302	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2000	BJ
64D302	630-03-	NONACOSANE	120	JX
64D302	630-04-	HENTRIACONTANE	170	JX

TOTAL UNKNOWN TICS: 960
TOTAL TICS 3250

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D320
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D320	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2700	BJ
64D320	481-39-	1,4-NAPHTHALENEDIONE, 5-HYDR	700	JX
64D320	57-10-	HEXADECANOIC ACID	960	JX
64D320	629-99-	PENTACOSANE W/1-DOCOSANOL	240	JX
64D320	593-49-	HEPTACOSANE	380	JX
64D320	506-51-	1-TETRACOSANOL	270	JX
64D320	630-03-	NONACOSANE	1800	JX
64D320	506-52-	1-HEXACOSANOL	960	JN
64D320	630-04-	HENTRIACONTANE	2700	JX
64D320	630-05-	TRITRIACONTANE	500	JX

TOTAL UNKNOWN TICS: 4770
TOTAL TICS 15980

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D400
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D400	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	6300	BJ
64D400	1002-84-	PENTADECANOIC ACID	320	JX
64D400	57-10-	HEXADECANOIC ACID	1300	JX
64D400	593-49-	HEPTACOSANE	870	JX
64D400	630-03-	NONACOSANE	3000	JX
64D400	506-52-	1-HEXACOSANOL	950	JX
64D400	630-04-	HENTRIACONTANE	2000	JX
64D400	1058-61-	STIGMAST-4-EN-3-ONE	590	JX

TOTAL UNKNOWN TICS: 9230
TOTAL TICS 24560

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D401
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D401	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	7500	BJ
64D401	112-53-	1-DODECANOL	160	BJ
64D401	57-10-	HEXADECANOIC ACID	360	JX
64D401	57-11-	OCTADECANOIC ACID	98	JX
64D401	593-49-	HEPTACOSANE	98	JX
64D401	630-03-	NONACOSANE	140	JX
64D401	630-04-	HENTRIACONTANE	150	JX

TOTAL UNKNOWN TICS: 1838
TOTAL TICS 10344

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D402

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D402	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	540[illegible]	BJ
64D402	112-53-	1-DODECANOL	140	BJ
64D402	57-10-	HEXADECANOIC ACID	140	JX

TOTAL UNKNOWN TICS: 970
TOTAL TICS 6650

SDG FILE: 1E45058 DATE: MATRIX:
ES: SB64D500

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D500	541-02-	CYCLOPENTASILOXANE, DECAMETH	8	JX

TOTAL UNKNOWN TICS: 0
TOTAL TICS 8

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D500

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D500	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5800	BJ
64D500	481-39-	1,4-NAPHTHALENE, 5-HYDROXY-	600	JX
64D500	1002-84-	PENTADECANOIC ACID W/PHYTANE	600	JX
64D500	57-10-	HEXADECANOIC ACID	1400	JX
64D500	112-95-	EICOSANE W/HEPTADECENOIC ACI	650	JX
64D500	629-99-	PENTACOSANE W/UNKNOWN	540	JN
64D500	593-49-	HEPTACOSANE	870	JX
64D500	630-03-	NONACOSANE	6300	JX
64D500	638-68-	TRIACONTANE	550	JX
64D500	630-04-	HENTRIACONTANE	7400	JX
64D500	544-85-	DOTRIACONTANE	450	JX
64D500	630-05-	TRITRIACONTANE	3100	JX
64D500	1058-61-	STIGMAST-4-EN-3-ONE	640	JX
		TOTAL UNKNOWN TICS:	5190	
		TOTAL TICS	34090	

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D502

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D502	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3600	BJ
64D502	112-53-	1-DODECANOL	89	BJ
64D502	481-39-	1,4-NAPHTHALENEDIONE, 5-HYDR	140	JX
64D502	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	170	JX
64D502	57-10-	HEXADECANOIC ACID	100	JX
64D502	593-49-	HEPTACOSANE	110	JX
64D502	506-51-	TETRACOSANOL	81	JX
64D502	630-02-	OCTACOSANE	89	JX
64D502	630-03-	NONACOSANE	400	JX
64D502	506-52-	1-HEXACOSANOL	160	JX
64D502	630-04-	HENTRIACONTANE	430	JX
64D502	630-05-	TRITRIACONTANE	110	JX
		TOTAL UNKNOWN TICS:	504	
		TOTAL TICS	5983	

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D503

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D503	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2100	BJ
64D503	112-53-	1-DODECANOL	76	BJ
64D503	481-39-	1,4-NAPHTHALENEDIONE, 5-HYDR	80	JX
64D503	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	580	BJ
64D503	630-04-	HENTRIACONTANE	91	JN
		TOTAL UNKNOWN TICS:	4390	
		TOTAL TICS	7317	

SDG FILE: 1E45058 DATE: MATRIX:
ES: SB64D600
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D600	541-02-	CYCLOPENTASILOXANE, DECAMETH	11	JX

TOTAL UNKNOWN TICS:	0	
TOTAL TICS	11	

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D600
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D600	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2700	BJ
64D600	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	240	JX
64D600	57-10-	HEXADECANOIC ACID	910	JX
64D600	593-49-	HEPTACOSANE	290	JX
64D600	506-51-	TETRACOSANOL	390	JX
64D600	630-02-	OCTACOSANE	300	JX
64D600	630-03-	NONACOSANE	2300	JX
64D600	506-52-	1-HEXACOSANOL	960	JX
64D600	630-04-	HENTRIACONTANE	2700	JX
64D600	630-05-	TRITRIACONTANE	680	JX
64D600	83-48-	STIGMASTEROL	220	JX

TOTAL UNKNOWN TICS:	3450	
TOTAL TICS	15140	

SDG FILE: 1E45058 DATE: MATRIX:
ES: SB64D601
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D601	541-02-	CYCLOPENTASILOXANE, DECAMETH	12	JX

TOTAL UNKNOWN TICS:	0	
TOTAL TICS	12	

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D601
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D601	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5700	BJ
64D601	112-53-	1-DODECANOL	170	BJ
64D601	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	400	JX
64D601	57-10-	HEXADECANOIC ACID	910	JX
64D601	593-49-	HEPTACOSANE	180	JX
64D601	506-52-	1-HEXACOSANOL	370	JX
64D601	630-02-	OCTACOSANE	150	JX
64D601	630-03-	NONACOSANE	980	JX
64D601	630-04-	HENTRIACONTANE	1100	JX
64D601	630-05-	TRITRIACONTANE	280	JX

TOTAL UNKNOWN TICS: 3400
TOTAL TICS 13640

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D602
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D602	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1900	BJ
64D602	112-53-	1-DODECANOL	80	BJ
64D602	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	95	JX
64D602	57-10-	HEXADECANOIC ACID	76	JX
64D602	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	520	BJ
64D602	506-51-	TETRACOSANOL	76	JN
64D602	630-04-	HENTRIACONTANE	110	JX

TOTAL UNKNOWN TICS: 968
TOTAL TICS 3825

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D700

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D700	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	6500	BJ
64D700	1002-84-	PENTADECANOIC ACID	440	JX
64D700	57-10-	HEXADECANOIC ACID	2100	JX
64D700	57-11-	OCTADECANOIC ACID	360	JX
64D700	593-49-	HEPTACOSANE	850	JX
64D700	630-03-	NONACOSANE	4600	JX
64D700	506-52-	1-HEXACOSANOL	1300	JX
64D700	630-04-	HENTRIACONTANE	2500	JX
64D700	630-05-	TRITRIACONTANE	460	JX
64D700	1058-61-	STIGMAST-4-EN-3-ONE	590	JX

TOTAL UNKNOWN TICS: 8720
TOTAL TICS 28420

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D701
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D701	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	11000	BJ
64D701	112-53-	1-DODECANOL	91	BJ
64D701	57-10-	HEXADECANOIC ACID	370	JX
64D701	661-19-	1-DOCOSANOL	120	JN
64D701	506-51-	1-TETRACOSANOL	480	JX
64D701	630-03-	NONACOSANE	670	JX
64D701	506-52-	1-HEXACOSANOL	170	JX
64D701	630-04-	HENTRIACONTANE	340	JN
64D701	1058-61-	STIGMAST-4-EN-3-ONE	150	JX

TOTAL UNKNOWN TICS: 6692
TOTAL TICS 20083

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D702
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D702	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5300	BJ
64D702	112-53-	1-DODECANOL	94	BJ
64D702	57-10-	HEXADECANOIC ACID	120	JX

TOTAL UNKNOWN TICS: 16094
TOTAL TICS 21608

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D800
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D800	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	11000	BJ
64D800	57-10-	HEXADECANOIC ACID	2400	JX
64D800	57-11-	OCTADECANOIC ACID	520	JX
64D800	593-49-	HEPTACOSANE	1600	JX
64D800	630-03-	NONACOSANE	4900	JX
64D800	506-52-	1-HEXACOSANOL	880	JX
64D800	630-04-	HENTRIACONTANE	2500	JX
64D800	630-05-	TRITRIACONTANE	540	JX
64D800	1058-61-	STIGMAST-4-EN-3-ONE	780	JX

TOTAL UNKNOWN TICS: 21570
TOTAL TICS 46690

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D801
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D801	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5500	BJ
64D801	112-53-	1-DODECANOL	100	BJ
64D801	57-10-	HEXADECANOIC ACID	570	JX
64D801	523-59-	2H,8H-BENZO[1,2-B:3,4-B']DIP	460	JX
64D801	57-11-	OCTADECANOIC ACID	93	JX
64D801	629-99-	PENTACOSANE	93	JX
64D801	630-01-	HEXACOSANE	100	JX
64D801	593-49-	HEPTACOSANE	270	JX
64D801	630-02-	OCTACOSANE	160	JX
64D801	630-03-	NONACOSANE	370	JX
64D801	630-04-	HENTRIACONTANE	240	JX
		TOTAL UNKNOWN TICS:	8990	
		TOTAL TICS	16946	

SDG FILE: 1F45048 DATE: MATRIX:
ES: SB64D802
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D802	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5300	BJ
64D802	112-53-	1-DODECANOL	100	BJ
64D802	57-10-	HEXADECANOIC ACID	220	JX
64D802	630-01-	HEXACOSANE	100	JX
64D802	593-49-	HEPTACOSANE	160	JX
64D802	630-02-	OCTACOSANE	130	JX
64D802	630-03-	NONACOSANE	110	JX
		TOTAL UNKNOWN TICS:	9624	
		TOTAL TICS	15744	

SDG FILE: 1E45058 DATE: MATRIX:
ES: SB64D900
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D900	80-56-	.ALPHA.-PINENE	160	JX
64D900	5794-03-	CAMPHENE	38	JX
64D900	127-91-	.BETA.-PINENE	120	JX
64D900	138-86-	LIMONENE	400	JX
64D900	99-85-	1,4-CYCLOHEXADIENE, 1-METHYL	19	JX
		TOTAL UNKNOWN TICS:	42	
		TOTAL TICS	779	

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D900
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D900	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	4900	BJ
64D900	57-10-	HEXADECANOIC ACID	2500	JX
64D900	593-49-	HEPTACOSANE	1000	JX
64D900	630-02-	OCTACOSANE	620	JX
64D900	630-03-	NONACOSANE	6400	JX
64D900	506-52-	1-HEXACOSANOL	990	JX
64D900	630-04-	HENTRIACONTANE	5400	JX
64D900	630-05-	TRITRIACONTANE	1300	JX
64D900	638-95-	.ALPHA.-AMYRIN	690	JX
64D900	559-70-	.BETA.-AMYRIN	610	JX

TOTAL UNKNOWN TICS: 12080
TOTAL TICS 36490

SDG FILE: 1E45058 DATE: MATRIX:
ES: SB64D901

ESID	CAS NO	COMPOUND	RESULT	QUAL.

TOTAL UNKNOWN TICS: 7
TOTAL TICS 7

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D901

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D901	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5100	BJ
64D901	112-53-	1-DODECANOL	160	BJ
64D901	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	370	JX
64D901	57-10-	HEXADECANOIC ACID	620	JX
64D901	593-49-	HEPTACOSANE	180	JX
64D901	630-02-	OCTACOSANE	200	JX
64D901	630-03-	NONACOSANE	720	JX
64D901	630-04-	HENTRIACONTANE	800	JX
64D901	630-05-	TRITRIACONTANE	300	JX

TOTAL UNKNOWN TICS: 2910
TOTAL TICS 11360

SDG FILE: 1E45058 DATE: MATRIX:
ES: SB64D902

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D902	541-02-	CYCLOPENTASILOXANE, DECAMETH	9	JX

TOTAL UNKNOWN TICS: 0
TOTAL TICS 9

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D902
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
64D902	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	4000	BJ
64D902	112-53-	1-DODECANOL	210	BJ
64D902	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	250	JX
64D902	57-10-	HEXADECANOIC ACID	250	JX
64D902	630-03-	NONACOSANE	190	JX
64D902	630-04-	HENTRIACONTANE	230	JX
		TOTAL UNKNOWN TICS:	1799	
		TOTAL TICS	6929	

SDG FILE: 1E45058 DATE: MATRIX:
ES: SB64D1000
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
4D1000	541-02-	CYCLOPENTASILOXANE, DECAMETH	7	JX
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	7	

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D1000
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
4D1000	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3900	BJ
4D1000	57-10-	HEXADECANOIC ACID	2400	JN
4D1000	112-95-	EICOSANE W/HEPTADECENOIC ACI	840	JN
4D1000	57-11-	OCTADECANOIC ACID	620	JX
4D1000	629-99-	PENTACOSANE	840	JX
4D1000	630-01-	HEXACOSANE	730	JX
4D1000	593-49-	HEPTACOSANE	1900	JX
4D1000	630-02-	OCTACOSANE	1700	JX
4D1000	630-03-	NONACOSANE	7500	JX
4D1000	506-52-	1-HEXACOSANOL	2400	JX
4D1000	638-68-	TRIACONTANE	1000	JX
4D1000	630-04-	HENTRIACONTANE	5800	JX
4D1000	57-88-	CHOLESTEROL	620	JX
4D1000	630-05-	TRITRIACONTANE	1200	JX
4D1000	1058-61-	STIGMAST-4-EN-3-ONE	1200	JX
		TOTAL UNKNOWN TICS:	7040	
		TOTAL TICS	39690	

SDG FILE: 1E45058 DATE: MATRIX:
ES: SB64D1001
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
4D1001	541-02-	CYCLOPENTASILOXANE, DECAMETH	18	JX

	TOTAL UNKNOWN TICS:	0
	TOTAL TICS	18

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D1001
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
4D1001	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3200	BJ
4D1001	112-53-	1-DODECANOL	200	BJ
4D1001	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	250	JX
4D1001	57-10-	HEXADECANOIC ACID	300	JX
4D1001	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	140	BJ
4D1001	629-99-	PENTACOSANE	260	JX
4D1001	630-01-	HEXACOSANE	280	JX
4D1001	593-49-	HEPTACOSANE	410	JX
4D1001	630-02-	OCTACOSANE	650	JX
4D1001	630-03-	NONACOSANE	1100	JN
4D1001	638-68-	TRIACONTANE	300	JN
4D1001	630-04-	HENTRIACONTANE	840	JX
4D1001	630-05-	TRITRIACONTANE	180	JN

	TOTAL UNKNOWN TICS:	1930
	TOTAL TICS	10040

SDG FILE: 1F45058 DATE: MATRIX:
ES: SB64D1003
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
4D1003	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2000	BJ
4D1003	112-53-	1-DODECANOL	140	BJ
4D1003	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	180	JX
4D1003	57-10-	HEXADECANOIC ACID	120	JX
4D1003	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	360	BJ

	TOTAL UNKNOWN TICS:	1513
	TOTAL TICS	4313

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW64D1
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	14	
		TOTAL TICS	14	

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW64D2
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	2	
		TOTAL TICS	2	

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW64D3
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64D3	112-05-0	Nonanoic acid	2	NJ
MW64D3	629-62-9	Pentadecane	2	NJ
MW64D3	134-62-3	Diethyltoluamide	5	NJ
MW64D3	544-76-3	Hexadecane	4	NJ
MW64D3	629-78-7	Heptadecane	5	NJ
MW64D3	593-45-3	Octadecane	4	NJ
MW64D3	629-92-5	Nonadecane	4	NJ
MW64D3	57-10-3	Hexadecanoic acid	3	NJ
MW64D3	112-95-8	Eicosane	2	NJ
		TOTAL UNKNOWN TICS:	2	
		TOTAL TICS	33	

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW64D4
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW64D4	105-60-2	Caprolactam w/nonanoic acid	7	NJ
MW64D4	593-45-3	Octadecane	3	NJ
MW64D4	629-92-5	Nonadecane	5	NJ
MW64D4	57-10-3	Hexadecanoic acid	7	NJ
MW64D4	112-95-8	Eicosane	4	NJ
MW64D4	629-94-7	Heneicosane w/unknowns	4	NJ
MW64D4	57-11-4	Octadecanoic acid	3	NJ
MW64D4	629-97-0	Docosane	3	NJ
		TOTAL UNKNOWN TICS:	28	
		TOTAL TICS	64	

SEAD-67

SDG FILE: 1F43257 DATE: MATRIX:
ES: MW67200
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
67200	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	26000	BJ
67200	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	280	BJ
67200	57-10-	HEXADECANOIC ACID	160	JX
67200	629-94-	HENEICOSANE	110	JX
67200	593-49-	HEPTACOSANE	150	JX
67200	506-51-	1-TETRACOSANOL	120	JX
67200	630-03-	NONACOSANE	550	JX
67200	630-04-	HENTRIACONTANE	1300	JX
67200	630-05-	TRITRIACONTANE	680	JX

TOTAL UNKNOWN TICS: 1480
TOTAL TICS 30830

SDG FILE: 1F43257 DATE: MATRIX:
ES: MW67202
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
67202	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2300	BJ
67202	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	210	BJ
67202	630-04-	HENTRIACONTANE	110	JX

TOTAL UNKNOWN TICS: 423
TOTAL TICS 3043

SDG FILE: 1F43257 DATE: MATRIX:
ES: MW67203
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
67203	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3600	BJ
67203	10544-50-	SULFUR, MOL.(S8)	170	JX

TOTAL UNKNOWN TICS: 159
TOTAL TICS 3929

SDG FILE: 1F44410 DATE: MATRIX:
ES: TP671

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP671	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1500	BJ
TP671	112-53-	1-DODECANOL	230	JX
TP671	481-39-	1,4-NAPHTHALENEDIONE, 5-HYDR	810	JX
TP671	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	230	JX
TP671	832-71-	PHENANTHRENE, 3-METHYL-	190	JX
TP671	2531-84-	PHENANTHRENE, 2-METHYL-	240	JX
TP671	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	260	JX
TP671	832-69-	PHENANTHRENE, 1-METHYL-	140	JX
TP671	57-10-	HEXADECANOIC ACID	190	JX
TP671	612-94-	NAPHTHALENE, 2-PHENYL-	120	JX
TP671	84-65-	9,10-ANTHRACENEDIONE	210	JX
TP671	238-84-	11H-BENZO[A]FLUORENE	180	JX
TP671	593-49-	HEPTACOSANE	170	JX
TP671	630-02-	OCTACOSANE W/PAH	120	JX
TP671	630-03-	NONACOSANE	570	JX
TP671	506-52-	1-HEXACOSANOL	160	JX
TP671	192-97-	BENZO[E]PYRENE	210	JX
TP671	630-04-	HENTRIACONTANE	800	JX
TP671	630-05-	TRITRIACONTANE	240	JX

TOTAL UNKNOWN TICS: 460
TOTAL TICS 7030

SDG FILE: 1F44410 DATE: MATRIX:
ES: TP671

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP671	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1500	BJ
TP671	112-53-	1-DODECANOL	230	JX
TP671	481-39-	1,4-NAPHTHALENEDIONE, 5-HYDR	810	JX
TP671	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	230	JX
TP671	832-71-	PHENANTHRENE, 3-METHYL-	190	JX
TP671	2531-84-	PHENANTHRENE, 2-METHYL-	240	JX
TP671	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	260	JX
TP671	832-69-	PHENANTHRENE, 1-METHYL-	140	JX
TP671	57-10-	HEXADECANOIC ACID	190	JX
TP671	612-94-	NAPHTHALENE, 2-PHENYL-	120	JX
TP671	84-65-	9,10-ANTHRACENEDIONE	210	JX
TP671	238-84-	11H-BENZO[A]FLUORENE	180	JX
TP671	593-49-	HEPTACOSANE	170	JX
TP671	630-02-	OCTACOSANE W/PAH	120	JX
TP671	630-03-	NONACOSANE	570	JX
TP671	506-52-	1-HEXACOSANOL	160	JX
TP671	192-97-	BENZO[E]PYRENE	210	JX
TP671	630-04-	HENTRIACONTANE	800	JX
TP671	630-05-	TRITRIACONTANE	240	JX

TOTAL UNKNOWN TICS: 460
TOTAL TICS 7030

SDG FILE: 1F44410 DATE: MATRIX:
ES: TP672
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP672	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1300	BJ
TP672	112-53-	1-DODECANOL	170	BJ
TP672	481-39-	1,4-NAPHTHALENEDIONE, 5-HYDR	1000	JX
TP672	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	180	JX
TP672	832-71-	PHENANTHRENE, 3-METHYL-	140	JX
TP672	2531-84-	PHENANTHRENE, 2-METHYL-	150	JX
TP672	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	190	JX
TP672	57-10-	HEXADECANOIC ACID	200	JX
TP672	84-65-	9,10-ANTHRACENEDIONE	160	JX
TP672	238-84-	11H-BENZO[A]FLUORENE	160	JX
TP672	195-19-	BENZO[C]PHENANTHRENE W/BENZO	110	JX
TP672	593-49-	HEPTACOSANE	100	JX
TP672	630-02-	OCTACOSANE W/PAH	120	JX
TP672	630-03-	NONACOSANE	520	JX
TP672	192-97-	BENZO[E]PYRENE	240	JX
TP672	630-04-	HENTRIACONTANE	840	JX
TP672	630-05-	DOTRIACONTANE	290	JX

TOTAL UNKNOWN TICS: 840
TOTAL TICS 6710

SDG FILE: 1F44410 DATE: MATRIX:
ES: TP673
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP673	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3300	BJ
TP673	481-39-	1,4-NAPHTHALENEDIONE, 5-HYDR	210	JX
TP673	203-64-	CYCLOPENTA[DEF]PHENTANTHRENE	220	JX
TP673	238-84-	11H-BENZO[A]FLUORENE	390	JX
TP673	2381-21-	PYRENE, 1-METHYL-	320	JX
TP673	239-35-	BENZO[B]NAPHTHO[2,1-D]THIOPH	220	JX
TP673	195-19-	BENZO[C]PHENANTHRENE	180	JX
TP673	192-97-	BENZO[E]PYRENE	930	JX
TP673	630-04-	HENTRIACONTANE	570	JX

TOTAL UNKNOWN TICS: 2630
TOTAL TICS 8970

SDG FILE: 1F44410 DATE: MATRIX:
ES: TP675
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP675	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	1400	BJ
TP675	112-53-	1-DODECANOL	220	BJ
TP675	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	190	JX
TP675	57-10-	HEXADECANOIC ACID	360	JX
TP675	238-84-	11H-BENZO[A]FLUORENE	190	JX
TP675	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	370	JX
TP675	629-99-	PENTACOSANE W/1-DOCOSANOL	260	JX
TP675	630-01-	HEPTACOSANE	380	JX
TP675	630-02-	OCTACOSANE W/PAH	220	JX
TP675	630-03-	NONACOSANE	1200	JX
TP675	506-52-	1-HEXACOSANOL	240	JX
TP675	192-97-	BENZO[E]PYRENE	250	JX
TP675	630-04-	HENTRIACONTANE	1900	JX
TP675	544-85-	DOTRIACONTANE	440	JX

TOTAL UNKNOWN TICS: 1970
TOTAL TICS 9590

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW671
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW671	629-78-7	Heptadecane	2	NJ
MW671	3622-84-2	Benzenesulfonamide, N-butyl-	7	NJ
MW671	629-92-5	Nonadecane	2	NJ
MW671	10544-50-0	Sulfur, mol. (S8)	3	NJ

TOTAL UNKNOWN TICS: 41
TOTAL TICS 55

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW671
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW671	629-78-7	Heptadecane	2	NJ
MW671	3622-84-2	Benzenesulfonamide, N-butyl-	7	NJ
MW671	629-92-5	Nonadecane	2	NJ
MW671	10544-50-0	Sulfur, mol. (S8)	3	NJ

TOTAL UNKNOWN TICS: 41
TOTAL TICS 55

SDG FILE: 1F45282 DATE: MATRIX:
ES: MW672
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW672	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	32	BJ
MW672	629-78-	HEPTADECANE	4	JX
MW672	593-45-	OCTADECANE	3	JX
MW672	629-92-	NONADECANE	3	JX

TOTAL UNKNOWN TICS: 34
TOTAL TICS 76

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW673
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW673	544-76-3	Hexadecane	4	NJ
MW673	629-78-7	Heptadecane	6	NJ
MW673	593-45-3	Octadecane	8	NJ
MW673	629-92-5	Nonadecane	10	NJ
MW673	112-95-8	Eicosane	7	NJ
MW673	629-94-7	Heneicosane	2	NJ

TOTAL UNKNOWN TICS: 8
TOTAL TICS 45

SDG FILE: 1F43810 DATE: MATRIX:
ES: SW671

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SW671	544-63-8	Tetradecanoic acid	4	NJ
SW671	57-10-3	Hexadecanoic acid	14	NJ
SW671	630-03-5	Nonacosane	2	NJ

TOTAL UNKNOWN TICS: 22
TOTAL TICS 42

SDG FILE: 1F43810 DATE: MATRIX:
ES: SW671

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SW671	544-63-8	Tetradecanoic acid	4	NJ
SW671	57-10-3	Hexadecanoic acid	14	NJ
SW671	630-03-5	Nonacosane	2	NJ

TOTAL UNKNOWN TICS: 22
TOTAL TICS 42

SDG FILE: 1F43810 DATE: MATRIX:
ES: SW672
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SW672	111-46-6	Ethanol, 2,2'-oxybis-	5	NJ
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	5	

SDG FILE: 1F43663 DATE: MATRIX:
ES: SD671
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD671	544-63-8	Tetradecanoic acid	310	NJ
SD671	57-10-3	Hexadecanoic acid	2800	NJ
SD671	593-49-7	Heptacosane	470	NJ
SD671	630-03-5	Nonacosane	810	NJ
SD671	630-04-6	Hentriacontane	360	NJ
SD671	57-88-5	Cholesterol	460	NJ
SD671	83-48-7	Stigmasterol	620	NJ
		TOTAL UNKNOWN TICS:	10610	
		TOTAL TICS	16440	

SDG FILE: 1F43663 DATE: MATRIX:
ES: SD671
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD671	544-63-8	Tetradecanoic acid	310	NJ
SD671	57-10-3	Hexadecanoic acid	2800	NJ
SD671	593-49-7	Heptacosane	470	NJ
SD671	630-03-5	Nonacosane	810	NJ
SD671	630-04-6	Hentriacontane	360	NJ
SD671	57-88-5	Cholesterol	460	NJ
SD671	83-48-7	Stigmasterol	620	NJ
		TOTAL UNKNOWN TICS:	10610	
		TOTAL TICS	16440	

SDG FILE: 1F43663 DATE: MATRIX:
ES: SD672
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD672	832-71-3	Phenanthrene, 3-methyl-	480	NJ
SD672	2531-84-2	Phenanthrene, 2-methyl-	720	NJ
SD672	613-12-7	Anthracene, 2-methyl- w/ hex	980	NJ
SD672	203-64-5	4H-Cyclopenta[def]phenanthre	910	NJ
SD672	57-10-3	Hexadecanoic acid w/ 1-methy	1800	NJ
SD672	612-94-2	Naphthalene, 2-phenyl-	520	NJ
SD672	238-84-6	11H-Benzo[a]fluorene	660	NJ
SD672	243-17-4	11H-Benzo[b]fluorene	270	NJ
SD672	203-12-3	Benzo[ghi]fluoranthene	320	NJ
SD672	630-03-5	Nonacosane w/ unknown	430	NJ
SD672	192-97-2	Benzo[e]pyrene	710	NJ
SD672	198-55-0	Perylene	310	NJ
SD672	57-88-5	Cholesterol	300	NJ

TOTAL UNKNOWN TICS: 2400
TOTAL TICS 10810

SDG FILE: 1E44090 DATE: MATRIX:
ES: SB70100
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	30	
		TOTAL TICS	30	

SDG FILE: 1F44090 DATE: MATRIX:
ES: SB70100
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
70100	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	8700	BJ
70100	57-10-	HEXADECANOIC ACID	1100	JX
70100	661-19-	1-DOCOSANOL	1400	JX
70100	506-51-	1-TETRACOSANOL	3700	JX
70100	630-02-	OCTACOSANE	420	JX
70100	630-03-	NONACOSANE	6600	JX
70100	506-52-	1-HEXACOSANOL	1600	JX
70100	630-04-	HENTRIACONTANE	3700	JX
70100	57-88-	CHOLESTEROL	540	JX
70100	630-05-	TRITRIACONTANE	660	JX
70100	1058-61-	STIGMAST-4-EN-3-ONE	1400	JX
		TOTAL UNKNOWN TICS:	14490	
		TOTAL TICS	44310	

SDG FILE: 1E42510 DATE: MATRIX:
ES: SB70101
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B70101	1120-21-	UNDECANE		JX
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	7	

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB70101
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B70101	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3400	BJ
B70101	1120-21-	UNDECANE	560	JX
B70101	112-53-	1-DODECANOL	82	JX
B70101	57-10-	HEXADECANOIC ACID	680	JX
B70101	629-99-	PENTACOSANE	82	JX
B70101	630-03-	NONACOSANE	420	JX
B70101	630-04-	HENTRIACONTANE	430	JX
		TOTAL UNKNOWN TICS:	22216	
		TOTAL TICS	27870	

SDG FILE: 1F44090 DATE: MATRIX:
ES: SB70102
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
70102	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	7100	BJ
70102	112-53-	1-DODECANOL	180	JX
70102	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	380	JX
70102	630-03-	NONACOSANE	96	JX
70102	630-04-	HENTRIACONTANE	84	JX
		TOTAL UNKNOWN TICS:	478	
		TOTAL TICS	8318	

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB70102

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B70102	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	4400	BJ
B70102	57-10-	HEXADECANOIC ACID	190	JX
B70102	638-67-	TRICOSANE	25[illegible]	JX
B70102	629-99-	PENTACOSANE	42[illegible]	JX
B70102	630-01-	HEXACOSANE	340	JX
B70102	593-49-	HEPTACOSANE	440	JX
B70102	630-02-	OCTACOSANE	350	JX
B70102	630-03-	NONACOSANE	790	JX
B70102	638-68-	TRIACONTANE	190	JX
B70102	630-04-	HENTRIACONTANE	820	JX
B70102	630-05-	TRITRIACONTANE	170	JX
		TOTAL UNKNOWN TICS:	25040	
		TOTAL TICS	33400	

SDG FILE: 1F44090 DATE: MATRIX:
ES: SB70103
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
70103	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5800	JN
70103	112-53-	1-DODECANOL	150	JX
70103	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	310	JX

TOTAL UNKNOWN TICS:	402
TOTAL TICS	6662

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB70103
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B70103	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2900	BJ
B70103	57-10-	HEXADECANOIC ACID	370	JX
B70103	638-67-	TRICOSANE	180	JX
B70103	629-99-	PENTACOSANE W/ 1-DOCOSANOL	190	JX
B70103	593-49-	HEPTACOSANE	130	JX
B70103	506-51-	1-TETRACOSANOL	200	JX
B70103	630-03-	NONACOSANE	280	JX
B70103	630-04-	HENTRIACONTANE	360	JX

TOTAL UNKNOWN TICS:	24060
TOTAL TICS	28670

SDG FILE: 1E42510 DATE: MATRIX:
ES: SB70201
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B70201	1120-21-	UNDECANE	11	JX

TOTAL UNKNOWN TICS:	80
TOTAL TICS	91

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB70201
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B70201	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	6000	BJ
B70201	1120-21-	UNDECANE	450	JX
B70201	57-10-	HEXADECANOIC ACID	1700	JX
B70201	661-19-	1-DOCOSANOL W/ UNKNOWN	750	JX
B70201	593-49-	HEPTACOSANE W/ 1-TETRACOSANO	1300	JX
B70201	630-03-	NONACOSANE	2900	JX
B70201	506-52-	1-HEXACOSANOL	1200	JX
B70201	630-04-	HENTRIACONTANE	5600	JX
B70201	630-05-	TRITRIACONTANE	1700	JX

TOTAL UNKNOWN TICS: 26760
TOTAL TICS 48360

SDG FILE: 1E42510 DATE: MATRIX:
ES: SB70203
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.

TOTAL UNKNOWN TICS: 10
TOTAL TICS 10

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB70203

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SB70203	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2300	BJ
SB70203	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	570	JX
SB70203	630-03-	NONACOSANE	130	JX
SB70203	638-68-	TRIACONTANE	80	JX
SB70203	630-04-	HENTRIACONTANE	170	JX

TOTAL UNKNOWN TICS: 204
TOTAL TICS 3454

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB70205

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SB70205	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2300	BJ
SB70205	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	280	JX

TOTAL UNKNOWN TICS: 140
TOTAL TICS 2720

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB70301
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B70301	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2900	BJ
B70301	112-53-	1-DODECANOL	180	JX
B70301	57-10-	HEXADECANOIC ACID	600	JX
B70301	629-99-	PENTACOSANE	200	JX
B70301	593-49-	HEPTACOSANE	320	JX
B70301	630-03-	NONACOSANE	580	JX
B70301	506-52-	1-HEXACOSANOL	210	JX
B70301	630-04-	HENTRIACONTANE	740	JX
B70301	630-05-	TRITRIACONTANE W/ UNKNOWN	390	JX
		TOTAL UNKNOWN TICS:	32520	
		TOTAL TICS	38640	

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB70303
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B70303	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2600	BJ
B70303	112-53-	1-DODECANOL	110	JX
B70303	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	81	JX
B70303	638-67-	TRICOSANE	81	JX
B70303	629-99-	PENTACOSANE	93	JX
		TOTAL UNKNOWN TICS:	29826	
		TOTAL TICS	32791	

SDG FILE: 1F42510 DATE: MATRIX:
ES: SB70305
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
B70305	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	2300	BJ
B70305	112-53-	1-DODECANOL	77	JX
B70305	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	77	JX
		TOTAL UNKNOWN TICS:	22109	
		TOTAL TICS	24563	

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW701
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW701	544-76-3	Hexadecane	3	NJ
MW701	629-78-7	Heptadecane	3	NJ
MW701	3622-84-2	Benzenesulfonamide, N-butyl-	7	NJ
MW701	629-92-5	Nonadecane	2	NJ
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	15	

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW702
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
		TOTAL UNKNOWN TICS:	11	
		TOTAL TICS	11	

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW703
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW703	134-62-3	Diethyltoluamide	4	NJ
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	4	

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW704
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW704	134-62-3	Diethyltoluamide	4	NJ
MW704	544-76-3	Hexadecane	3	NJ
MW704	629-78-7	Heptadecane	4	NJ
MW704	1921-70-6	Pentadecane, 2,6,10,14-tetra	2	NJ
MW704	593-45-3	Octadecane	3	NJ
MW704	629-92-5	Nonadecane	3	NJ
		TOTAL UNKNOWN TICS:	0	
		TOTAL TICS	19	

SDG FILE: 1F43663 DATE: MATRIX:
ES: SD701
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD701	556-67-2	Cyclotetrasiloxane, octameth	540	NJ
SD701	541-02-6	Cyclopentasiloxane, decameth	2600	NJ
SD701	540-97-6	Cyclohexasiloxane, dodecamet	3900	NJ
SD701	91-64-5	2H-1-Benzopyran-2-one	1100	NJ
SD701	57-10-3	Hexadecanoic acid	700	NJ
SD701	57-88-5	Cholesterol	1200	NJ
		TOTAL UNKNOWN TICS:	27970	
		TOTAL TICS	38010	

SDG FILE: 1F43663 DATE: MATRIX:
ES: SD702
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
SD702	57-10-3	Hexadecanoic acid	1000	NJ
SD702	630-03-5	Nonacosane	220	NJ
SD702	57-88-5	Cholesterol	710	NJ
		TOTAL UNKNOWN TICS:	3770	
		TOTAL TICS	5700	

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7111
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7111	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	60000	BJ
TP7111	832-71-	PHENANTHRENE, 3-METHYL-	5600	JN
TP7111	2531-84-	PHENANTHRENE, 2-METHYL-	8600	JX
TP7111	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	14000	JX
TP7111	612-94-	NAPHTHALENE, 2-PHENYL-	3700	JX
TP7111	84-65-	9,10 ANTHRCENEDIONE	3900	JX
TP7111	238-84-	11H-BENZO[A]FLUORENE	16000	JX
TP7111	243-17-	11H-BENZO[B]FLUORENE	8200	JX
TP7111	2381-21-	PYRENE, 1-METHYL-	3900	JX
TP7111	195-19-	BENZO[C]PHENANTHRENE W/BENZO	7900	JX
TP7111	192-97-	BENZO[E]PYRENE	18000	JX
TP7111	198-55-	PERYLENE	6200	JX

TOTAL UNKNOWN TICS: 24900
TOTAL TICS 180900

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7112
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7112	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	3000	BJ
TP7112	132-65-	DIBENZOTHIOPHENE	140	JX
TP7112	832-71-	PHENANTHRENE, 3-METHYL-	230	JX
TP7112	2531-84-	PHENANTHRENE, 2-METHYL-	320	JX
TP7112	613-12-	ANTHRACENE, 2-METHYL-	150	JX
TP7112	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	590	JX
TP7112	612-94-	NAPHTHALENE, 2-PHENYL-	180	JX
TP7112	243-42-	BENZO[B]NAPHTHO[2,3-D]FURAN	150	JX
TP7112	238-84-	11H-BENZO[A]FLUORENE	560	JX
TP7112	243-17-	11H-BENZO[B]FLUORENE	330	JX
TP7112	2381-21-	PYRENE, 2-METHYL-	210	JX
TP7112	239-35-	BENZO[B]NAPHTHO[2,1-D]THIOPH	160	JX
TP7112	195-19-	BENZO[C]PHENANTHRENE	200	JX
TP7112	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	280	BJ
TP7112	192-97-	BENZO[E]PYRENE	590	JX

TOTAL UNKNOWN TICS: 1500
TOTAL TICS 8590

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7113
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7113	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	8800	BJ
TP7113	112-53-	1-DODECANOL	150	BJ
TP7113	2531-84-	PHENANTHRENE, 2-METHYL-	90	JX
TP7113	203-64-	4H-CYCLOPENTA[DEF]PHENANTHRE	200	JX
TP7113	238-84-	11H-BENZO[A]FLUORENE	280	JX
TP7113	243-17-	11H-BENZO[B]FLUORENE	150	JX
TP7113	203-12-	BENZO[GHI]FLUORANTHENE W/BEN	160	JX
TP7113	630-03-	NONACOSANE	110	JX
TP7113	192-97-	BENZO[E]PYRENE	500	JX
TP7113	198-55-	PERYLENE	220	JX
TP7113	630-04-	HENTRIACONTANE	90	JX
TP7113	191-26-	DIBENZO[DEF,MNO]CHRYSENE	94	JX
TP7113	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	2100	BJ

TOTAL UNKNOWN TICS: 1674
TOTAL TICS 14618

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7114
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7114	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	11000	BJ
TP7114	112-53-	1-DODECANOL	160	BJ
TP7114	630-03-	NONACOSANE	98	JX
TP7114	192-97-	BENZO[E]PYRENE	140	JX
TP7114	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	1200	BJ

TOTAL UNKNOWN TICS: 210
TOTAL TICS 12808

SDG FILE: 1E44665 DATE: MATRIX:
ES: TP7121
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.

TOTAL UNKNOWN TICS: 166
TOTAL TICS 166

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7121
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7121	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	43000	BJ
TP7121	6044-71-	DODECANE, 6-METHYL-	2300	JX
TP7121	629-50-	TRIDECANE	2800	JX
TP7121	54965-05-	CYCLOHEXANE, 1,1,3-TRIMETHYL	2000	JX
TP7121	629-59-	TETRADECANE	4100	JX
TP7121	629-62-	PENTADECANE	5400	JX
TP7121	544-76-	HEXADECANE	5100	JX
TP7121	629-78-	HEPTADECANE	5100	JX
TP7121	1921-70-	PENTADECANE, 2,6,10,14-TETRA	15000	JX
TP7121	638-36-	HEXADECANE, 2,6,10,14-TETRAM	11000	JX
TP7121	630-03-	NONACOSANE	2200	JX

TOTAL UNKNOWN TICS: 46300
TOTAL TICS 144300

SDG FILE: 1E44665 DATE: MATRIX:
ES: TP7121
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.

TOTAL UNKNOWN TICS: 166
TOTAL TICS 166

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7121
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7121	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	43000	BJ
TP7121	6044-71-	DODECANE, 6-METHYL-	2300	JX
TP7121	629-50-	TRIDECANE	2800	JX
TP7121	54965-05-	CYCLOHEXANE, 1,1,3-TRIMETHYL	2000	JX
TP7121	629-59-	TETRADECANE	4100	JX
TP7121	629-62-	PENTADECANE	5400	JX
TP7121	544-76-	HEXADECANE	5100	JX
TP7121	629-78-	HEPTADECANE	5100	JX
TP7121	1921-70-	PENTADECANE, 2,6,10,14-TETRA	15000	JX
TP7121	638-36-	HEXADECANE, 2,6,10,14-TETRAM	11000	JX
TP7121	630-03-	NONACOSANE	2200	JX

TOTAL UNKNOWN TICS: 46300
TOTAL TICS 144300

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7122
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7122	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	6700	BJ
TP7122	112-53-	1-DODECANOL	170	BJ
TP7122	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	130	JX
TP7122	238-84-	11H-BENZO[A]FLUORENE	85	JX
TP7122	192-97-	BENZO[E]PYRENE	260	JX
TP7122	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	1200	BJ

TOTAL UNKNOWN TICS: 347
TOTAL TICS 8892

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7122
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7122	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	6700	BJ
TP7122	112-53-	1-DODECANOL	170	BJ
TP7122	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	130	JX
TP7122	238-84-	11H-BENZO[A]FLUORENE	85	JX
TP7122	192-97-	BENZO[E]PYRENE	260	JX
TP7122	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	1200	BJ

TOTAL UNKNOWN TICS: 347
TOTAL TICS 8892

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7123
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7123	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5100	BJ
TP7123	112-53-	1-DODECANOL	150	BJ
TP7123	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	1400	BJ

TOTAL UNKNOWN TICS: 588
TOTAL TICS 7238

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7123

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7123	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	5100	BJ
TP7123	112-53-	1-DODECANOL	150	BJ
TP7123	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	1400	BJ

TOTAL UNKNOWN TICS: 588
TOTAL TICS 7238

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7124
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7124	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	4500	BJ
TP7124	112-53-	1-DODECANOL	190	BJ
TP7124	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	190	JX
TP7124	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	2200	BJ

TOTAL UNKNOWN TICS: 448
TOTAL TICS 7528

SDG FILE: 1F44665 DATE: MATRIX:
ES: TP7124
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
TP7124	123-42-	2-PENTANONE, 4-HYDROXY-4-MET	4500	BJ
TP7124	112-53-	1-DODECANOL	190	BJ
TP7124	74381-40-	PROPANOIC ACID, 2-METHYL-, 1	190	JX
TP7124	123-28-	PROPANOIC ACID, 3,3'-THIOBIS	2200	BJ

TOTAL UNKNOWN TICS: 448
TOTAL TICS 7528

SDG FILE: 1F45257 DATE: MATRIX:
ES: MW713
LAB:

ESID	CAS NO	COMPOUND	RESULT	QUAL.
MW713	3622-84-2	Benzenesulfonamide, N-butyl-	16	NJ

TOTAL UNKNOWN TICS: 7
TOTAL TICS 23

APPENDIX G

CONTRACT REQUIRED QUANTITATION LIMIT

APPENDIX G

CONTRACT REQUIRED QUANTITATION LIMITS

These tables present quantitation limits that were used for the analysis of the samples in this report. The version of these tables in the 15 SWMU Work Plan contain quantitation limits that were updated subsequent to the time the 15 SWMU Work Plan was issued.

TABLE C-2
PARAMETER LIST FOR INORGANIC AND ORGANIC ANALYSES

	Preparation Method	Analytical Method	Reporting Limits (ug/Kg)
I. Soil and Sediment Analyses			
A. Inorganics (TAL)			
i. Aluminum	NYSDEC CLP	NYSDEC CLP	20,000
ii. Antimony	NYSDEC CLP	NYSDEC CLP	6,000
iii. Arsenic	NYSDEC CLP	NYSDEC CLP	1,000
iv. Barium	NYSDEC CLP	NYSDEC CLP	20,000
v. Beryllium	NYSDEC CLP	NYSDEC CLP	500
vi. Cadmium	NYSDEC CLP	NYSDEC CLP	500
vii. Calcium	NYSDEC CLP	NYSDEC CLP	500,000
viii. Chromium	NYSDEC CLP	NYSDEC CLP	1,000
ix. Cobalt	NYSDEC CLP	NYSDEC CLP	5,000
x. Copper	NYSDEC CLP	NYSDEC CLP	2,500
xi. Iron	NYSDEC CLP	NYSDEC CLP	10,000
xii. Lead	NYSDEC CLP	NYSDEC CLP	300
xiii. Magnesium	NYSDEC CLP	NYSDEC CLP	500,000
xiv. Manganese	NYSDEC CLP	NYSDEC CLP	1,500
xv. Mercury	NYSDEC CLP	NYSDEC CLP	20
xvi. Nickel	NYSDEC CLP	NYSDEC CLP	4,000
xvii. Potassium	NYSDEC CLP	NYSDEC CLP	500,000
xviii. Selenium	NYSDEC CLP	NYSDEC CLP	500
xix. Silver	NYSDEC CLP	NYSDEC CLP	1,000
xx. Sodium	NYSDEC CLP	NYSDEC CLP	500,000
xxi. Thallium	NYSDEC CLP	NYSDEC CLP	1,000
xxii. Vanadium	NYSDEC CLP	NYSDEC CLP	5,000
xxiii. Zinc	NYSDEC CLP	NYSDEC CLP	2,000
xxiv. Cyanide, total	NYSDEC CLP	NYSDEC CLP	1,000
B. Organics			
i. TCL Volatile Organics	NYSDEC CLP	NYSDEC CLP	Table C-3
ii. TCL Semivolatile Organics	NYSDEC CLP	NYSDEC CLP	Table C-4
iii. TCL Pesticide/PCBs	NYSDEC CLP	NYSDEC CLP	Table C-5
iv. Explosives	8330	8330	Table C-6
v. Herbicides	8150	8150	Table C-7
vi. Volatile Organics	-	524.2	Table C-8
C. Other Analytes			
i. Fluoride	Extract[1]	340.2	500 μg/kg
ii. Nitrate	Extract[1]	353.2	100 μg/kg
iii. Total Petroleum Hydrocarbons	418.1	418.1	25 mg/kg

TABLE C-2 (Continued)
PARAMETER LIST FOR INORGANIC AND ORGANIC ANALYSES

			Preparation Method	Analytical Method	Reporting Limits
II.	Groundwater and Surface Water Analyses				(ug/L)
	A.	Inorganics (TAL)			
	1.	Aluminum	NYSDEC CLP	NYSDEC CLP	200
	2.	Antimony	NYSDEC CLP	NYSDEC CLP	60
	3.	Arsenic	NYSDEC CLP	NYSDEC CLP	10
	4.	Barium	NYSDEC CLP	NYSDEC CLP	200
	5.	Beryllium	NYSDEC CLP	NYSDEC CLP	5
	6.	Cadmium	NYSDEC CLP	NYSDEC CLP	5
	7.	Calcium	NYSDEC CLP	NYSDEC CLP	5,000
	8.	Chromium	NYSDEC CLP	NYSDEC CLP	10
	9.	Cobalt	NYSDEC CLP	NYSDEC CLP	50
	10	Copper	NYSDEC CLP	NYSDEC CLP	25
	11.	Iron	NYSDEC CLP	NYSDEC CLP	100
	12.	Lead	NYSDEC CLP	NYSDEC CLP	3
	13.	Magnesium	NYSDEC CLP	NYSDEC CLP	5,000
	14.	Manganese	NYSDEC CLP	NYSDEC CLP	15
	15.	Mercury	NYSDEC CLP	NYSDEC CLP	0.2
	16.	Nickel	NYSDEC CLP	NYSDEC CLP	40
	17.	Potassium	NYSDEC CLP	NYSDEC CLP	5,000
	18.	Selenium	NYSDEC CLP	NYSDEC CLP	5
	19.	Silver	NYSDEC CLP	NYSDEC CLP	10
	20.	Sodium	NYSDEC CLP	NYSDEC CLP	5,000
	21.	Thallium	NYSDEC CLP	NYSDEC CLP	10
	22.	Vanadium	NYSDEC CLP	NYSDEC CLP	50
	23.	Zinc	NYSDEC CLP	NYSDEC CLP	20
	24.	Cyanide, total	NYSDEC CLP	NYSDEC CLP	10
	B.	Organics			
	1.	TCL Volatile Organics	NYSDEC CLP	NYSDEC CLP	Table C-3
	2.	TCL Semivolatile Organics	NYSDEC CLP	NYSDEC CLP	Table C-4
	3.	TCL Pesticide/PCBs	NYSDEC CLP	NYSDEC CLP	Table C-5
	4.	Explosives	8330	8330	Table C-6
	5.	Herbicides	8150	8150	Table C-7
	6.	Volatile Organics	-	524.2	Table C-8
	C.	Other Analytes			
	1.	Nitrate	-	353.2	10
	2.	Fluoride	-	340.2	100
	3.	Total Petroleum Hydrocarbons	418.1	418.1	500
III.	Oil Analyses				
	1.	Oil Fingerprint Identification	NYSDOH Method 310-14	NYSDOH Method 310-14	Not Applicable
	2.	PCBs	8080	8080	1 ug/kg[3]
	3.	Herbicides	8150	8150	Table C-7
IV.	Asbestos			PLM[2]	

1. Mix a known quantity of soil in known volume of water, stir, then filter to form aqueous extract.
2. Polarized light microscopy in EPA 600/M4-82-020.
3. Detection limit is 1 ug PCB per Kg oil for each of the following Aroclors: 1016, 1221, 1232, 1242, 1248, 1254, and 1260.

TABLE C-3
CONTRACT REQUIRED QUANTITATION LIMITS*
FOR VOLATILE ORGANIC COMPOUNDS (VOCs)

VOCs		Quantitation Limits** Water (ug/L)	Low Soil/Sediment[a] (ug/Kg)
1.	Chloromethane	10	10
2.	Bromomethane	10	10
3.	Vinyl Chloride	10	10
4.	Chloroethane	10	10
5.	Methylene Chloride	10	10
6.	Acetone	10	10
7.	Carbon Disulfide	10	10
8.	1,1-Dichloroethene	10	10
9.	1,1-Dichloroethane	10	10
10.	1,2-Dichloroethene (total)	10	10
11.	Chloroform	10	10
12.	1,2-Dichloroethane	10	10
13.	2-Butanone	10	10
14.	1,1,1-Trichloroethane	10	10
15.	Carbon Tetrachloride	10	10
16.	Bromodichloromethane	10	10
17.	1,2-Dichloropropane	10	10
18.	cis-1,3-Dichloropropene	10	10
19.	Trichloroethene	10	10
20.	Dibromochloromethane	10	10
21.	1,1,2-Trichloroethane	10	10
22.	Benzene	10	10
23.	trans-1,3-Dichloropropene	10	10
24.	Bromoform	10	10
25.	4-Methyl-2-pentanone	10	10
26.	2-Hexanone	10	10
27.	Tetrachloroethene	10	10
28.	Toluene	10	10
29.	1,1,2,2-Tetrachloroethane	10	10
30.	Chlorobenzene	10	10
31.	Ethyl Benzene	10	10
32.	Styrene	10	10
33.	Xylenes (Total)	10	10
	Methyl Tert-Butyl Ether	10	10

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[a] Medium Soil/Sediment Contract Required Quantitation Limits (CRQL) for volatile TCL Compounds are 125 times the individual Low Soil/Sediment CRQL.

* Specific quantitation limits are highly matrix dependent. The quantitation limits listed herein are provided for guidance and may not always be achievable.

** Quantitation limits listed for soil/sediment are based on wet weight. The quantitation limits calculated by the laboratory for soil/sediment, calculated on dry weight based as required by the contract, will be higher.

TABLE C-4

CONTRACT REQUIRED QUANTITATION LIMITS*
FOR SEMIVOLATILE COMPOUNDS (SVOs)

SVOs	Quantitation Limits** Water (ug/L)	Low Soil/Sediment[a] (ug/Kg)
34. Phenol	10	330
35. bis (2-Chloroethyl) ether	10	330
36. 2-Chlorophenol	10	330
37. 1,3-Dichlorobenzene	10	330
38. 1,4-Dichlorobenzene	10	330
39. 1,2-Dichlorobenzene	10	330
40. 2-Methylphenol	10	330
41. 2,2'-oxybis(1-Chloropropane)	10	330
42. 4-Methylphenol	10	330
43. N-Nitroso-di-n-dipropylamine	10	330
44. Hexachloroethane	10	330
45. Nitrobenzene	10	330
46. Isophorone	10	330
47. 2-Nitrophenol	10	330
48. 2,4-Dimethylphenol	10	330
49. bis (2-Chloroethoxy) methane	10	330
50. 2,4-Dichlorophenol	10	330
51. 1,2,4-Trichlorobenzene	10	330
52. Naphthalene	10	330
53. 4-Chloroaniline	10	330
54. Hexachlorobutadiene	10	330
55. 4-Chloro-3-methylphenol	10	330
56. 2-Methylnaphthalene	10	330
57. Hexachlorocyclopentadiene	10	330
58. 2,4,6-Trichlorophenol	10	330
59. 2,4,5-Trichlorophenol	25	800
60. 2-Chloronaphthalene	10	330
61. 2-Nitroaniline	25	800
62. Dimethylphthalate	10	330
63. Acenaphthylene	10	330
64. 2,6-Dinitrotoluene	10	330
65. 3-Nitroaniline	25	800
66. Acenaphthene	10	330
67. 2,4-Dinitrophenol	25	800
68. 4-Nitrophenol	25	800
69. Dibenzofuran	10	330

TABLE C-4 (cont.)

CONTRACT REQUIRED QUANTITATION LIMITS*
FOR SEMIVOLATILE COMPOUNDS (SVOs)

SVOs	Quantitation Limits** Water (ug/L)	Low Soil/Sediment[a] (ug/Kg)
70. 2,4-Dinitrotoluene	10	330
71. Diethylphthalate	10	330
72. 4-Chlorophenyl-phenyl ether	10	330
73. Fluorene	10	330
74. 4-Nitroaniline	25	800
75. 4,6-Dinitro-2-methylphenol	25	800
76. N-nitrosodiphenylamine	10	330
77. 4-Bromophenyl-phenyl ether	10	330
78 Hexachlorobenzene	10	330
79. Pentachlorophenol	25	800
80. Phenanthrene	10	330
81. Anthracene	10	330
82 Carbazole	10	330
83. Di-n-butylphthalate	10	330
84. Fluoranthene	10	330
85. Pyrene	10	330
86. Butyl benzyl phthalate	10	330
87. 3,3-Dichlorobenzidine	10	330
88. Benz(a)anthracene	10	330
89. Chrysene	10	330
90. bis(2-Ethylhexyl)phthalate	10	330
91. Di-n-octylphthalate	10	330
92. Benzo(b)fluoranthene	10	330
93. Benzo(k)fluoranthene	10	330
94. Benzo(a)pyrene	10	330
95. Indeno(1,2,3-cd)pyrene	10	330
96. Dibenz(a,h)anthracene	10	330
97. Benzo(g,h,i)perylene	10	330

[a] Medium Soil/Sediment Contract Required Quantitation Limits (CRQL) for semivolatile TCL Compounds are 60 times the individual Low Soil/Sediment CRQL.

* Specific quantitation limits are highly matrix dependent. The quantitation limits listed herein are provided for guidance and may not always be achievable.

** Quantitation limits listed for soil/sediment are based on wet weight. The quantitation limits calculated by the laboratory for soil/sediment, calculated on dry weight based as required by the contract, will be higher.

TABLE C-5

CONTRACT REQUIRED QUANTITATION LIMITS*
FOR PESTICIDES AND POLYCHLORINATED BIPHENYLS (PCBs)

Pesticides/PCBs	Quantitation Limits** Water (ug/L)	Low Soil/Sediment[a] (ug/Kg)
alpha-BHC	0.05	1.7
beta-BHC	0.05	1.7
delta-BHC	0.05	1.7
gamma-BHC (Lindane)	0.05	1.7
Heptachlor	0.05	1.7
Aldrin	0.05	1.7
Heptachlor epoxide	0.05	1.7
Endosulfan I	0.05	1.7
Dieldrin	0.10	3.3
4,4-DDE	0.10	3.3
Endrin	0.10	3.3
Endosulfan II	0.10	3.3
4,4-DDD	0.10	3.3
Endosulfan sulfate	0.10	3.3
4,4-DDT	0.10	3.3
Methoxychlor	0.5	17
Endrin Ketone	0.10	3.3
Endrin aldehyde	0.10	3.3
alpha-Chlordane	0.05	1.7
gamma-Chlordane	0.05	1.7
Toxaphene	5.0	170
Aroclor-1016	1.0	33
Aroclor-1221	2.0	67
Aroclor-1232	1.0	33
Aroclor-1242	1.0	33
Aroclor-1248	1.0	33
Aroclor-1254	1.0	33
Aroclor-1260	1.0	33

[a] Medium Soil/Sediment Contract Required Quantitation Limits (CRQL) for pesticide/PCB TCL Compounds are 15 times the individual Low Soil/Sediment CRQL.

* Specific quantitation limits are highly matrix dependent. The quantitation limits listed herein are provided for guidance and may not always be achievable.

** Quantitation limits listed for soil/sediment are based on wet weight. The quantitation limits calculated by the laboratory for soil/sediment, calculated on dry weight based as required by the contract, will be higher.

TABLE C-6
METHOD 8330 QUANTITATION LIMITS
FOR EXPLOSIVES

Compound	Quantitation Limits** Water (ug/L)	Soil/Sediment[a] (ug/Kg)
HMX	0.13	130
RDX	0.13	130
1,3,5-TNB	0.13	130
1,3-DNB	0.13	130
Tetryl	0.13	130
2,4,6-TNT	0.13	130
4-AM-DNT*	0.13	130
2-AM-DNT*	0.13	130
2,6-DNT	0.13	130
2,4-DNT	0.13	130

[a] See Table C-3 for a discussion of Quantitition Limits
** See Table C-3 for a discussion of Soil Quantitation Limits
* Breakdown Degradation Products

TABLE C-7
METHOD 8150 QUANTITATION LIMITS
FOR HERBICIDES

Parameter	Quantitation Limits Water (ug/L)	Soil/Sediment (ug/Kg)
2,4-D	0.94	47
2,4-DB	0.95	48
2,4,5-T	0.095	4.8
2,4,5-TP/Silvex+der.	0.095	4.8
Dicamba (banvel)	0.094	4.7
Dalapon	2.3	120
Dichlorprop	0.94	47
Dinoseb	0.47	24
MCPA	93	4700
MCPP	94	4700

APPENDIX H

RADIOLOGICAL DOSE CALCULATION PARAMETERS

MODELLING OF EQUIVALENT DOSE DUE TO BETA RADIATION FROM POTASSIUM 40 IN GROUNDWATER

Modelling of Beta Radiation Dose from the Ingestion of K-40 in Water

The formula for calculating the annual dose from K-40 in the body is presented below:

$$DR = 51CEt$$

DR = Dose Rate (rad/day)
E = Beta energy released (in MeV) per disintegration of the radionuclide
t = Time period for dose calculation (in days)
C = Concentration of radionuclide (in μCi) per gram of tissue

For comparisons to the state and federal criteria (expressed as dose per year), the time period (t) for the dose calculation was set at one year. The average energy released per disintegration of K-40 is 0.556 MeV.

The human body maintains potassium at a level of approximately 140g in an adult of 70 Kg (70,000 grams). The concentration of K-40 in the body from the ingestion of water was determined by multiplying the reported concentration (in pCi/Liter) by two (to account for a daily consumption of 2 liters of water). The body absorbs approximately 100% of all potassium ingested and fractional uptake of 1.0 was assumed.

Therefore, the concentration, C, calculated for the human body is:

$$C = \frac{intake\ \frac{\mu Ci}{L} \cdot 2L}{70,000\ grams}$$

To convert the dose in millirad to millirem, a quality factor of 1 is multiplied to the dose in millirads to yield a dose in millirems:

$D_{mrem} = D_{mrad} \cdot Q$
Q = 1 for beta radiation

MODELLING OF EQUIVALENT DOSE DUE TO BETA RADIATION FROM RADIUM-226 IN GROUNDWATER

The formula for calculating the annual dose to a specific tissue from the dissintegrations of radionuclides is presented below:

$$D = 73.8 \frac{dis \cdot g \cdot rad}{day \cdot \mu Ci \cdot MeV} \cdot C\, E_{\beta} T_{e}^{h}\ (1-f)\ t$$

D = dose in rads
C = concentration of radionuclide per gram of tissue
E_{β} = average beta energy per disintegration in MeV
T^{h}_{e} = effective half-life (in days)
t = time period of exposure (in days)
f = fraction of radionuclide remaining at end of time period

A background concentration of 39 pCi/L of β radiation was assumed based on the total gross β radiation detected at the background location (MW12A-1). All gross β radiation above 39 pCi/L was assumed to originate from the decay of Radium-226 decay products.

Radium 226 is a bone surface seeker and therefore the dose calculations were performed for a retention of Ra-226 in bone. The long-term retention of Ra-226 in bone, following unit uptake to blood, is given by the equation

$$R_s(t) = 0.54e^{-0.693t/0.4} + 0.29e^{-0.693t/5} + 0.11e^{-0.693t/60} + 0.04e^{-0.693t/700} + 0.02e^{-0693t/5000}$$

The first term indicates that 54% is retained with an effective half-life of 0.4 days, 29% with an effective half-life 5 days, 11% with an effective half-life of 60 days, 4% with an effective half-life of 700 days and 2% with an effective half-life of 5000 days.

Therefore, the concentration in bone is given as:

$$C = Concentration\ ingested\ \frac{\mu Ci}{L} \cdot 2\frac{L}{day} \cdot U \cdot r_{\beta}^{x} \cdot R_{s(T_h^e)}/7000g$$

U = Fractional uptake to blood following ingestion and is equal to 0.2 for Ra-226
r^{x}_{β} = retention factor of Rn-222 and associated radionuclides in bone.
$R_s(T_h^e)$ = Percent of Ra-226 retained in bone during the effective half-life T_h^e.

7000g = Mass of bone in a 70Kg human.

The average energy from the beta emissions in the decay series of Ra-226 is 0.98 MeV. The retention factor (r_β) for Rn-222 and associated radionuclides is 0.3. The total dose (in rads) from the continuous ingestion of Ra-226 is determined by summing the dose calculated for each effective half-life period. The factors for (1-f) are given as:

1	for the effective half-life periods of 0.4 day and 5 days,
.985	for 60 days
.303	for 700 days
.0494	for 5000 days

To convert the dose from rads to rems, a quality factor of 1 is multiplied to the dose calculated in rads.

The total annual dose from the ingestion of 2 liters per day is calculated as the sum of the dose from Ra-226 and the dose from 39 pCi/L of K-40. The latter value is constant and was calculated as 0.011 mrem/year.

MODELLING OF EQUIVALENT DOSE DUE TO THE GAMMA RADIATION FROM THE TRANSURANIC RADIONUCLIDES IN THE SOILS AND SEDIMENTS AT SEAD-63

The following information contains the input parameters which were used in modelling the annual dose (in mrem) from the exposure to the transuranic radionuclides detected in the soils at SEAD-12. RESRAD version 5.19 was the computer modelling program which was used to calculate the annual dose. For each media considered (soils and sediments), a unique contaminated zone and land usage scenario was modelled. Only the beginning soil or sediment concentrations were changed (for each run of the program) to reflect the concentrations of the radiounclides detected in each sample. The major differences in the two models were the volume of contaminated media and the thickness of cover material. For all other input values, site specific data were used when available. In the absence of such information, average default values, consistent with the knowledge of existing SEDA conditions, were used. The model parameters which were used in the dose calculations are presented in the following pages.

DOSE CONVERSIONS FACTORS

Dose Conversion Factor (and Related) Parameter Summary
File: DOSFAC.BIN

Menu	Parameter	Current Value
A-1	Ground external gamma, volume DCF's, (mrem/yr)/(pCi/cm**3):	
A-1	Ac-227+D , soil density = 1.0 g/cm**3	2.760E+00
A-1	Ac-227+D , soil density = 1.8 g/cm**3	1.520E+00
A-1		
A-1	Pa-231 , soil density = 1.0 g/cm**3	2.210E-01
A-1	Pa-231 , soil density = 1.8 g/cm**3	1.210E-01
A-1		
A-1	Pb-210+D , soil density = 1.0 g/cm**3	4.870E-03
A-1	Pb-210+D , soil density = 1.8 g/cm**3	2.310E-03
A-1		
A-1	Ra-226+D , soil density = 1.0 g/cm**3	1.550E+01
A-1	Ra-226+D , soil density = 1.8 g/cm**3	8.560E+00
A-1		
A-1	Ra-228+D , soil density = 1.0 g/cm**3	8.180E+00
A-1	Ra-228+D , soil density = 1.8 g/cm**3	4.510E+00
A-1		
A-1	Th-228+D , soil density = 1.0 g/cm**3	1.330E+01
A-1	Th-228+D , soil density = 1.8 g/cm**3	7.360E+00
A-1		
A-1	Th-230 , soil density = 1.0 g/cm**3	2.110E-03
A-1	Th-230 , soil density = 1.8 g/cm**3	1.030E-03
A-1		
A-1	U-234 , soil density = 1.0 g/cm**3	1.580E-03
A-1	U-234 , soil density = 1.8 g/cm**3	6.970E-04
A-1		
A-1	U-235+D , soil density = 1.0 g/cm**3	8.940E-01
A-1	U-235+D , soil density = 1.8 g/cm**3	4.900E-01
A-1		
A-1	U-238+D , soil density = 1.0 g/cm**3	1.270E-01
A-1	U-238+D , soil density = 1.8 g/cm**3	6.970E-02
A-3	Depth factors, ground external gamma, dimensionless:	
A-3	Ac-227+D , soil density = 1.0 g/cm**3, thickness = .15 m	7.900E-01
A-3	Ac-227+D , soil density = 1.0 g/cm**3, thickness = 0.5 m	9.700E-01
A-3	Ac-227+D , soil density = 1.0 g/cm**3, thickness = 1.0 m	1.000E+00
A-3	Ac-227+D , soil density = 1.8 g/cm**3, thickness = .15 m	9.100E-01
A-3	Ac-227+D , soil density = 1.8 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	Ac-227+D , soil density = 1.8 g/cm**3, thickness = 1.0 m	1.000E+00
A-3		
A-3	Pa-231 , soil density = 1.0 g/cm**3, thickness = .15 m	7.900E-01
A-3	Pa-231 , soil density = 1.0 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	Pa-231 , soil density = 1.0 g/cm**3, thickness = 1.0 m	1.000E+00
A-3	Pa-231 , soil density = 1.8 g/cm**3, thickness = .15 m	9.200E-01
A-3	Pa-231 , soil density = 1.8 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	Pa-231 , soil density = 1.8 g/cm**3, thickness = 1.0 m	1.000E+00
A-3		

Dose Conversion Factor (and Related) Parameter Summary (cont
File: DOSFAC.BIN

Menu	Parameter	Current Value
A-3	Pb-210+D , soil density = 1.0 g/cm**3, thickness = .15 m	8.800E-01
A-3	Pb-210+D , soil density = 1.0 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	Pb-210+D , soil density = 1.0 g/cm**3, thickness = 1.0 m	1.000E+00
A-3	Pb-210+D , soil density = 1.8 g/cm**3, thickness = .15 m	9.700E-01
A-3	Pb-210+D , soil density = 1.8 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	Pb-210+D , soil density = 1.8 g/cm**3, thickness = 1.0 m	1.000E+00
A-3		
A-3	Ra-226+D , soil density = 1.0 g/cm**3, thickness = .15 m	6.300E-01
A-3	Ra-226+D , soil density = 1.0 g/cm**3, thickness = 0.5 m	9.200E-01
A-3	Ra-226+D , soil density = 1.0 g/cm**3, thickness = 1.0 m	1.000E+00
A-3	Ra-226+D , soil density = 1.8 g/cm**3, thickness = .15 m	8.500E-01
A-3	Ra-226+D , soil density = 1.8 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	Ra-226+D , soil density = 1.8 g/cm**3, thickness = 1.0 m	1.000E+00
A-3		
A-3	Ra-228+D , soil density = 1.0 g/cm**3, thickness = .15 m	6.800E-01
A-3	Ra-228+D , soil density = 1.0 g/cm**3, thickness = 0.5 m	9.700E-01
A-3	Ra-228+D , soil density = 1.0 g/cm**3, thickness = 1.0 m	1.000E+00
A-3	Ra-228+D , soil density = 1.8 g/cm**3, thickness = .15 m	8.500E-01
A-3	Ra-228+D , soil density = 1.8 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	Ra-228+D , soil density = 1.8 g/cm**3, thickness = 1.0 m	1.000E+00
A-3		
A-3	Th-228+D , soil density = 1.0 g/cm**3, thickness = .15 m	6.100E-01
A-3	Th-228+D , soil density = 1.0 g/cm**3, thickness = 0.5 m	9.400E-01
A-3	Th-228+D , soil density = 1.0 g/cm**3, thickness = 1.0 m	1.000E+00
A-3	Th-228+D , soil density = 1.8 g/cm**3, thickness = .15 m	7.500E-01
A-3	Th-228+D , soil density = 1.8 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	Th-228+D , soil density = 1.8 g/cm**3, thickness = 1.0 m	1.000E+00
A-3		
A-3	Th-230 , soil density = 1.0 g/cm**3, thickness = .15 m	9.300E-01
A-3	Th-230 , soil density = 1.0 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	Th-230 , soil density = 1.0 g/cm**3, thickness = 1.0 m	1.000E+00
A-3	Th-230 , soil density = 1.8 g/cm**3, thickness = .15 m	1.000E+00
A-3	Th-230 , soil density = 1.8 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	Th-230 , soil density = 1.8 g/cm**3, thickness = 1.0 m	1.000E+00
A-3		
A-3	U-234 , soil density = 1.0 g/cm**3, thickness = .15 m	9.000E-01
A-3	U-234 , soil density = 1.0 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	U-234 , soil density = 1.0 g/cm**3, thickness = 1.0 m	1.000E+00
A-3	U-234 , soil density = 1.8 g/cm**3, thickness = .15 m	1.000E+00
A-3	U-234 , soil density = 1.8 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	U-234 , soil density = 1.8 g/cm**3, thickness = 1.0 m	1.000E+00
A-3		
A-3	U-235+D , soil density = 1.0 g/cm**3, thickness = .15 m	8.700E-01
A-3	U-235+D , soil density = 1.0 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	U-235+D , soil density = 1.0 g/cm**3, thickness = 1.0 m	1.000E+00
A-3	U-235+D , soil density = 1.8 g/cm**3, thickness = .15 m	1.000E+00
A-3	U-235+D , soil density = 1.8 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	U-235+D , soil density = 1.8 g/cm**3, thickness = 1.0 m	1.000E+00
A-3		

Dose Conversion Factor (and Related) Parameter Summary (cont
File: DOSFAC.BIN

Menu	Parameter	Current Value
A-3	U-238+D , soil density = 1.0 g/cm**3, thickness = .15 m	7.800E-01
A-3	U-238+D , soil density = 1.0 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	U-238+D , soil density = 1.0 g/cm**3, thickness = 1.0 m	1.000E+00
A-3	U-238+D , soil density = 1.8 g/cm**3, thickness = .15 m	8.800E-01
A-3	U-238+D , soil density = 1.8 g/cm**3, thickness = 0.5 m	1.000E+00
A-3	U-238+D , soil density = 1.8 g/cm**3, thickness = 1.0 m	1.000E+00
B-1	Dose conversion factors for inhalation, mrem/pCi:	
B-1	Ac-227+D	6.700E+00
B-1	Pa-231	1.300E+00
B-1	Pb-210+D	2.100E-02
B-1	Ra-226+D	7.900E-03
B-1	Ra-228+D	4.500E-03
B-1	Th-228+D	3.100E-01
B-1	Th-230	3.200E-01
B-1	U-234	1.300E-01
B-1	U-235+D	1.200E-01
B-1	U-238+D	1.200E-01
D-1	Dose conversion factors for ingestion, mrem/pCi:	
D-1	Ac-227+D	1.500E-02
D-1	Pa-231	1.100E-02
D-1	Pb-210+D	6.700E-03
D-1	Ra-226+D	1.100E-03
D-1	Ra-228+D	1.200E-03
D-1	Th-228+D	7.500E-04
D-1	Th-230	5.300E-04
D-1	U-234	2.600E-04
D-1	U-235+D	2.500E-04
D-1	U-238+D	2.500E-04
D-34	Food transfer factors:	
D-34	Ac-227+D , plant/soil concentration ratio, dimensionless	2.500E-03
D-34	Ac-227+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	2.000E-05
D-34	Ac-227+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	2.000E-05
D-34		
D-34	Pa-231 , plant/soil concentration ratio, dimensionless	1.000E-02
D-34	Pa-231 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	5.000E-03
D-34	Pa-231 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06
D-34		
D-34	Pb-210+D , plant/soil concentration ratio, dimensionless	1.000E-02
D-34	Pb-210+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	8.000E-04
D-34	Pb-210+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	3.000E-04
D-34		
D-34	Ra-226+D , plant/soil concentration ratio, dimensionless	4.000E-02
D-34	Ra-226+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03
D-34	Ra-226+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03
D-34		
D-34	Ra-228+D , plant/soil concentration ratio, dimensionless	4.000E-02
D-34	Ra-228+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-03
D-34	Ra-228+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	1.000E-03

Dose Conversion Factor (and Related) Parameter Summary (cont
File: DOSFAC.BIN

Menu	Parameter	Current Value
D-34	Th-228+D , plant/soil concentration ratio, dimensionless	1.000E-03
D-34	Th-228+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04
D-34	Th-228+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06
D-34		
D-34	Th-230 , plant/soil concentration ratio, dimensionless	1.000E-03
D-34	Th-230 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	1.000E-04
D-34	Th-230 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	5.000E-06
D-34		
D-34	U-234 , plant/soil concentration ratio, dimensionless	2.500E-03
D-34	U-234 , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04
D-34	U-234 , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04
D-34		
D-34	U-235+D , plant/soil concentration ratio, dimensionless	2.500E-03
D-34	U-235+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04
D-34	U-235+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04
D-34		
D-34	U-238+D , plant/soil concentration ratio, dimensionless	2.500E-03
D-34	U-238+D , beef/livestock-intake ratio, (pCi/kg)/(pCi/d)	3.400E-04
D-34	U-238+D , milk/livestock-intake ratio, (pCi/L)/(pCi/d)	6.000E-04
D-5	Bioaccumulation factors, fresh water, L/kg:	
D-5	Ac-227+D , fish	1.500E+01
D-5	Ac-227+D , crustacea and mollusks	1.000E+03
D-5		
D-5	Pa-231 , fish	1.000E+01
D-5	Pa-231 , crustacea and mollusks	1.100E+02
D-5		
D-5	Pb-210+D , fish	3.000E+02
D-5	Pb-210+D , crustacea and mollusks	1.000E+02
D-5		
D-5	Ra-226+D , fish	5.000E+01
D-5	Ra-226+D , crustacea and mollusks	2.500E+02
D-5		
D-5	Ra-228+D , fish	5.000E+01
D-5	Ra-228+D , crustacea and mollusks	2.500E+02
D-5		
D-5	Th-228+D , fish	1.000E+02
D-5	Th-228+D , crustacea and mollusks	5.000E+02
D-5		
D-5	Th-230 , fish	1.000E+02
D-5	Th-230 , crustacea and mollusks	5.000E+02
D-5		
D-5	U-234 , fish	1.000E+01
D-5	U-234 , crustacea and mollusks	6.000E+01
D-5		
D-5	U-235+D , fish	1.000E+01
D-5	U-235+D , crustacea and mollusks	6.000E+01
D-5		
D-5	U-238+D , fish	1.000E+01
D-5	U-238+D , crustacea and mollusks	6.000E+01

SITE-SPECIFIC PARAMETER SUMMARY FOR THE BACKGROUND DOSE CALCULATIONS

Site-Specific Parameter Summary

Menu	Parameter	User Input	Default
R011	Area of contaminated zone (m**2)	3.500E+03	1.000E+04
R011	Thickness of contaminated zone (m)	1.000E+00	2.000E+00
R011	Length parallel to aquifer flow (m)	7.000E+01	1.000E+02
R011	Basic radiation dose limit (mrem/yr)	1.000E+02	3.000E+01
R011	Time since placement of material (yr)	3.000E+01	0.000E+00
R011	Times for calculations (yr)	1.000E+00	1.000E+00
R011	Times for calculations (yr)	3.000E+00	3.000E+00
R011	Times for calculations (yr)	1.000E+01	1.000E+01
R011	Times for calculations (yr)	3.000E+01	3.000E+01
R011	Times for calculations (yr)	1.000E+02	1.000E+02
R011	Times for calculations (yr)	3.000E+02	3.000E+02
R011	Times for calculations (yr)	1.000E+03	1.000E+03
R011	Times for calculations (yr)	3.000E+03	3.000E+03
R011	Times for calculations (yr)	1.000E+04	1.000E+04
R012	Initial principal radionuclide (pCi/g): Pb-210	3.500E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): Ra-226	1.100E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): Ra-228	1.120E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): Th-228	1.500E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): U-235	1.200E-01	0.000E+00
R012	Initial principal radionuclide (pCi/g): U-238	1.160E+00	0.000E+00
R012	Concentration in groundwater (pCi/L): Pb-210	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): Ra-226	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): Ra-228	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): Th-228	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): U-235	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): U-238	not used	0.000E+00
R013	Cover depth (m)	4.000E-01	0.000E+00
R013	Density of cover material (g/cm**3)	1.500E+00	1.500E+00
R013	Cover depth erosion rate (m/yr)	1.000E-04	1.000E-03
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00
R013	Contaminated zone erosion rate (m/yr)	1.000E-05	1.000E-03
R013	Contaminated zone total porosity	3.700E-01	4.000E-01
R013	Contaminated zone effective porosity	1.500E-01	2.000E-01
R013	Contaminated zone hydraulic conductivity (m/yr)	2.365E+01	1.000E+01
R013	Contaminated zone b parameter	1.040E+01	5.300E+00
R013	Humidity in air (g/cm**3)	not used	8.000E+00
R013	Evapotranspiration coefficient	7.400E-01	5.000E-01
R013	Precipitation (m/yr)	9.000E-01	1.000E+00
R013	Irrigation (m/yr)	2.000E-01	2.000E-01
R013	Irrigation mode	overhead	overhead
R013	Runoff coefficient	2.000E-01	2.000E-01
R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06
R013	Accuracy for water/soil computations	1.000E-03	1.000E-03
R014	Density of saturated zone (g/cm**3)	1.500E+00	1.500E+00
R014	Saturated zone total porosity	3.700E-01	4.000E-01
R014	Saturated zone effective porosity	1.500E-01	2.000E-01
R014	Saturated zone hydraulic conductivity (m/yr)	2.365E+01	1.000E+02
R014	Saturated zone hydraulic gradient	1.000E-02	2.000E-02

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
R014	Saturated zone b parameter	5.300E+00	5.300E+00
R014	Water table drop rate (m/yr)	0.000E+00	1.000E-03
R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND
R014	Well pumping rate (m**3/yr)	2.500E+02	2.500E+02
R015	Number of unsaturated zone strata	1	1
R015	Unsat. zone 1, thickness (m)	4.500E-01	4.000E+00
R015	Unsat. zone 1, soil density (g/cm**3)	1.780E+00	1.500E+00
R015	Unsat. zone 1, total porosity	3.500E-01	4.000E-01
R015	Unsat. zone 1, effective porosity	1.500E-01	2.000E-01
R015	Unsat. zone 1, soil-specific b parameter	1.040E+01	5.300E+00
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	2.365E+01	1.000E+01
R016	Distribution coefficients for Pb-210		
R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02
R016	Unsaturated zone 1 (cm**3/g)	1.000E+02	1.000E+02
R016	Saturated zone (cm**3/g)	1.000E+02	1.000E+02
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for Ra-226		
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for Ra-228		
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for Th-228		
R016	Contaminated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Unsaturated zone 1 (cm**3/g)	1.000E+04	6.000E+04
R016	Saturated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for U-235		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
R016	Distribution coefficients for U-238		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter Ac-227		
R016	Contaminated zone (cm**3/g)	2.000E+01	2.000E+01
R016	Unsaturated zone 1 (cm**3/g)	2.000E+01	2.000E+01
R016	Saturated zone (cm**3/g)	2.000E+01	2.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter Pa-231		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter Th-230		
R016	Contaminated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Unsaturated zone 1 (cm**3/g)	1.000E+04	6.000E+04
R016	Saturated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter U-234		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03
R017	Mass loading for inhalation (g/m**3)	2.000E-04	2.000E-04
R017	Dilution length for airborne dust, inhalation (m)	3.000E+00	3.000E+00
R017	Exposure duration	5.000E+01	3.000E+01
R017	Shielding factor, inhalation	4.000E-01	4.000E-01
R017	Shielding factor, external gamma	7.000E-01	7.000E-01
R017	Fraction of time spent indoors	5.000E-01	5.000E-01
R017	Fraction of time spent outdoors (on site)	2.500E-01	2.500E-01
R017	Shape factor, external gamma	1.000E+00	1.000E+00

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
R017	Fractions of annular areas within AREA:		
R017	Outer annular radius (m) = «(1/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(10/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(20/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(50/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(100/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(200/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(500/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(1000/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(5000/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(1.E+04/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(1.E+05/Ð)	not used	0.000E+00
R017	Outer annular radius (m) = «(1.E+06/Ð)	not used	0.000E+00
R018	Fruits, vegetables and grain consumption (kg/yr)	1.600E+02	1.600E+02
R018	Leafy vegetable consumption (kg/yr)	1.400E+01	1.400E+01
R018	Milk consumption (L/yr)	9.200E+01	9.200E+01
R018	Meat and poultry consumption (kg/yr)	6.300E+01	6.300E+01
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00
R018	Other seafood consumption (kg/yr)	9.000E-01	9.000E-01
R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01
R018	Drinking water intake (L/yr)	5.100E+02	5.100E+02
R018	Contamination fraction of drinking water	1.000E+00	1.000E+00
R018	Contamination fraction of household water	1.000E+00	1.000E+00
R018	Contamination fraction of livestock water	1.000E+00	1.000E+00
R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00
R018	Contamination fraction of aquatic food	0.000E+00	5.000E-01
R018	Contamination fraction of plant food	-1	-1
R018	Contamination fraction of meat	-1	-1
R018	Contamination fraction of milk	-1	-1
R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01
R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01
R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01
R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02
R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01
R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04
R019	Depth of soil mixing layer (m)	3.000E-01	1.500E-01
R019	Depth of roots (m)	5.000E-01	9.000E-01
R019	Drinking water fraction from ground water	1.000E+00	1.000E+00
R019	Household water fraction from ground water	1.000E+00	1.000E+00
R019	Livestock water fraction from ground water	1.000E+00	1.000E+00
R019	Irrigation fraction from ground water	1.000E+00	1.000E+00
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02
C14	Fraction of vegetation carbon from soil	not used	2.000E-02
C14	Fraction of vegetation carbon from air	not used	9.800E-01
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
C14	Fraction of grain in beef cattle feed	not used	8.000E-01
C14	Fraction of grain in milk cow feed	not used	2.000E-01
STOR	Storage times of contaminated foodstuffs (days):		
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01
STOR	Leafy vegetables	1.000E+00	1.000E+00
STOR	Milk	3.000E+00	1.000E+00
STOR	Meat and poultry	2.000E+01	2.000E+01
STOR	Fish	0.000E+00	7.000E+00
STOR	Crustacea and mollusks	0.000E+00	7.000E+00
STOR	Well water	1.000E+00	1.000E+00
STOR	Surface water	1.000E+00	1.000E+00
STOR	Livestock fodder	4.500E+01	4.500E+01
R021	Thickness of building foundation (m)	1.500E-01	1.500E-01
R021	Bulk density of building foundation (g/cm**3)	2.400E+00	2.400E+00
R021	Total porosity of the cover material	4.000E-01	4.000E-01
R021	Total porosity of the building foundation	1.000E-01	1.000E-01
R021	Volumetric water content of the cover material	5.000E-02	5.000E-02
R021	Volumetric water content of the foundation	3.000E-02	3.000E-02
R021	Diffusion coefficient for radon gas (m/sec):		
R021	in cover material	2.000E-06	2.000E-06
R021	in foundation material	3.000E-07	3.000E-07
R021	in contaminated zone soil	2.000E-06	2.000E-06
R021	Radon vertical dimension of mixing (m)	2.000E+00	2.000E+00
R021	Average annual wind speed (m/sec)	2.000E+00	2.000E+00
R021	Average building air exchange rate (1/hr)	5.000E-01	5.000E-01
R021	Height of the building (room) (m)	2.500E+00	2.500E+00
R021	Building interior area factor	0.000E+00	0.000E+00
R021	Building depth below ground surface (m)	1.000E+00	1.000E+00
R021	Emanating power of Rn-222 gas	2.500E-01	2.500E-01
R021	Emanating power of Rn-220 gas	1.500E-01	1.500E-01

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	active
4 -- meat ingestion	active
5 -- milk ingestion	active
6 -- aquatic foods	active
7 -- drinking water	active
8 -- soil ingestion	active
9 -- radon	active

Contaminated Zone Dimensions
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Area:	3500.00 square meters
Thickness:	1.00 meters
Cover Depth:	0.40 meters

Initial Soil Concentrations, pCi/g
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Pb-210	3.500E+00
Ra-226	1.100E+00
Ra-228	1.120E+00
Th-228	1.500E+00
U-235	1.200E-01
U-238	1.160E+00

Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 100 mrem/y
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Re
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t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02
TDOSE(t):	6.658E+01	6.618E+01	6.538E+01	6.308E+01	5.848E+01	4.790E+01
M(t):	6.658E-01	6.618E-01	6.538E-01	6.308E-01	5.848E-01	4.790E-01

Maximum TDOSE(t): 6.658E+01 mrem/yr   at t = 0.000E+00 years

SITE-SPECIFIC PARAMETER SUMMARY FOR SOIL MODEL

(Input Parameters from TP63-1 are presented. The only input parameters which were changed during the dose calculations of the remaining samples were the initial concentrations of the radionuclides)

Site-Specific Parameter Summary

Menu	Parameter	User Input	Default
R011	Area of contaminated zone (m**2)	1.561E+04	1.000E+04
R011	Thickness of contaminated zone (m)	2.000E+00	2.000E+00
R011	Length parallel to aquifer flow (m)	1.060E+02	1.000E+02
R011	Basic radiation dose limit (mrem/yr)	1.000E+02	3.000E+01
R011	Time since placement of material (yr)	3.000E+01	0.000E+00
R011	Times for calculations (yr)	1.000E+00	1.000E+00
R011	Times for calculations (yr)	3.000E+00	3.000E+00
R011	Times for calculations (yr)	1.000E+01	1.000E+01
R011	Times for calculations (yr)	3.000E+01	3.000E+01
R011	Times for calculations (yr)	1.000E+02	1.000E+02
R011	Times for calculations (yr)	3.000E+02	3.000E+02
R011	Times for calculations (yr)	1.000E+03	1.000E+03
R011	Times for calculations (yr)	3.000E+03	3.000E+03
R011	Times for calculations (yr)	1.000E+04	1.000E+04
R012	Initial principal radionuclide (pCi/g): Pb-210	2.200E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): Ra-226	1.900E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): Ra-228	1.600E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): Th-228	1.600E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): U-235	1.400E-01	0.000E+00
R012	Initial principal radionuclide (pCi/g): U-238	7.100E-01	0.000E+00
R012	Concentration in groundwater (pCi/L): Pb-210	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): Ra-226	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): Ra-228	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): Th-228	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): U-235	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): U-238	not used	0.000E+00
R013	Cover depth (m)	3.300E-01	0.000E+00
R013	Density of cover material (g/cm**3)	1.780E+00	1.500E+00
R013	Cover depth erosion rate (m/yr)	1.000E-04	1.000E-03
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00
R013	Contaminated zone erosion rate (m/yr)	1.000E-03	1.000E-03
R013	Contaminated zone total porosity	3.700E-01	4.000E-01
R013	Contaminated zone effective porosity	1.500E-01	2.000E-01
R013	Contaminated zone hydraulic conductivity (m/yr)	2.365E+01	1.000E+01
R013	Contaminated zone b parameter	1.040E+01	5.300E+00
R013	Humidity in air (g/cm**3)	not used	8.000E+00
R013	Evapotranspiration coefficient	7.400E-01	5.000E-01
R013	Precipitation (m/yr)	9.000E-01	1.000E+00
R013	Irrigation (m/yr)	2.000E-01	2.000E-01
R013	Irrigation mode	overhead	overhead
R013	Runoff coefficient	2.000E-01	2.000E-01
R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06
R013	Accuracy for water/soil computations	1.000E-03	1.000E-03
R014	Density of saturated zone (g/cm**3)	1.500E+00	1.500E+00
R014	Saturated zone total porosity	3.700E-01	4.000E-01
R014	Saturated zone effective porosity	1.500E-01	2.000E-01
R014	Saturated zone hydraulic conductivity (m/yr)	2.365E+01	1.000E+02
R014	Saturated zone hydraulic gradient	1.000E-02	2.000E-02

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
R014	Saturated zone b parameter	5.300E+00	5.300E+00
R014	Water table drop rate (m/yr)	0.000E+00	1.000E-03
R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND
R014	Well pumping rate (m**3/yr)	2.500E+02	2.500E+02
R015	Number of unsaturated zone strata	1	1
R015	Unsat. zone 1, thickness (m)	5.000E-01	4.000E+00
R015	Unsat. zone 1, soil density (g/cm**3)	1.780E+00	1.500E+00
R015	Unsat. zone 1, total porosity	3.500E-01	4.000E-01
R015	Unsat. zone 1, effective porosity	1.500E-01	2.000E-01
R015	Unsat. zone 1, soil-specific b parameter	1.040E+01	5.300E+00
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	2.365E+01	1.000E+01
R016	Distribution coefficients for Pb-210		
R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02
R016	Unsaturated zone 1 (cm**3/g)	1.000E+02	1.000E+02
R016	Saturated zone (cm**3/g)	1.000E+02	1.000E+02
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for Ra-226		
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for Ra-228		
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for Th-228		
R016	Contaminated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Unsaturated zone 1 (cm**3/g)	1.000E+04	6.000E+04
R016	Saturated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for U-235		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
R016	Distribution coefficients for U-238		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter Ac-227		
R016	Contaminated zone (cm**3/g)	2.000E+01	2.000E+01
R016	Unsaturated zone 1 (cm**3/g)	2.000E+01	2.000E+01
R016	Saturated zone (cm**3/g)	2.000E+01	2.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter Pa-231		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter Th-230		
R016	Contaminated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Unsaturated zone 1 (cm**3/g)	1.000E+04	6.000E+04
R016	Saturated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter U-234		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03
R017	Mass loading for inhalation (g/m**3)	2.000E-04	2.000E-04
R017	Dilution length for airborne dust, inhalation (m)	3.000E+00	3.000E+00
R017	Exposure duration	5.000E+01	3.000E+01
R017	Shielding factor, inhalation	4.000E-01	4.000E-01
R017	Shielding factor, external gamma	7.000E-01	7.000E-01
R017	Fraction of time spent indoors	5.000E-01	5.000E-01
R017	Fraction of time spent outdoors (on site)	2.500E-01	2.500E-01
R017	Shape factor, external gamma	1.000E+00	1.000E+00

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
R017	Fractions of annular areas within AREA:		
R017	Outer annular radius (m) = «(1/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(10/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(20/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(50/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(100/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(200/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(500/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(1000/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(5000/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(1.E+04/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(1.E+05/Ð)	not used	0.000E+00
R017	Outer annular radius (m) = «(1.E+06/Ð)	not used	0.000E+00
R018	Fruits, vegetables and grain consumption (kg/yr)	1.600E+02	1.600E+02
R018	Leafy vegetable consumption (kg/yr)	1.400E+01	1.400E+01
R018	Milk consumption (L/yr)	9.200E+01	9.200E+01
R018	Meat and poultry consumption (kg/yr)	6.300E+01	6.300E+01
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00
R018	Other seafood consumption (kg/yr)	9.000E-01	9.000E-01
R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01
R018	Drinking water intake (L/yr)	5.100E+02	5.100E+02
R018	Contamination fraction of drinking water	1.000E+00	1.000E+00
R018	Contamination fraction of household water	1.000E+00	1.000E+00
R018	Contamination fraction of livestock water	1.000E+00	1.000E+00
R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00
R018	Contamination fraction of aquatic food	0.000E+00	5.000E-01
R018	Contamination fraction of plant food	-1	-1
R018	Contamination fraction of meat	-1	-1
R018	Contamination fraction of milk	-1	-1
R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01
R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01
R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01
R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02
R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01
R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04
R019	Depth of soil mixing layer (m)	3.000E-01	1.500E-01
R019	Depth of roots (m)	5.000E-01	9.000E-01
R019	Drinking water fraction from ground water	1.000E+00	1.000E+00
R019	Household water fraction from ground water	1.000E+00	1.000E+00
R019	Livestock water fraction from ground water	1.000E+00	1.000E+00
R019	Irrigation fraction from ground water	1.000E+00	1.000E+00
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02
C14	Fraction of vegetation carbon from soil	not used	2.000E-02
C14	Fraction of vegetation carbon from air	not used	9.800E-01
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
C14	Fraction of grain in beef cattle feed	not used	8.000E-01
C14	Fraction of grain in milk cow feed	not used	2.000E-01
STOR	Storage times of contaminated foodstuffs (days):		
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01
STOR	Leafy vegetables	1.000E+00	1.000E+00
STOR	Milk	3.000E+00	1.000E+00
STOR	Meat and poultry	2.000E+01	2.000E+01
STOR	Fish	0.000E+00	7.000E+00
STOR	Crustacea and mollusks	0.000E+00	7.000E+00
STOR	Well water	1.000E+00	1.000E+00
STOR	Surface water	1.000E+00	1.000E+00
STOR	Livestock fodder	4.500E+01	4.500E+01
R021	Thickness of building foundation (m)	1.500E-01	1.500E-01
R021	Bulk density of building foundation (g/cm**3)	2.400E+00	2.400E+00
R021	Total porosity of the cover material	4.000E-01	4.000E-01
R021	Total porosity of the building foundation	1.000E-01	1.000E-01
R021	Volumetric water content of the cover material	5.000E-02	5.000E-02
R021	Volumetric water content of the foundation	3.000E-02	3.000E-02
R021	Diffusion coefficient for radon gas (m/sec):		
R021	in cover material	2.000E-06	2.000E-06
R021	in foundation material	3.000E-07	3.000E-07
R021	in contaminated zone soil	2.000E-06	2.000E-06
R021	Radon vertical dimension of mixing (m)	2.000E+00	2.000E+00
R021	Average annual wind speed (m/sec)	2.000E+00	2.000E+00
R021	Average building air exchange rate (1/hr)	5.000E-01	5.000E-01
R021	Height of the building (room) (m)	2.500E+00	2.500E+00
R021	Building interior area factor	0.000E+00	0.000E+00
R021	Building depth below ground surface (m)	1.000E+00	1.000E+00
R021	Emanating power of Rn-222 gas	2.500E-01	2.500E-01
R021	Emanating power of Rn-220 gas	1.500E-01	1.500E-01

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	active
4 -- meat ingestion	active
5 -- milk ingestion	active
6 -- aquatic foods	active
7 -- drinking water	active
8 -- soil ingestion	active
9 -- radon	active

Contaminated Zone Dimensions
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Area:	15608.00 square meters
Thickness:	2.00 meters
Cover Depth:	0.33 meters

Initial Soil Concentrations, pCi/g
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Pb-210	2.200E+00
Ra-226	1.900E+00
Ra-228	1.600E+00
Th-228	1.600E+00
U-235	1.400E-01
U-238	7.100E-01

Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 100 mrem/y
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Re
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t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02
TDOSE(t):	1.494E+02	1.489E+02	1.479E+02	1.449E+02	1.395E+02	1.259E+02
M(t):	1.494E+00	1.489E+00	1.479E+00	1.449E+00	1.395E+00	1.259E+00

Maximum TDOSE(t): 1.494E+02 mrem/yr   at t = 0.000E+00 years

SITE-SPECIFIC PARAMETER SUMMARY FOR SEDIMENT MODEL

(Input Parameters from SD63-1 are presented. The only input parameters which were changed during the dose calculations for the remaining samples were the initial concentrations of the radionuclides)

Site-Specific Parameter Summary

Menu	Parameter	User Input	Default
R011	Area of contaminated zone (m**2)	8.000E+02	1.000E+04
R011	Thickness of contaminated zone (m)	1.500E-01	2.000E+00
R011	Length parallel to aquifer flow (m)	2.000E+00	1.000E+02
R011	Basic radiation dose limit (mrem/yr)	1.000E+02	3.000E+01
R011	Time since placement of material (yr)	3.000E+01	0.000E+00
R011	Times for calculations (yr)	1.000E+00	1.000E+00
R011	Times for calculations (yr)	3.000E+00	3.000E+00
R011	Times for calculations (yr)	1.000E+01	1.000E+01
R011	Times for calculations (yr)	3.000E+01	3.000E+01
R011	Times for calculations (yr)	1.000E+02	1.000E+02
R011	Times for calculations (yr)	3.000E+02	3.000E+02
R011	Times for calculations (yr)	1.000E+03	1.000E+03
R011	Times for calculations (yr)	3.000E+03	3.000E+03
R011	Times for calculations (yr)	1.000E+04	1.000E+04
R012	Initial principal radionuclide (pCi/g): Pb-210	4.900E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): Ra-226	1.400E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): Ra-228	8.800E-01	0.000E+00
R012	Initial principal radionuclide (pCi/g): Th-228	1.500E+00	0.000E+00
R012	Initial principal radionuclide (pCi/g): U-235	1.200E-01	0.000E+00
R012	Initial principal radionuclide (pCi/g): U-238	8.200E-01	0.000E+00
R012	Concentration in groundwater (pCi/L): Pb-210	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): Ra-226	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): Ra-228	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): Th-228	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): U-235	not used	0.000E+00
R012	Concentration in groundwater (pCi/L): U-238	not used	0.000E+00
R013	Cover depth (m)	0.000E+00	0.000E+00
R013	Density of cover material (g/cm**3)	not used	1.500E+00
R013	Cover depth erosion rate (m/yr)	not used	1.000E-03
R013	Density of contaminated zone (g/cm**3)	1.500E+00	1.500E+00
R013	Contaminated zone erosion rate (m/yr)	1.000E-04	1.000E-03
R013	Contaminated zone total porosity	3.700E-01	4.000E-01
R013	Contaminated zone effective porosity	1.500E-01	2.000E-01
R013	Contaminated zone hydraulic conductivity (m/yr)	2.365E+01	1.000E+01
R013	Contaminated zone b parameter	1.040E+01	5.300E+00
R013	Humidity in air (g/cm**3)	not used	8.000E+00
R013	Evapotranspiration coefficient	7.400E-01	5.000E-01
R013	Precipitation (m/yr)	9.000E-01	1.000E+00
R013	Irrigation (m/yr)	2.000E-01	2.000E-01
R013	Irrigation mode	overhead	overhead
R013	Runoff coefficient	2.000E-01	2.000E-01
R013	Watershed area for nearby stream or pond (m**2)	1.000E+06	1.000E+06
R013	Accuracy for water/soil computations	1.000E-03	1.000E-03
R014	Density of saturated zone (g/cm**3)	1.500E+00	1.500E+00
R014	Saturated zone total porosity	3.700E-01	4.000E-01
R014	Saturated zone effective porosity	1.500E-01	2.000E-01
R014	Saturated zone hydraulic conductivity (m/yr)	2.365E+01	1.000E+02

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
R014	Saturated zone b parameter	5.300E+00	5.300E+00
R014	Water table drop rate (m/yr)	0.000E+00	1.000E-03
R014	Well pump intake depth (m below water table)	1.000E+01	1.000E+01
R014	Model: Nondispersion (ND) or Mass-Balance (MB)	ND	ND
R014	Well pumping rate (m**3/yr)	2.500E+02	2.500E+02
R015	Number of unsaturated zone strata	1	1
R015	Unsat. zone 1, thickness (m)	6.000E-01	4.000E+00
R015	Unsat. zone 1, soil density (g/cm**3)	1.500E+00	1.500E+00
R015	Unsat. zone 1, total porosity	3.500E-01	4.000E-01
R015	Unsat. zone 1, effective porosity	1.500E-01	2.000E-01
R015	Unsat. zone 1, soil-specific b parameter	1.040E+01	5.300E+00
R015	Unsat. zone 1, hydraulic conductivity (m/yr)	2.365E+01	1.000E+01
R016	Distribution coefficients for Pb-210		
R016	Contaminated zone (cm**3/g)	1.000E+02	1.000E+02
R016	Unsaturated zone 1 (cm**3/g)	1.000E+02	1.000E+02
R016	Saturated zone (cm**3/g)	1.000E+02	1.000E+02
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for Ra-226		
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for Ra-228		
R016	Contaminated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Unsaturated zone 1 (cm**3/g)	7.000E+01	7.000E+01
R016	Saturated zone (cm**3/g)	7.000E+01	7.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for Th-228		
R016	Contaminated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Unsaturated zone 1 (cm**3/g)	1.000E+04	6.000E+04
R016	Saturated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for U-235		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
R016	Distribution coefficients for U-238		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter Ac-227		
R016	Contaminated zone (cm**3/g)	2.000E+01	2.000E+01
R016	Unsaturated zone 1 (cm**3/g)	2.000E+01	2.000E+01
R016	Saturated zone (cm**3/g)	2.000E+01	2.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter Pa-231		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter Th-230		
R016	Contaminated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Unsaturated zone 1 (cm**3/g)	1.000E+04	6.000E+04
R016	Saturated zone (cm**3/g)	1.000E+04	6.000E+04
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R016	Distribution coefficients for daughter U-234		
R016	Contaminated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Unsaturated zone 1 (cm**3/g)	5.000E+01	5.000E+01
R016	Saturated zone (cm**3/g)	5.000E+01	5.000E+01
R016	Leach rate (/yr)	0.000E+00	0.000E+00
R016	Solubility constant	0.000E+00	0.000E+00
R017	Inhalation rate (m**3/yr)	8.400E+03	8.400E+03
R017	Mass loading for inhalation (g/m**3)	2.000E-04	2.000E-04
R017	Dilution length for airborne dust, inhalation (m)	3.000E+00	3.000E+00
R017	Exposure duration	5.000E+01	3.000E+01
R017	Shielding factor, inhalation	4.000E-01	4.000E-01
R017	Shielding factor, external gamma	7.000E-01	7.000E-01
R017	Fraction of time spent indoors	5.000E-01	5.000E-01
R017	Fraction of time spent outdoors (on site)	2.500E-01	2.500E-01
R017	Shape factor, external gamma	1.000E+00	1.000E+00

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
R017	Fractions of annular areas within AREA:		
R017	Outer annular radius (m) = «(1/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(10/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(20/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(50/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(100/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(200/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(500/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(1000/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(5000/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(1.E+04/Ð)	not used	1.000E+00
R017	Outer annular radius (m) = «(1.E+05/Ð)	not used	0.000E+00
R017	Outer annular radius (m) = «(1.E+06/Ð)	not used	0.000E+00
R018	Fruits, vegetables and grain consumption (kg/yr)	1.600E+02	1.600E+02
R018	Leafy vegetable consumption (kg/yr)	1.400E+01	1.400E+01
R018	Milk consumption (L/yr)	9.200E+01	9.200E+01
R018	Meat and poultry consumption (kg/yr)	6.300E+01	6.300E+01
R018	Fish consumption (kg/yr)	5.400E+00	5.400E+00
R018	Other seafood consumption (kg/yr)	9.000E-01	9.000E-01
R018	Soil ingestion rate (g/yr)	3.650E+01	3.650E+01
R018	Drinking water intake (L/yr)	5.100E+02	5.100E+02
R018	Contamination fraction of drinking water	1.000E+00	1.000E+00
R018	Contamination fraction of household water	1.000E+00	1.000E+00
R018	Contamination fraction of livestock water	1.000E+00	1.000E+00
R018	Contamination fraction of irrigation water	1.000E+00	1.000E+00
R018	Contamination fraction of aquatic food	0.000E+00	5.000E-01
R018	Contamination fraction of plant food	-1	-1
R018	Contamination fraction of meat	-1	-1
R018	Contamination fraction of milk	-1	-1
R019	Livestock fodder intake for meat (kg/day)	6.800E+01	6.800E+01
R019	Livestock fodder intake for milk (kg/day)	5.500E+01	5.500E+01
R019	Livestock water intake for meat (L/day)	5.000E+01	5.000E+01
R019	Livestock water intake for milk (L/day)	1.600E+02	1.600E+02
R019	Livestock soil intake (kg/day)	5.000E-01	5.000E-01
R019	Mass loading for foliar deposition (g/m**3)	1.000E-04	1.000E-04
R019	Depth of soil mixing layer (m)	3.000E-01	1.500E-01
R019	Depth of roots (m)	5.000E-01	9.000E-01
R019	Drinking water fraction from ground water	1.000E+00	1.000E+00
R019	Household water fraction from ground water	1.000E+00	1.000E+00
R019	Livestock water fraction from ground water	1.000E+00	1.000E+00
R019	Irrigation fraction from ground water	1.000E+00	1.000E+00
C14	C-12 concentration in water (g/cm**3)	not used	2.000E-05
C14	C-12 concentration in contaminated soil (g/g)	not used	3.000E-02
C14	Fraction of vegetation carbon from soil	not used	2.000E-02
C14	Fraction of vegetation carbon from air	not used	9.800E-01
C14	C-14 evasion layer thickness in soil (m)	not used	3.000E-01
C14	C-14 evasion flux rate from soil (1/sec)	not used	7.000E-07
C14	C-12 evasion flux rate from soil (1/sec)	not used	1.000E-10

Site-Specific Parameter Summary (conti

Menu	Parameter	User Input	Default
C14	Fraction of grain in beef cattle feed	not used	8.000E-01
C14	Fraction of grain in milk cow feed	not used	2.000E-01
STOR	Storage times of contaminated foodstuffs (days):		
STOR	Fruits, non-leafy vegetables, and grain	1.400E+01	1.400E+01
STOR	Leafy vegetables	1.000E+00	1.000E+00
STOR	Milk	3.000E+00	1.000E+00
STOR	Meat and poultry	2.000E+01	2.000E+01
STOR	Fish	0.000E+00	7.000E+00
STOR	Crustacea and mollusks	0.000E+00	7.000E+00
STOR	Well water	1.000E+00	1.000E+00
STOR	Surface water	1.000E+00	1.000E+00
STOR	Livestock fodder	4.500E+01	4.500E+01
R021	Thickness of building foundation (m)	1.500E-01	1.500E-01
R021	Bulk density of building foundation (g/cm**3)	2.400E+00	2.400E+00
R021	Total porosity of the cover material	not used	4.000E-01
R021	Total porosity of the building foundation	1.000E-01	1.000E-01
R021	Volumetric water content of the cover material	not used	5.000E-02
R021	Volumetric water content of the foundation	3.000E-02	3.000E-02
R021	Diffusion coefficient for radon gas (m/sec):		
R021	in cover material	not used	2.000E-06
R021	in foundation material	3.000E-07	3.000E-07
R021	in contaminated zone soil	2.000E-06	2.000E-06
R021	Radon vertical dimension of mixing (m)	2.000E+00	2.000E+00
R021	Average annual wind speed (m/sec)	2.000E+00	2.000E+00
R021	Average building air exchange rate (1/hr)	5.000E-01	5.000E-01
R021	Height of the building (room) (m)	2.500E+00	2.500E+00
R021	Building interior area factor	0.000E+00	0.000E+00
R021	Building depth below ground surface (m)	1.000E+00	1.000E+00
R021	Emanating power of Rn-222 gas	2.500E-01	2.500E-01
R021	Emanating power of Rn-220 gas	1.500E-01	1.500E-01

Summary of Pathway Selections

Pathway	User Selection
1 -- external gamma	active
2 -- inhalation (w/o radon)	active
3 -- plant ingestion	active
4 -- meat ingestion	active
5 -- milk ingestion	active
6 -- aquatic foods	active
7 -- drinking water	active
8 -- soil ingestion	active
9 -- radon	active

Contaminated Zone Dimensions
ááááááááááááááááááááááááááááá

Area:	800.00 square meters
Thickness:	0.15 meters
Cover Depth:	0.00 meters

Initial Soil Concentrations, pCi/g
ááááááááááááááááááááááááááááááááááá

Pb-210	4.900E+00
Ra-226	1.400E+00
Ra-228	8.800E-01
Th-228	1.500E+00
U-235	1.200E-01
U-238	8.200E-01

Total Dose TDOSE(t), mrem/yr
Basic Radiation Dose Limit = 100 mrem/y
Total Mixture Sum M(t) = Fraction of Basic Dose Limit Re
áá

t (years):	0.000E+00	1.000E+00	3.000E+00	1.000E+01	3.000E+01	1.000E+02
TDOSE(t):	2.984E+01	2.784E+01	2.450E+01	1.726E+01	9.645E+00	3.358E+00
M(t):	2.984E-01	2.784E-01	2.450E-01	1.726E-01	9.645E-02	3.358E-02

Maximum TDOSE(t): 2.984E+01 mrem/yr   at t = 0.000E+00 years

APPENDIX I

SOIL GAS CHROMATOGRAMS
(SEAD-64D)

Scott Specialty Gases, Inc.

Shipped From: 6141 EASTON ROAD PO BOX 310
PLUMSTEADVILLE PA 18949-0310
Phone: 215-766-8861 Fax: 215-766-2070

C E R T I F I C A T E   O F   A N A L Y S I S

ENGINEERING SCIENCE
DAN KELMAR
SENECA ARMY DEPOT
BLDG 323
ROMULUS NY 14541

PROJECT #: 01-56788-001
PO#: 720518-027
ITEM #: 0104D400040 4
DATE: 5/10/94

CYLINDER #: SCOTTY-IV
FILL PRESSURE: 240 PSIG

ANALYTICAL ACCURACY: +/-2%

COMPONENT	REQUESTED GAS CONC		ANALYSIS (MOLES)	
1,1-DICHLOROETHYLENE	100.	PPM	99.6	PPM
TRICHLOROETHYLENE	100.	PPM	98.4	PPM
VINYL CHLORIDE	100.	PPM	102.0	PPM
NITROGEN		BAL		BAL

ANALYTICAL METHOD: G.C. F.I.D.

ANALYST:
RENE J. BEDOYA

Soil Gas Survey at SEAD-64D

Photovac 10S50 Calibration Curve Data for 6/6/94
Mixed Standards:

Benzene

X Variable (Conc.)	Y Variable (Response Vs)
19.72	22.1
9.86	14.6
4.93	8.8
1.97	3.1
0.98	2.2

Regression Output:

Constant		0
Std Err of Y Est		2.21819
R Squared		0.929033
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	1.225467	
Std Err of Coef.	0.097722	
Slope	0.816015	

Toluene

X Variable (Conc.)	Y Variable (Response Vs)
19.48	28.2
9.74	16.2
4.87	9.8
1.95	3.7
0.97	2.3

Regression Output:

Constant		0
Std Err of Y Est		1.651162
R Squared		0.975652
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	1.520085	
Std Err of Coef.	0.073636	
Slope	0.657858	

Ethybenzene

X Variable (Conc.)	Y Variable (Response Vs)
19.1	22.2
9.55	17.2
4.77	11.3
1.91	4.8
0.95	3.1

Regression Output:

Constant		0
Std Err of Y Est		3.976895
R Squared		0.758749
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	1.35376	
Std Err of Coef.	0.180896	
Slope	0.738683	

O-Xylene

X Variable (Conc.)	Y Variable (Response Vs)
18.9	39
9.45	26.05
4.73	15.5
1.89	5.75
0.95	3.6

Regression Output:

Constant		0
Std Err of Y Est		3.976527
R Squared		0.927254
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	2.262285	
Std Err of Coef.	0.182771	
Slope	0.442031	

M-Xylene

X Variable (Conc.)	Y Variable (Response Vs)
19	39
9.5	26.05
4.75	15.5
1.9	5.75
0.95	3.6

Regression Output:

Constant		0
Std Err of Y Est		3.980977
R Squared		0.927091
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	2.250447	
Std Err of Coef.	0.182024	
Slope	0.444356	

P-Xylene

X Variable (Conc.)	Y Variable (Response Vs)
18.6	41.4
9.3	32.4
4.65	19.6
1.86	5.3
0.93	2.4

Regression Output:

Constant		0
Std Err of Y Est		6.557003
R Squared		0.84881
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	2.562386	
Std Err of Coef.	0.306256	
Slope	0.390261	

Vinyl Chloride

X Variable (Conc.)	Y Variable (Response Vs)
20.4	10
10.2	6.3
5.1	3.5
2.04	1.2
1.02	0.7

Regression Output:

Constant		0
Std Err of Y Est		0.727538
R Squared		0.964531
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	0.524602	
Std Err of Coef.	0.030983	
Slope	1.906206	

1,1-DCE

X Variable (Conc.)	Y Variable (Response Vs)
19.92	13.8
9.96	9.5
4.98	5.4
1.99	1.8
0.99	1

Regression Output:

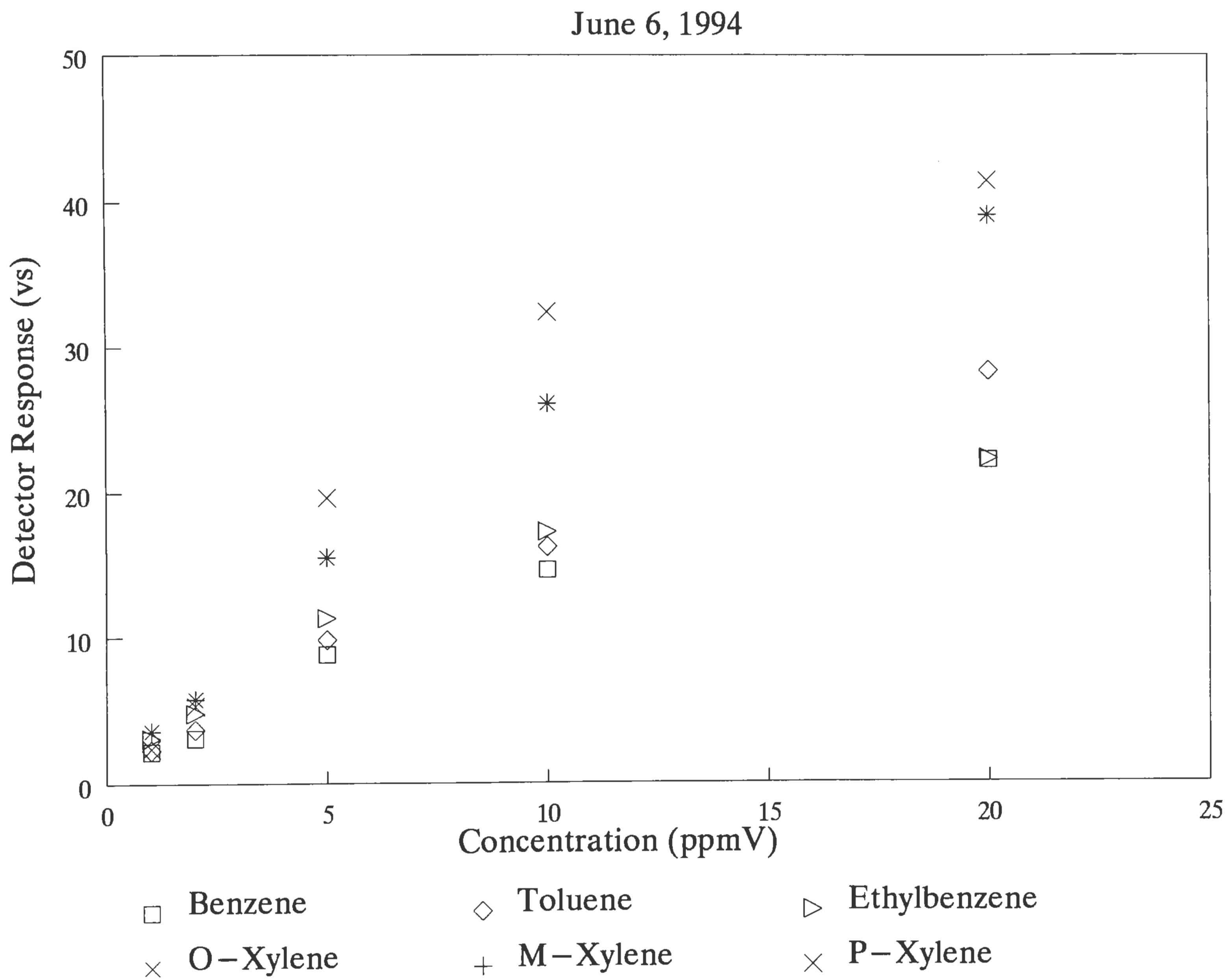
Constant		0
Std Err of Y Est		1.437794
R Squared		0.928494
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	0.762684	
Std Err of Coef.	0.062706	
Slope	1.311159	

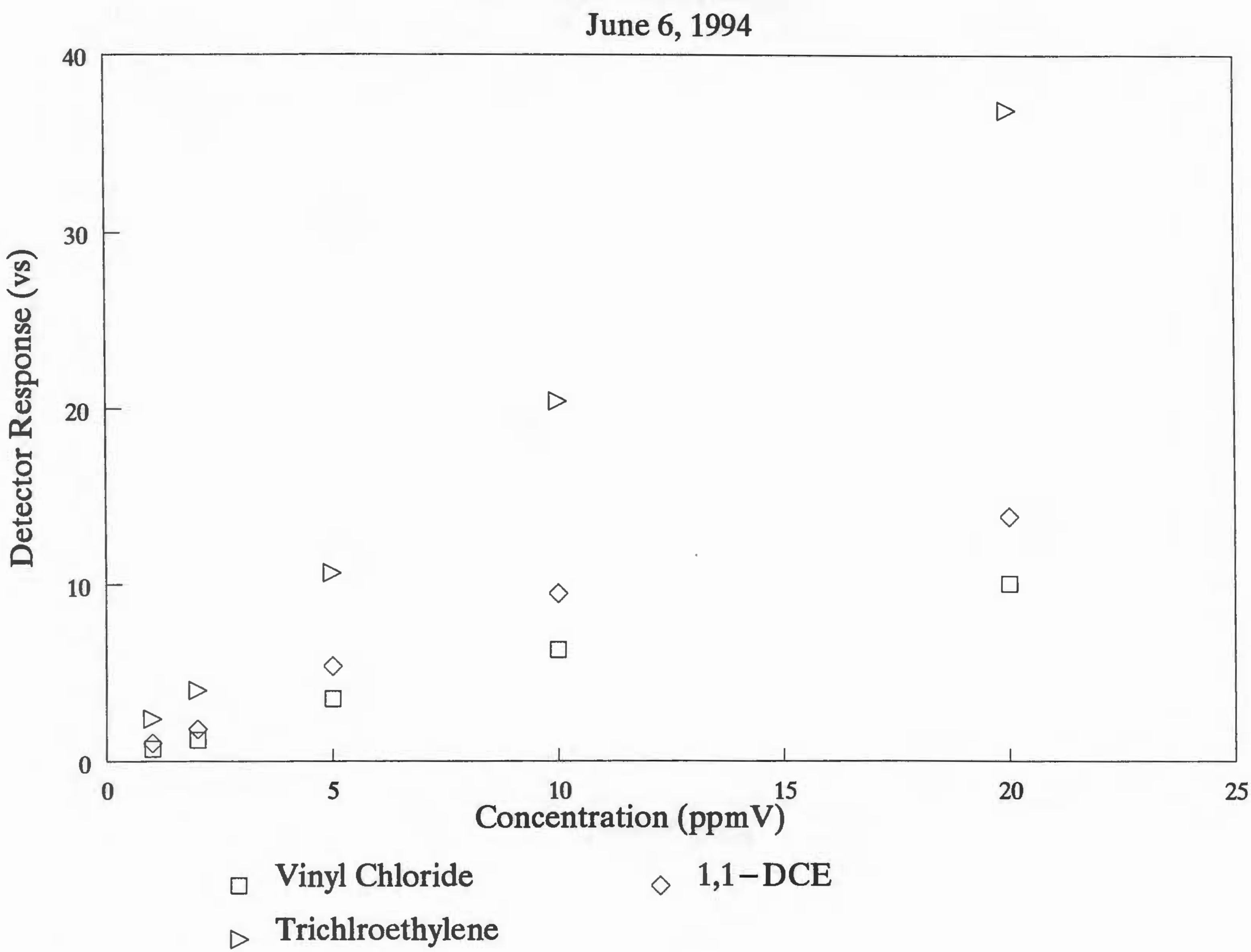
TCE

X Variable (Conc.)	Y Variable (Response Vs)
19.68	36.9
9.84	20.4
4.92	10.7
1.95	4
0.98	2.4

Regression Output:

Constant		0
Std Err of Y Est		1.109155
R Squared		0.993902
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	1.928921	
Std Err of Coef.	0.048966	
Slope	0.518425	


June 6, 1994
Detector Response (vs)
0
10
20
30
40
50
0
5
10
15
20
25
Concentration (ppmV)
Benzene
Toluene
Ethylbenzene
O-Xylene
M-Xylene
P-Xylene



June 6, 1994
Detector Response (vs)
0
10
20
30
40
0
5
10
15
20
25
Concentration (ppmV)
Vinyl Chloride
1,1−DCE
Trichlroethylene

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. 720518 SHEET 1 OF

SUBJECT: Soil Gas - SEAD 64D BY: RFM/KS DATE 6/6/94

CKD. REVISION

PHOTOVAC

DEC 9 93 16:40

FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	60.0
EVENT 4	0.0	0.0
EVENT 5	0.0	60.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC

PHOTOVAC

1 COMPOUND ID # R.T. LIMIT

PHOTOVAC

DEC 9 93 16:47

FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	60.0
EVENT 4	0.0	0.0
EVENT 5	0.0	60.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC

DEC 9 93 17: 6

FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	60.0
EVENT 4	0.0	0.0
EVENT 5	0.0	60.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC

DEC 9 93 17: 8

FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	60.0
EVENT 4	0.0	0.0
EVENT 5	0.0	60.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PARSONS MAIN, INC. PARSONS

CLIENT: ACOE JOB NO. 720518 SHEET 2 OF

SUBJECT: Soil Gas - SEAD 64D BY PBM/KS DATE 6/6/94

CKD. REVISION

PHOTOVAC

JUN 6 94 9:35

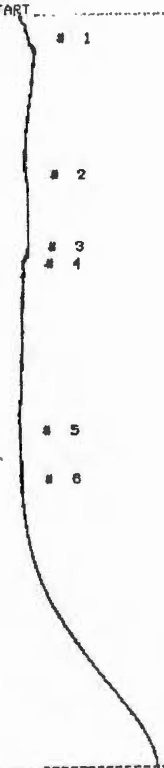
FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	200.0
EVENT 4	0.0	0.0
EVENT 5	10.0	200.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

(event schedule for standards)

PHOTOVAC

START



? →

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 9:48
ANALYSIS # 1 ~~BTEX STD~~
INTERNAL TEMP 27 ~~BTEX 1.0 ML~~
GAIN 2 ~~5 PPM~~

No Inj.

COMPOUND NAME PEAK R.T. AREA/PPM

(will re run zero air no inj. to see if this shows up again)

PHOTOVAC

START
STOP @ 0.0
SAMPLE LIBRARY 1 JUN 6 94 9:49
ANALYSIS # 2 BTEX STD
INTERNAL TEMP 27 BTEX 1.0 ML
GAIN 2 5 PPM

COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. PARSONS

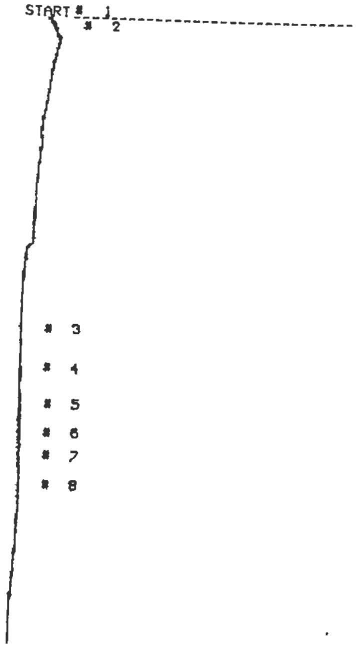
CLIENT ACOE JOB NO. 720518 SHEET 3 OF

SUBJECT Soil Gas - SEAD 64D BY bm/KS DATE 6/6/94

CKD. REVISION

PHOTOVAC

START # 1
2



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 10: 8
ANALYSIS # 3 ZERO AIR
INTERNAL TEMP 30 NO INJ
GAIN 2

COMPOUND NAME PEAK R.T. AREA/PPM

OK

PHOTOVAC

START

STOP @ 9.7
SAMPLE LIBRARY 1 JUN 6 94 10:15
ANALYSIS # 4 ZERO AIR
INTERNAL TEMP 29 NO INJ
GAIN 2

Screw up

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Screw up

STOP @ 43.1
SAMPLE LIBRARY 1 JUN 6 94 10:16
ANALYSIS # 5 ZERO AIR
INTERNAL TEMP 30 NO INJ
GAIN 2

COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. 720518 SHEET 4 OF

SUBJECT Soil Gas - SEAD 64D BY Pfm DATE 6/6/94

CKD. REVISION

BTEX Std

Benzene	98.5	ppm
Toluene	97.4	ppm
Ethylbenzene	95.5	ppm
O-xylene	94.5	ppm
M-xylene	95.0	ppm
P-Xylene	93.0	ppm

$$v = \frac{1000\,000\ C\ V}{c}$$

Calculations for BTEX Standards

1) want 20 ppm std (in 125 ml vessel)

$$v = \frac{1000\,000\,(20)\,\cancel{(.5)}\,(0.125)}{100}$$

25,000 µl = 25 ml

~~v = 100 ul ≈ 0.1 ml inj~~

~~100,000 µl ≈ 100 ml~~

2) want 10 ppm std (in 250 ml vessel)

$$v = \frac{1000\,000\,(10)\,(.25)}{100}$$

v = 25000 µl ≈ 25 ml

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. 720518 SHEET 5 OF

SUBJECT Soil Gas - SEAD 64D BY RFM DATE 6/6/94

CKD. REVISION

3) want 5 ppm std (in 500 ml vessel)
(0.5)

$$v = \frac{1\,000\,000\,(5)\,(\cancel{.125})}{100}$$

$v =$ ~~6250 ml~~ $\approx$ ~~6.25 ml~~
25000 = 25 ml

4) want 2 ppm std (Adj. inj. volume.)
use 10 ppm std
inj.: 0.20 ml injection of 10 ppm
standard → 2 ppm equiv.

5) want 1 ppm std (Adj. inj. volume)
use [illegible] 5 ppm
inj: 0.20 ml injection of 5 ppm
standard → 1 ppm equiv.

PARSONS MAIN, INC. PARSONS

CLIENT: ACOE JOB NO. 720518 SHEET 6 OF

SUBJECT: Soil Gas - SEAD 64D BY: RGM DATE 6/6/94

CKD. REVISION

CHLOR STD

1,1-DCE	99.6	ppm
TCE	98.4	ppm
VC	102.0	ppm

1) want 20 ppm std (in 125 ml vessel)

$$V = \frac{1000\,000\,(20)\,(\cancel{.5})\,(0.125)}{100}$$

$V = \cancel{100,000\ \mu l} = \cancel{100\ ml}$

$25,000 = 25\ ml$

2) want 10 ppm std (in 250 ml vessel)

$$V = \frac{1000000\,(10)\,(0.25)}{100}$$

$V = 25000\ \mu l = 25\ ml$

3) want 5 ppm std (in 500 ml vessel)

$$V = \frac{1000\,000\,(5)\,(\cancel{0.125})\,(0.5)}{100}$$

$V = \cancel{6250\ \mu l} = \cancel{6.25\ ml}$

$V = 25000 = 25\ ml$

PARSONS MAIN, INC. PARSONS

CLIENT ACoE JOB NO. 720518 SHEET 7 OF

SUBJECT Soil Gas SEAD 64D BY DATE 6/6/94

CKD. REVISION

4) want 2 ppm std (Adj inj. volume)
use 10 ppm std.
inj: 0.20 ml injection of 10 ppm standard → 2 ppm equiv.

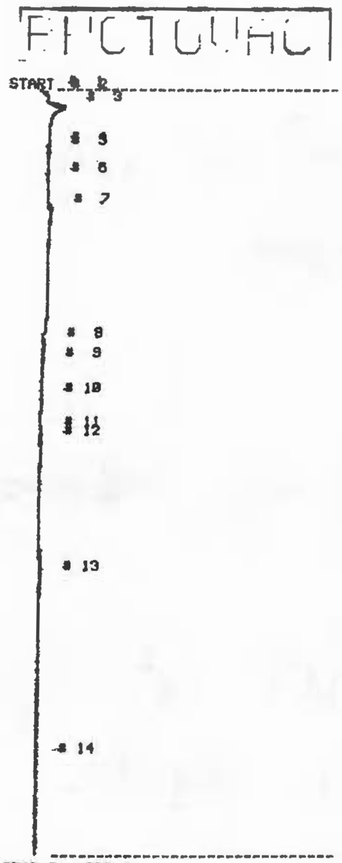
5) want 1 ppm standard (Adj inj. volume)
use ~~10~~ 5 ppm std.
inj: 0.20 ml injection of 5 ppm standard → 1 ppm equiv.

PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. 720 518 SHEET 8 OF

SUBJECT Soil Gas - SEAD 64 D BY DATE 6/6/94

Vessel Blanks CKD. REVISION

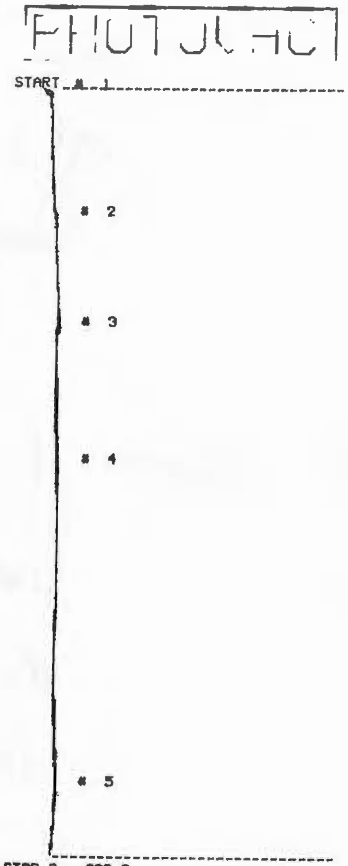


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 10:29
ANALYSIS # 6 AMB AIR
INTERNAL TEMP 32 1 ML INJ
GAIN 2

COMPOUND NAME PEAK R.T. AREA/PPM

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 10:44
ANALYSIS # 7 0 AIR
INTERNAL TEMP 33 BTEX 500 ML BLB 1 ml
GAIN 2 SYR 5A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	4	191.7	107.3 mVS
UNKNOWN	5	315.5	415.1 mVS



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 10:55
ANALYSIS # 8 0 AIR
INTERNAL TEMP 33 BTEX 250ML BLB 1 ml
GAIN 2 SYR 5A

COMPOUND NAME PEAK R.T. AREA/PPM

Ambient Air

Vessel blanks →

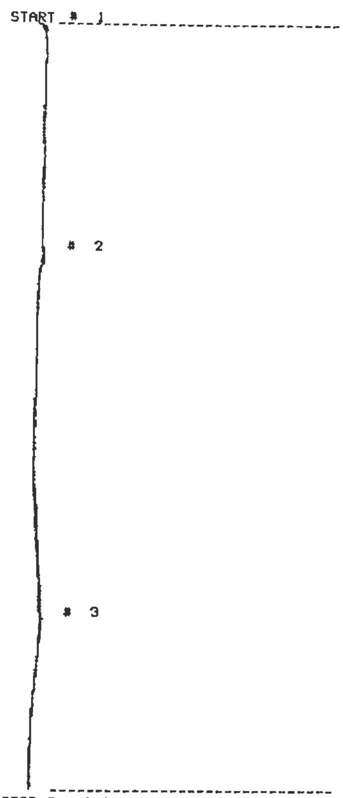
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. 720518 SHEET 9 OF

SUBJECT Soil Gas SEAD 64D BY PFM DATE 6/6/94

CKD. REVISION

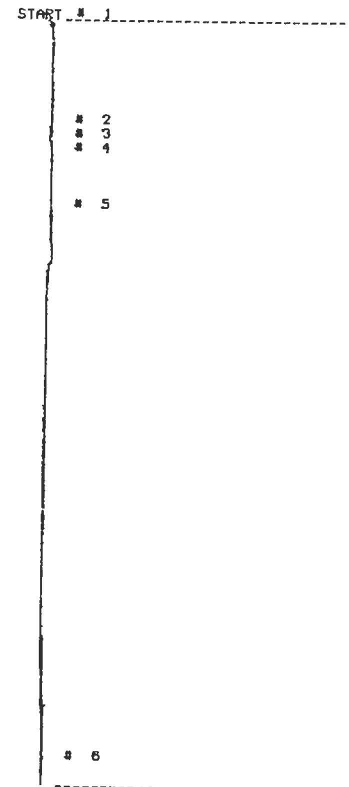
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 11: 8
ANALYSIS # 9 @ AIR
INTERNAL TEMP 33 BTEX 125ML BLB
GAIN 2 SYR 5A 1ml

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	471.6	111.3 mVS

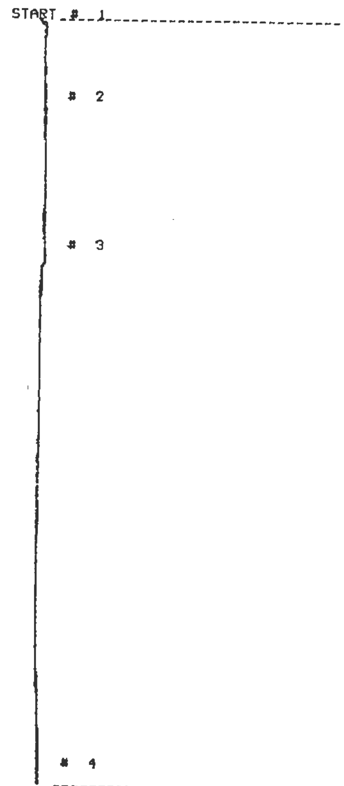
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 11:19
ANALYSIS # 10 @ AIR
INTERNAL TEMP 34 CHLOR 500ML BLB
GAIN 2 SYR A

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 11:30
ANALYSIS # 11 @ AIR
INTERNAL TEMP 34 CHLOR 250ML BLB
GAIN 2 SYR A 1ML INJ

COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. **PARSONS**

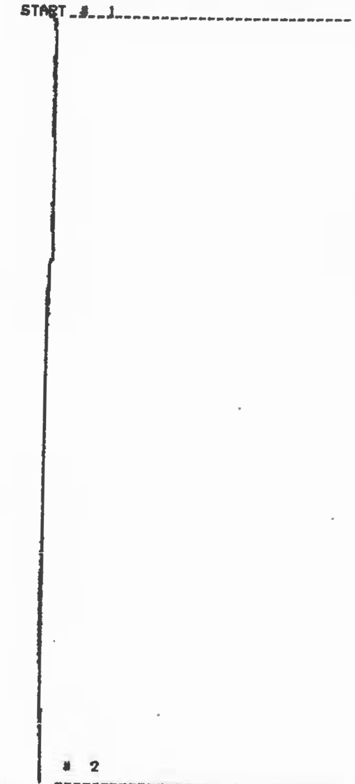
CLIENT ACOE JOB NO. SHEET 10 OF

SUBJECT BY lfm DATE 6/6/94

CKD. REVISION

PHOTOVAC

START # 1

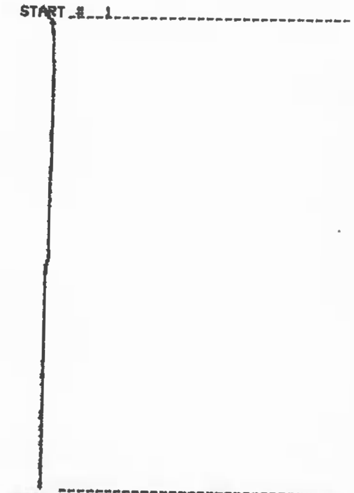


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 11:41
ANALYSIS # 12 0 AIR
INTERNAL TEMP 35 CHLOR 125ML BLB
GAIN 2 SYR A 1ML INJ

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

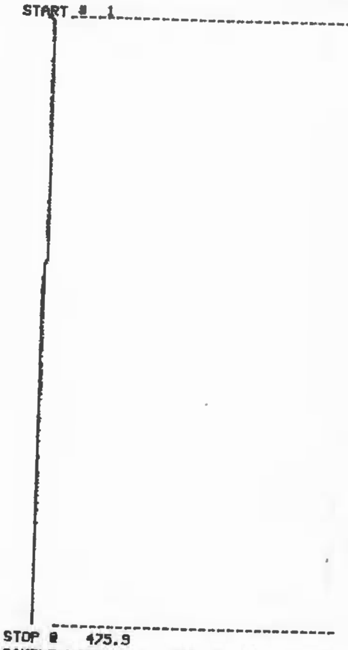


STOP @ 370.9
SAMPLE LIBRARY 1 JUN 6 94 11:58
ANALYSIS # 13 SYR BLK
INTERNAL TEMP 36 1 ML 0 AIR
GAIN 2 SYR A 1ML INJ

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



STOP @ 475.9
SAMPLE LIBRARY 1 JUN 6 94 12: 8
ANALYSIS # 14 SYR BLK
INTERNAL TEMP 36 1 ML 0 AIR
GAIN 2 SYR B 1ML INJ

COMPOUND NAME PEAK R.T. AREA/PPM

end vessel blanks →

Begin Syringe blanks →

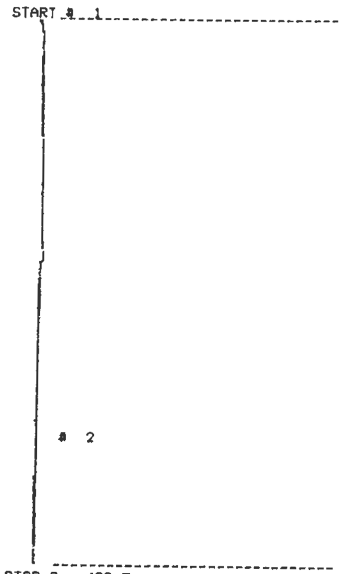
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ______ SHEET 11 OF ______

SUBJECT ______ BY fbm DATE 6/6/94

CKD. ______ REVISION ______

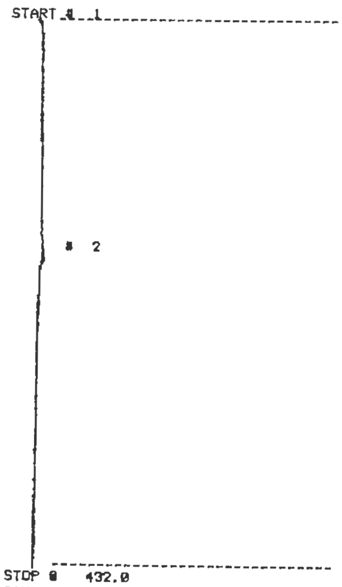
PHOTOVAC



STOP @ 430.5
SAMPLE LIBRARY 1 JUN 6 94 12:16
ANALYSIS # 15 SYR BLK
INTERNAL TEMP 37 1 ML 0 AIR
GAIN 2 SYR C 1ML INJ

COMPOUND NAME PEAK R.T. AREA/PPM

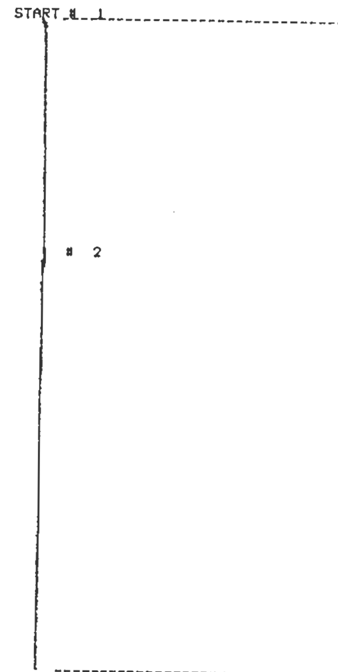
PHOTOVAC



STOP @ 432.0
SAMPLE LIBRARY 1 JUN 6 94 12:24
ANALYSIS # 16 SYR BLK
INTERNAL TEMP 37 1 ML 0 AIR
GAIN 2 SYR D 1ML INJ

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



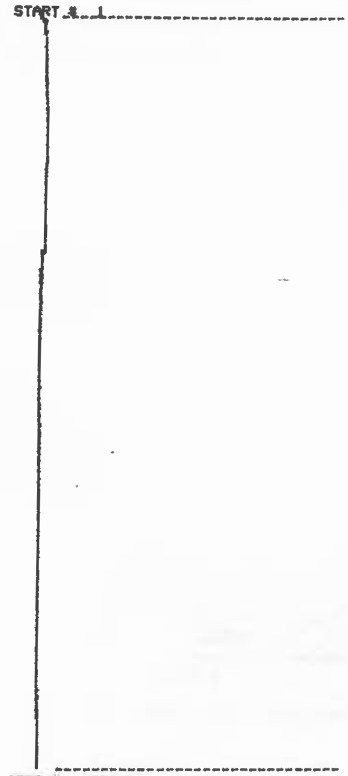
STOP @ 511.1
SAMPLE LIBRARY 1 JUN 6 94 12:33
ANALYSIS # 17 SYR BLK
INTERNAL TEMP 37 1 ML 0 AIR
GAIN 2 SYR E 1ML INJ

COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE
SUBJECT:
JOB NO.
BY: BGM/KS
CKD.
SHEET: KK 12 OF
DATE: 6/6/94
REVISION

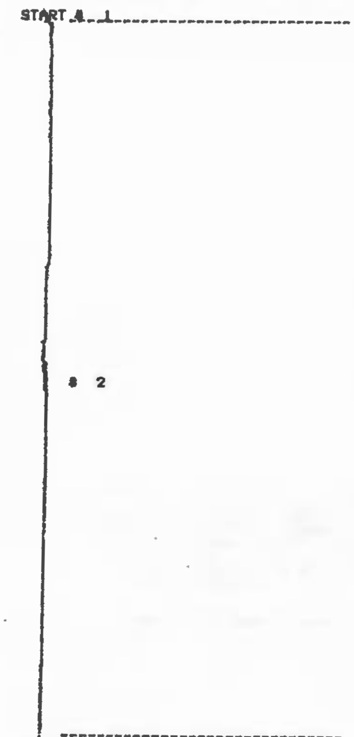
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 12:46
ANALYSIS # 18 SYR BLK
INTERNAL TEMP 37 1 ML 0 AIR
GAIN 2 SYR F 1ML INJ

COMPOUND NAME	PEAK	R.T.	AREA/PPM

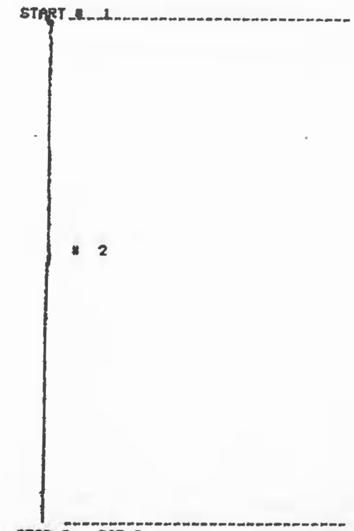
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 13: 3
ANALYSIS # 19 SYR BLK
INTERNAL TEMP 37 1 ML 0 AIR
GAIN 2 SYR G 1ML INJ

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	293.8	103.7 mVS

PHOTOVAC



STOP @ 395.6
SAMPLE LIBRARY 1 JUN 6 94 13:10
ANALYSIS # 20 SYR BLK
INTERNAL TEMP 38 1 ML 0 AIR
GAIN 2 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PARSONS MAIN, INC. PARSONS

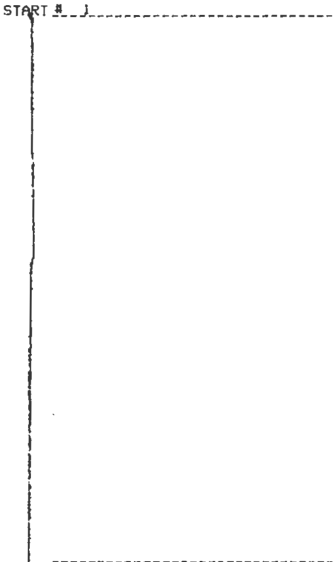
CLIENT ACOE JOB NO. ______ SHEET 13 OF ______

SUBJECT ______ BY PFM/KS DATE 6/6/94

CKD. ______ REVISION ______

PHOTOVAC

START # 1

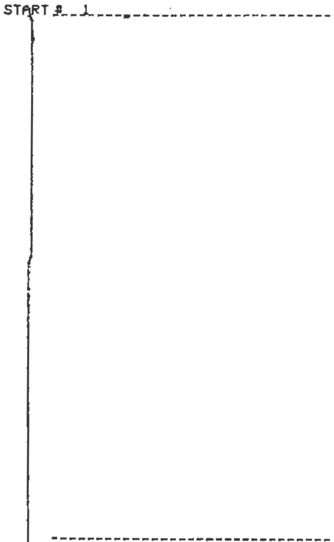


STOP @ 442.?
SAMPLE LIBRARY 1 JUN 6 94 13:19
ANALYSIS # 21 SYR BLK
INTERNAL TEMP 39 1 ML 0 AIR
GAIN 2 SYR I

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

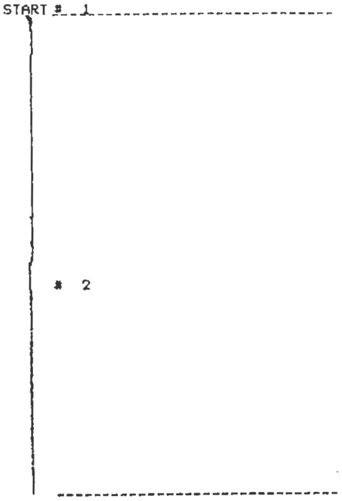


STOP @ 432.0
SAMPLE LIBRARY 1 JUN 6 94 13:26
ANALYSIS # 22 SYR BLK
INTERNAL TEMP 38 1 ML 0 AIR
GAIN 2 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

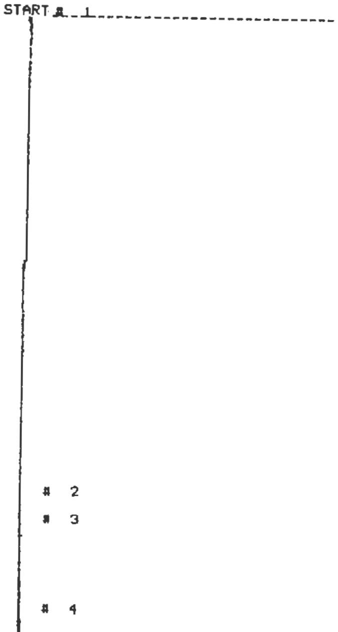


STOP @ 374.2
SAMPLE LIBRARY 1 JUN 6 94 13:35
ANALYSIS # 23 SYR BLK
INTERNAL TEMP 39 1 ML 0 AIR
GAIN 2 SYR K

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

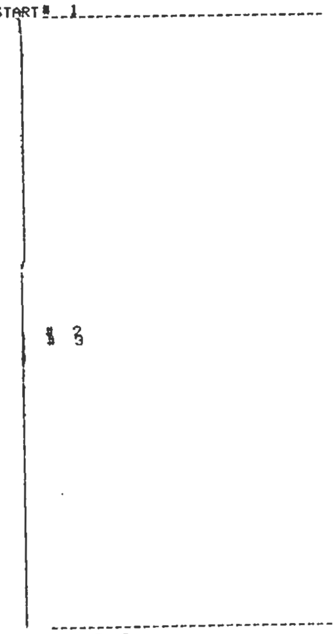


STOP @ 483.7
SAMPLE LIBRARY 1 JUN 6 94 13:45
ANALYSIS # 24 SYR BLK
INTERNAL TEMP 37 1 ML 0 AIR
GAIN 2 SYR L

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

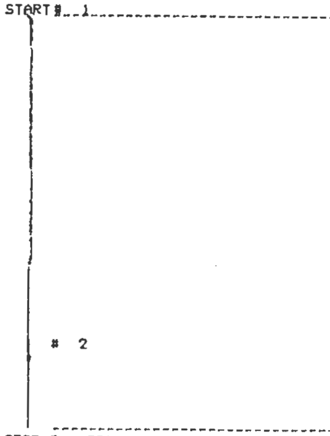


STOP @ 475.0
SAMPLE LIBRARY 1 JUN 6 94 13:54
ANALYSIS # 25 SYR BLK
INTERNAL TEMP 37 1 ML 0 AIR
GAIN 2 SYR M

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



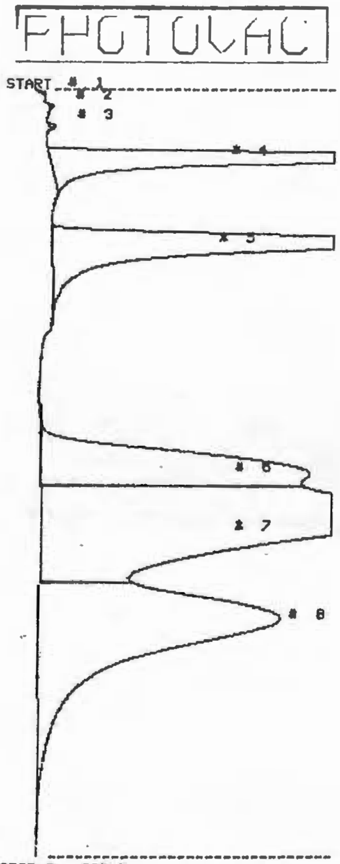
STOP @ 321.6
SAMPLE LIBRARY 1 JUN 6 94 14:0
ANALYSIS # 26 SYR BLK
INTERNAL TEMP 39 1 ML 0 AIR
GAIN 2 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

END SYRINGE Blanks

PARSONS MAIN, INC. PARSONS

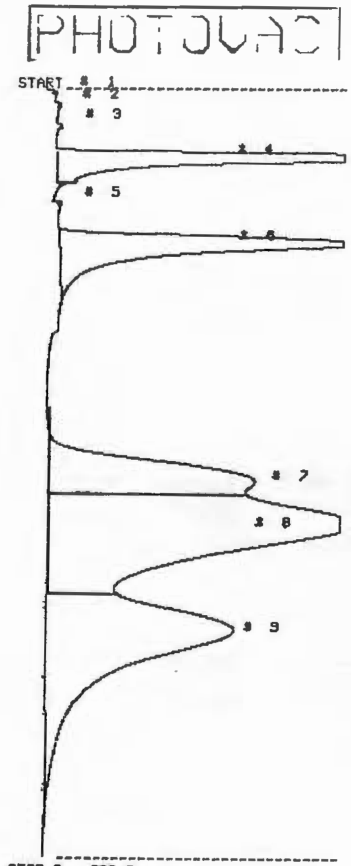
CLIENT: ACOE
JOB NO.:
SHEET: 14 OF:
SUBJECT: BTEX Calibration
BY: PGM / KS
DATE: 6/6/94
CKD.:
REVISION:



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 14:13
ANALYSIS # 27 20 PPM BTEX STD
INTERNAL TEMP 37 1 ML INJ
GAIN 5 SYG N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	53.9	22.1	VS
UNKNOWN	5	120.8	28.2	VS
UNKNOWN	6	306.5	22.2	VS
UNKNOWN	7	335.8	78.0	VS
UNKNOWN	8	421.2	41.4	VS

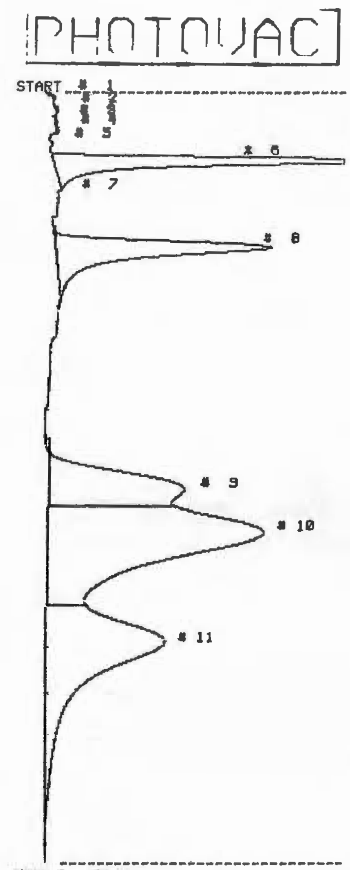
20 ppm



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 14:27
ANALYSIS # 28 10 PPM BTEX STD
INTERNAL TEMP 36 1 ML INJ
GAIN 5 SYG N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	53.6	14.6	VS
UNKNOWN	6	121.2	16.2	VS
UNKNOWN	7	311.3	17.2	VS
UNKNOWN	8	342.1	52.1	VS
UNKNOWN	9	429.2	32.4	VS

10 ppm



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 14:38
ANALYSIS # 29 5 PPM BTEX STD
INTERNAL TEMP 36 1 ML INJ
GAIN 5 SYG N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	6	53.6	8.8	VS
UNKNOWN	8	123.5	9.8	VS
UNKNOWN	9	314.9	11.3	VS
UNKNOWN	10	348.5	31.0	VS
UNKNOWN	11	434.6	19.6	VS

5 ppm

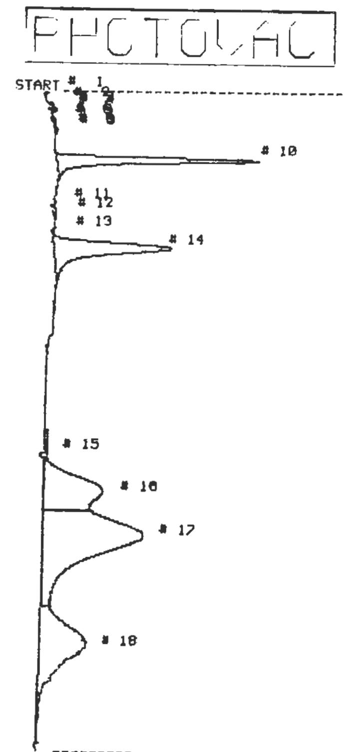
BTEX STD

PARSONS MAIN, INC. PARSONS

CLIENT ACoE JOB NO. SHEET 15 OF

SUBJECT BY lfm/kcs DATE 6/6/94

CKD. REVISION



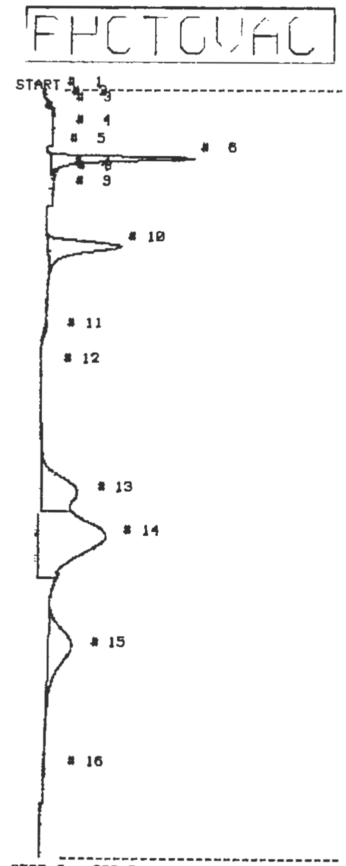

```
STOP @   518.1
SAMPLE LIBRARY 1   JUN  6   94  14:58
ANALYSIS #    30   10 PPM BTEX STD
INTERNAL TEMP 36   0.2 ML INJ
GAIN           5   SYG N

COMPOUND NAME     PEAK   R.T.   AREA/PPM

UNKNOWN            10    54.7    3.1  US
UNKNOWN            14   125.0    3.7  US
UNKNOWN            16   319.1    4.8  US
UNKNOWN            17   353.3   11.5  US
UNKNOWN            18   440.4    5.3  US
```

2 ppm equiv.

2 ppm



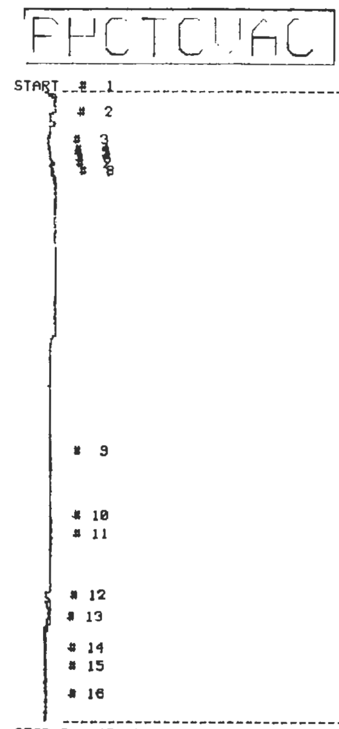

```
STOP @   600.0
SAMPLE LIBRARY 1   JUN  6   94  15: 9
ANALYSIS #    31    5 PPM BTEX STD
INTERNAL TEMP 36   0.2 ML INJ
GAIN           5   SYG N

COMPOUND NAME     PEAK   R.T.   AREA/PPM

UNKNOWN             6    54.8    2.2  US
UNKNOWN            10   125.3    2.3  US
UNKNOWN            13   320.3    3.1  US
UNKNOWN            14   354.5    7.2  US
UNKNOWN            15   442.0    2.4  US
```

1 ppm equiv.

1 ppm




```
STOP @   491.1
SAMPLE LIBRARY 1   JUN  6   94  15:19
ANALYSIS #    32   SYR BLK
INTERNAL TEMP 37   1.0 ML INJ
GAIN           5   SYG N

COMPOUND NAME     PEAK   R.T.   AREA/PPM

UNKNOWN              13  419.6 124.5 mUS
```

BTEX CAL.

15A

SOIL GAS CALIBRATION DATA FOR MIXED BTEX STANDARDS

ENGINEERING-SCIENCE	CLIENT: ACoE	DATE: 6/6/94
PROJECT: 15 SWMU SEDA Romulus N.Y. LOCATION: SEAD-64D		Operator: KS/PFM

Instrument Specs:

Type of GC: Photovac 10S50
Column Type: CPSil-5
Chart Speed: 1 cm/min
Gain: 5
Sensitivity: 5/10
Gas Flow Rate: 7 ml/min
Tank Pressure: 1350 psi

Standard: BTEX
Concentration: 20 Tedlar or Glass Bulb
Inj. volume: 1.0 ML
Analysis #: 27
Time: 14:13

Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Benzene	19.72		1 ml		19.72	22.1	53.9	0.89	
Toluene	19.48		1 ml		19.48	28.2	120.8	0.69	
Ethylbenzene	19.10		1 ml		19.10	22.2	306.5	0.86	
O-Xylenes	18.90		1 ml		18.90	39.0	335.8	0.48	
M-Xylenes	19.0		1 ml		19.0	39.0	335.8	0.49	
P-Xylenes	18.6		1 ml		18.6	41.4	421.2	0.45	

Notes: RF = Conc. ÷ Area (vs) ; Actual Std. Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

Standard: BTEX
Concentration: 10 Tedlar or Glass Bulb
Inj. volume: 1.0 ML
Analysis #: 28
Time: 14.27

Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Benzene	9.86		1.0		9.86	14.6	53.6	0.67	28% ✓
Toluene	9.74		1.0		9.74	16.2	121.2	0.60	14% ✓
Ethylbenzene	9.55		1.0		9.55	17.2	311.3	0.56	
O-Xylenes	9.45		1.0		9.45	26.05	342.1	0.36	
M-Xylenes	9.5		1.0		9.50	26.05	342.1	0.36	
P-Xylenes	9.3		1.0		9.30	32.4	429.2	0.29	

Notes: RF = Conc. ÷ Area (vs) ; Actual Std. Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

Standard: BTEX
Concentration: 5 ppm Tedlar or Glass Bulb
Inj. volume: 1.0 ml
Analysis #: 29
Time: 14.38

Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Benzene	4.93		1.0 ml		4.93	8.8	53.6	.56	
Toluene	4.87		1.0		4.87	9.8	123.5	.50	
Ethylbenzene	4.77		1.0		4.77	11.3	314.9	.42	
O-Xylenes	4.73		1.0		4.73	15.5	348.5	.31	
M-Xylenes	4.75		1.0		4.75	15.5	348.5	.31	
P-Xylenes	4.65		1.0		4.65	19.6	434.8	.24	

Notes: RF = Conc. ÷ Area (vs) ; Actual Std. Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

15B

SOIL GAS CALIBRATION DATA FOR MIXED BTEX STANDARDS

ENGINEERING-SCIENCE	CLIENT: ACOE	DATE: 6/6/94
PROJECT: LOCATION:		Operator: KS/DFM

Standard: BTEX
Concentration: 2 ppm ~~Tedlar or Glass Bulb~~
Inj. volume: 0.2 of 10 ppm STD
Analysis #: 30
Time: 14:58

Comments: vol. inj (0.2 ml inj of 10 ppm)

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Benzene	9.86		0.2		1.97	3.1	54.7	.635	
Toluene	9.74		0.2		1.95	3.7	125	.53	
Ethylbenzene	9.55		0.2		1.91	4.8	319.1	.40	
O-Xylenes	9.45		0.2		1.89	5.75	353.3	.33	
M-Xylenes	9.5		0.2		1.90	5.75	353.3	.33	
P-Xylenes	9.3		0.2		1.86	5.3	440.4	.35	

Notes: RF = Conc. ÷ Area (vs) ; Actual Std. Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

Standard: BTEK
Concentration: 1 PPM ~~Tedlar or Glass Bulb~~
Inj. volume: 0.2 ml inj of 5 ppm STD
Analysis #:
Time:

Comments: vol. inj. (0.2 ml inj of 5 ppm)

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Benzene	4.93		0.2		0.98	2.2	54.8	.445	
Toluene	4.87		0.2		0.97	2.3	125.3	.42	
Ethylbenzene	4.77		0.2		0.95	3.1	320.3	.31	
O-Xylenes	4.73		0.2		0.95	3.6	354.5	.26	
M-Xylenes	4.75		0.2		0.95	3.6	354.5	.26	
P-Xylenes	4.65		0.2		0.93	2.4	442.0	.39	

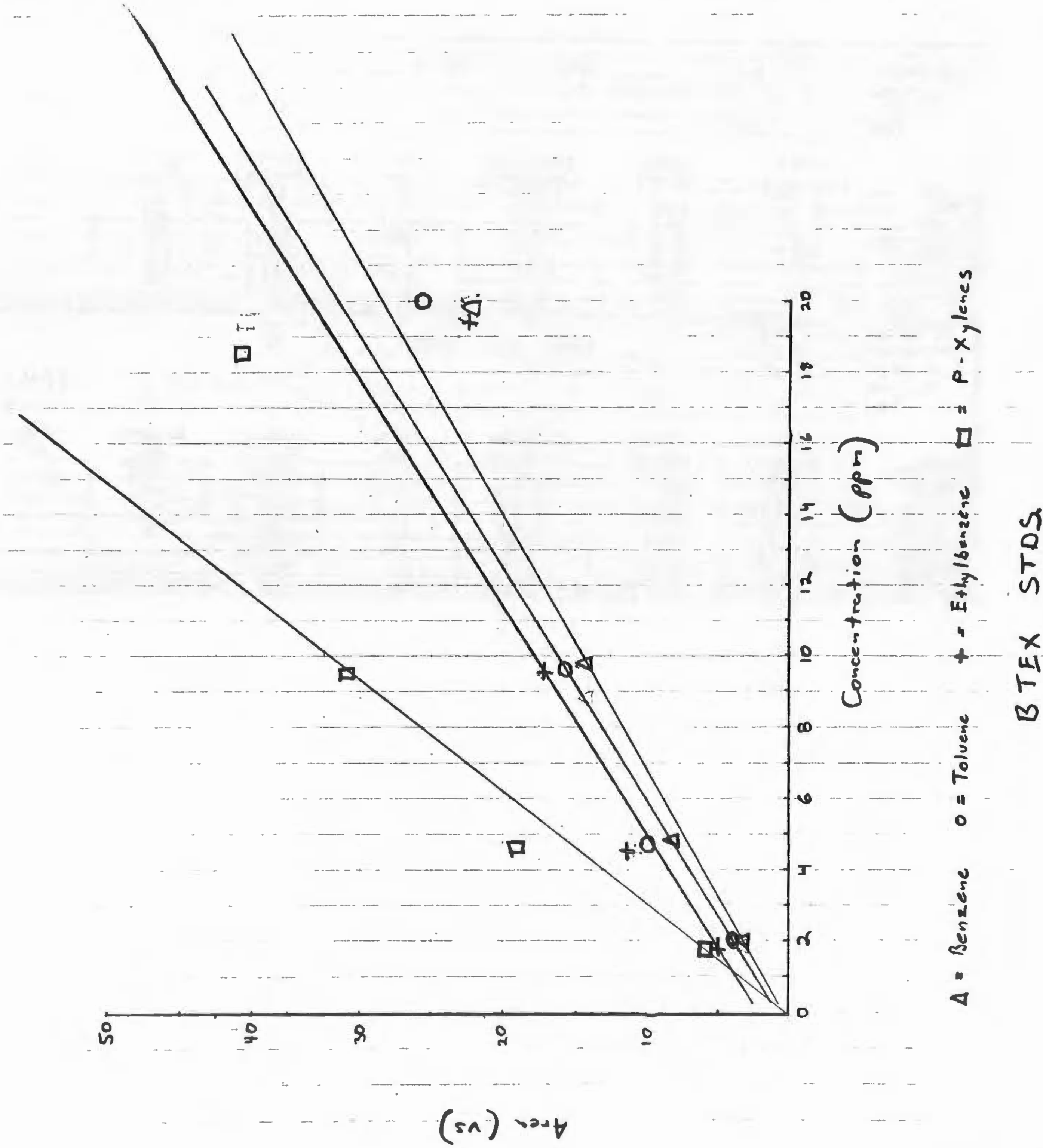
Notes: RF = Conc. ÷ Area (vs) ; Actual Std. Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

PARSONS MAIN, INC. PARSONS

CLIENT: ACOE   JOB NO.:   SHEET: 15C OF:

SUBJECT: Calibration Curve - BTEX   BY: KKS   DATE: 6/6/94

CKD.:   REVISION:



5.0 2.5 1.88 1.25 .625

Soil Gas Survey at SEAD-64D

Photovac 10S50 Calibration Curve Data for 6/6/94
Mixed Standards:

Benzene

X Variable (Conc.)	Y Variable (Response Vs)
19.72	22.1
9.86	14.6
4.93	8.8
1.97	3.1
0.98	2.2

Regression Output

Constant		0
Std Err of Y Est		2.21619
R Squared		0.929033
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	1.225467	
Std Err of Coef.	0.097722	
Slope	0.816015	

Toluene

X Variable (Conc.)	Y Variable (Response Vs)
19.48	28.2
9.74	16.2
4.87	9.8
1.95	3.7
0.97	2.3

Regression Output

Constant		0
Std Err of Y Est		1.651162
R Squared		0.975652
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	1.520065	
Std Err of Coef.	0.073636	
Slope	0.657858	

Ethybenzene

X Variable (Conc.)	Y Variable (Response Vs)
19.1	22.2
9.55	17.2
4.77	11.3
1.91	4.8
0.95	3.1

Regression Output

Constant		0
Std Err of Y Est		3.976895
R Squared		0.758749
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	1.35376	
Std Err of Coef.	0.160696	
Slope	0.738683	

O-Xylene

X Variable (Conc.)	Y Variable (Response Vs)
18.9	39
9.45	26.05
4.73	15.5
1.89	5.75
0.95	3.6

Regression Output

Constant		0
Std Err of Y Est		3.976527
R Squared		0.927254
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	2.262265	
Std Err of Coef.	0.162771	
Slope	0.442031	

M-Xylene

X Variable (Conc.)	Y Variable (Response Vs)
19	39
9.5	26.05
4.75	15.5
1.9	5.75
0.95	3.6

Regression Output

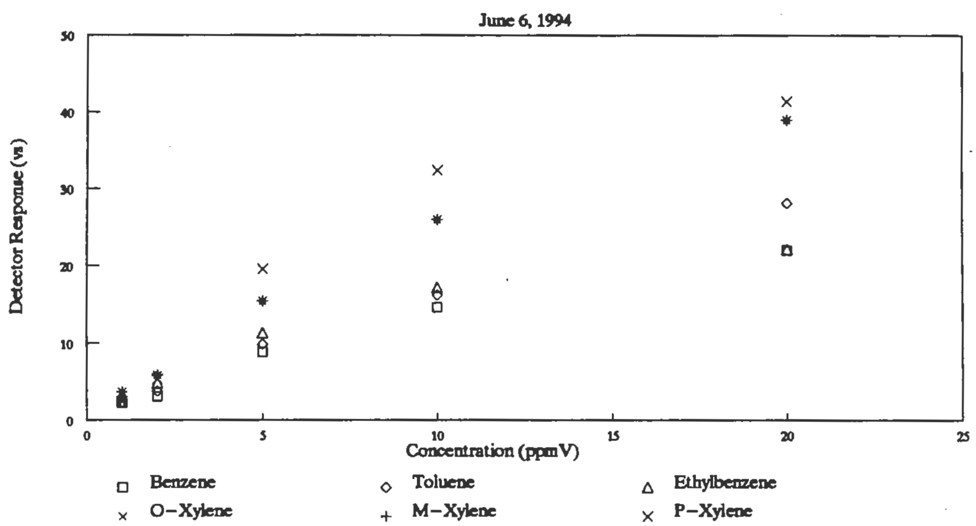
Constant		0
Std Err of Y Est		3.960977
R Squared		0.927091
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	2.250447	
Std Err of Coef.	0.162024	
Slope	0.444356	

P-Xylene

X Variable (Conc.)	Y Variable (Response Vs)
18.6	41.4
9.3	32.4
4.65	19.6
1.86	5.3
0.93	2.4

Regression Output

Constant		0
Std Err of Y Est		6.557003
R Squared		0.84681
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	2.562386	
Std Err of Coef.	0.306256	
Slope	0.390261	

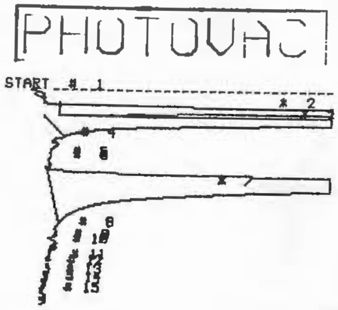


PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. ______ SHEET 16 OF ______

SUBJECT: CHLOR. CALIBRATION BY Rfm / KS DATE 6/6/94

CKD. ______ REVISION ______



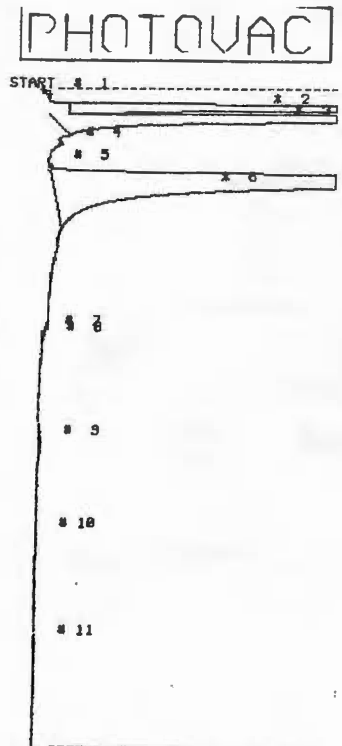
SAMPLE LIBRARY 1 JUN 6 94 15:23
ANALYSIS # 32 SYR BLK
INTERNAL TEMP 40 1.0 ML INJ
GAIN 5 SYG N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.8	9.4	US
UNKNOWN	3	24.0	12.9	US
UNKNOWN	7	73.5	36.3	US

STOP @ 210.5
SAMPLE LIBRARY 1 JUN 6 94 15:24
ANALYSIS # 33 SYR BLK
INTERNAL TEMP 41 1.0 ML INJ
GAIN 5 SYG N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.8	9.4	US
UNKNOWN	3	24.0	12.9	US
UNKNOWN	7	73.5	36.3	US

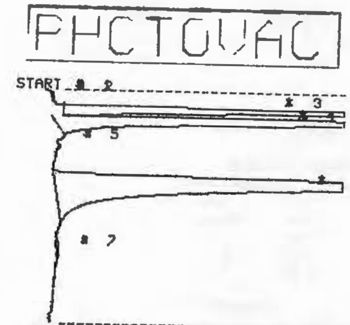
keith messed up



STOP @ 515.6
SAMPLE LIBRARY 1 JUN 6 94 15:34
ANALYSIS # 34 20 PPM CHLOR STD
INTERNAL TEMP 38 1.0 ML INJ
GAIN 5 SYG N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.8	10.0	US
UNKNOWN	3	24.0	13.8	US
UNKNOWN	6	73.4	36.9	US

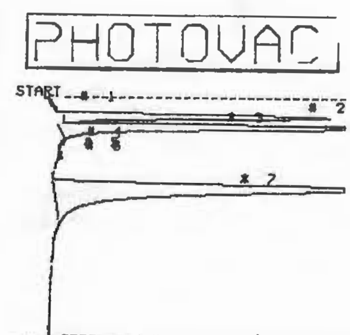
20 ppm



STOP @ 182.0
SAMPLE LIBRARY 1 JUN 6 94 15:38
ANALYSIS # 35 10 PPM CHLOR STD
INTERNAL TEMP 41 1.0 ML INJ
GAIN 5 SYG N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	15.5	6.3	US
UNKNOWN	4	23.7	9.5	US
UNKNOWN	6	72.7	20.4	US

10 ppm



STOP @ 186.5
SAMPLE LIBRARY 1 JUN 6 94 15:42
ANALYSIS # 36 5 PPM CHLOR STD
INTERNAL TEMP 42 1.0 ML INJ
GAIN 5 SYG N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.2	3.5	US
UNKNOWN	3	23.6	5.4	US
UNKNOWN	7	72.1	10.7	US

5 ppm

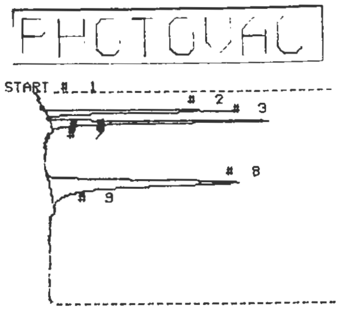
→ CHLOR. CAL →

PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. SHEET [illegible] OF

SUBJECT BY Pfm/KS DATE 6/6/94

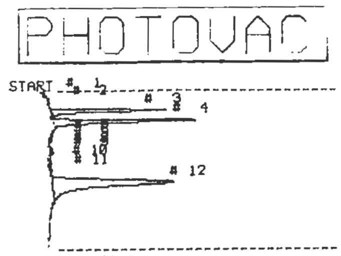
CKD. REVISION



STOP @ 166.4
SAMPLE LIBRARY 1 JUN 6 94 15:53
ANALYSIS # 37 10 PPM CHLOR STD
INTERNAL TEMP 41 0.2 ML INJ
GAIN 5 SYG N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	1.2 VS
UNKNOWN	3	24.4	1.8 VS
UNKNOWN	8	73.5	4.0 VS

2 ppm



STOP @ 123.6
SAMPLE LIBRARY 1 JUN 6 94 15:56
ANALYSIS # 38 5 PPM CHLOR STD
INTERNAL TEMP 41 0.2 ML INJ
GAIN 5 SYG N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	16.3	700.9 mVS
UNKNOWN	4	24.4	1.0 VS
UNKNOWN	12	73.5	2.4 VS

1 ppm

→ CHLOR. CALIBRATION →

SOIL GAS CALIBRATION DATA FOR MIXED CHLORINATED STANDARDS

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/6/94
PROJECT: SEAD - 15 SWMU LOCATION: Romulus, NY SEAD - 64D		Operator:

Instrument Specs:

Type of GC: Photovac 10S 50
Column Type: CPSil-5
Chart Speed: 1 cpm
Gain: 5
Sensitivity: 5/10
Gas Flow Rate: 7 ml/min
Tank Pressure: 1350

Standard: Chlor.
Concentration: 20 ppm Tedlar or Glass Bulb
Inj. volume: 1.0 ml
Analysis #: 34
Time: 15:34

Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Vinyl Chloride	20.4		1.0		20.4	10.0	15.8	2.04	
1,1–DCE	19.92		1.0		19.92	13.8	24.0	1.44	
TCE	19.68		1.0		19.68	36.9	73.4	0.53	

Notes: RF = Conc. ÷ Area (vs) ; Actual Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

Standard: CHLOR
Concentration: 10 ppm Tedlar or Glass Bulb
Inj. volume: 1.0 ml
Analysis #: 35
Time: 15:38

Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Vinyl Chloride	10.2		1.0		10.2	6.3	15.5	1.6	
1,1–DCE	9.96		1.0		9.96	9.5	23.7	1.05	
TCE	9.84		1.0		9.84	20.4	72.7	0.48	

Notes: RF = Conc. ÷ Area (vs) ; Actual Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

Standard: CHLOR.
Concentration: 5 ppm Tedlar or Glass Bulb
Inj. volume: 1.0 ml
Analysis #: 36
Time: 15:42

Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Vinyl Chloride	5.1		1.0		5.1	3.5	16.2	1.46	
1,1–DCE	4.98		1.0		4.98	5.4	23.6	0.92	
TCE	4.92		1.0		4.92	10.7	72.1	0.45	

Notes: RF = Conc. ÷ Area (vs) ; Actual Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

Standard: CHLOR.
Concentration: 2 ppm ~~Tedlar or Glass Bulb~~
Inj. volume: 0.2 ml
Analysis #: 37
Time:

Comments: vol. inj. (0.2 ml inj. of 10 ppm)

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Vinyl Chloride	10.2		0.2		2.04	1.2	16.3	1.7	
1,1–DCE	9.96		0.2		1.99	1.8	24.4	1.10	
TCE	9.84		0.2		1.95	4.0	73.5	0.49	

Notes: RF = Conc. ÷ Area (vs) ; Actual Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

Standard: CHLOR
Concentration: 1 ppm ~~Tedlar or Glass Bulb~~
Inj. volume: 0.2 ml
Analysis #: 38
Time:

Comments: vol. inj (0.2 ml inj. of 5 ppm)

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Vinyl Chloride	5.1		0.2		1.02	0.700	16.3	1.45	
1,1–DCE	4.98		0.2		0.99	1.0	24.4	0.99	
TCE	4.92		0.2		0.98	2.4	73.5	0.41	

Notes: RF = Conc. ÷ Area (vs) ; Actual Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

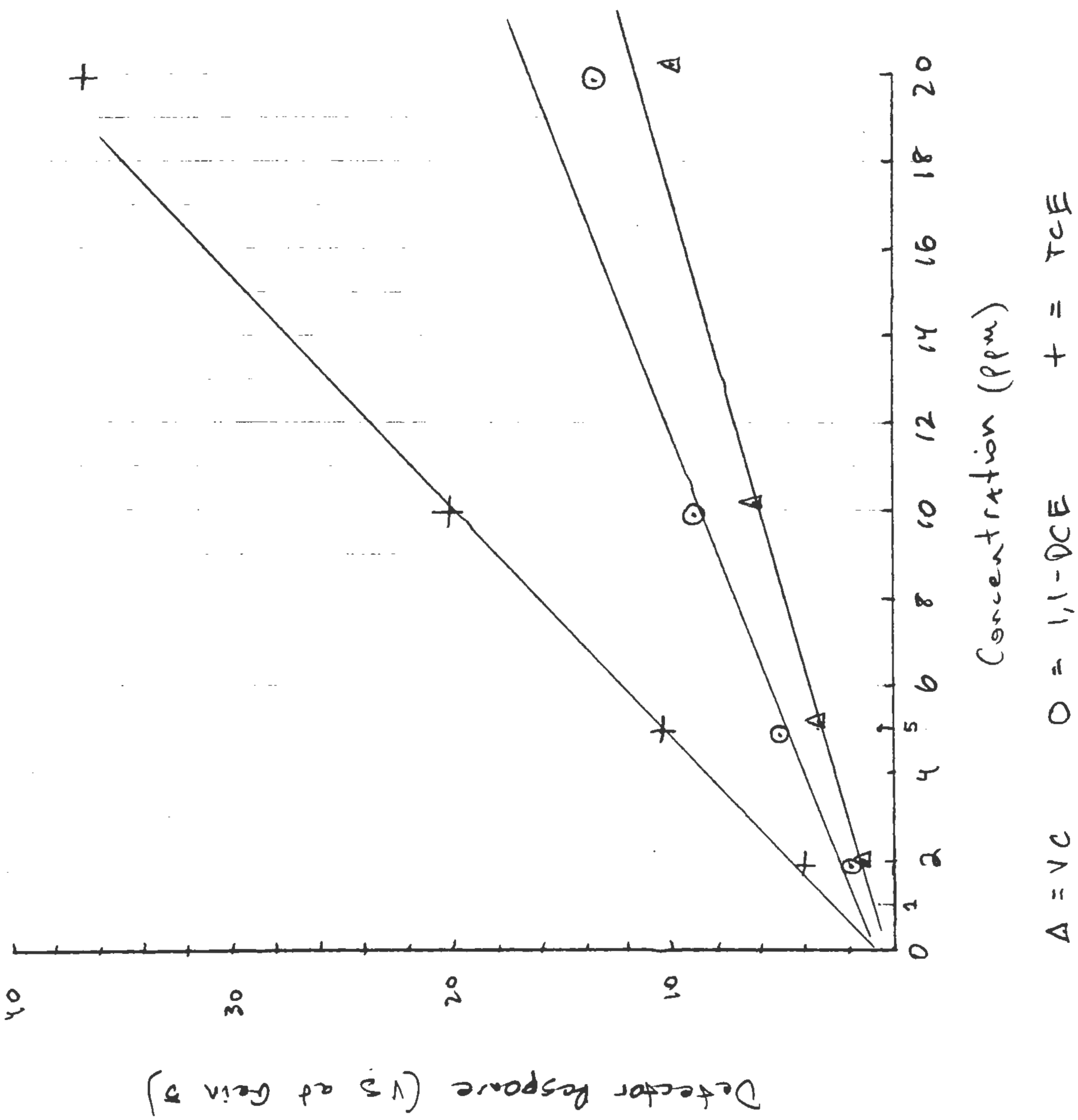
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ____ SHEET 19 OF ____

SUBJECT ____ BY ffm | kcs DATE 6/6/94

CKD. ____ REVISION ____

CALIBRATION CURVE ō CHLOR.



Photovac 10S50 Calibration Curve Data for 6/6/94
Mixed Standards:

Vinyl Chloride

X Variable (Conc.)	Y Variable (Response Vs)
20.4	10
10.2	6.3
5.1	3.5
2.04	1.2
1.02	0.7

Regression Output

Constant		0
Std Err of Y Est		0.727536
R Squared		0.964531
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	0.524602	
Std Err of Coef.	0.030963	
Slope	1.906206	

1,1-DCE

X Variable (Conc.)	Y Variable (Response Vs)
19.92	13.8
9.96	9.5
4.96	5.4
1.99	1.8
0.99	1

Regression Output

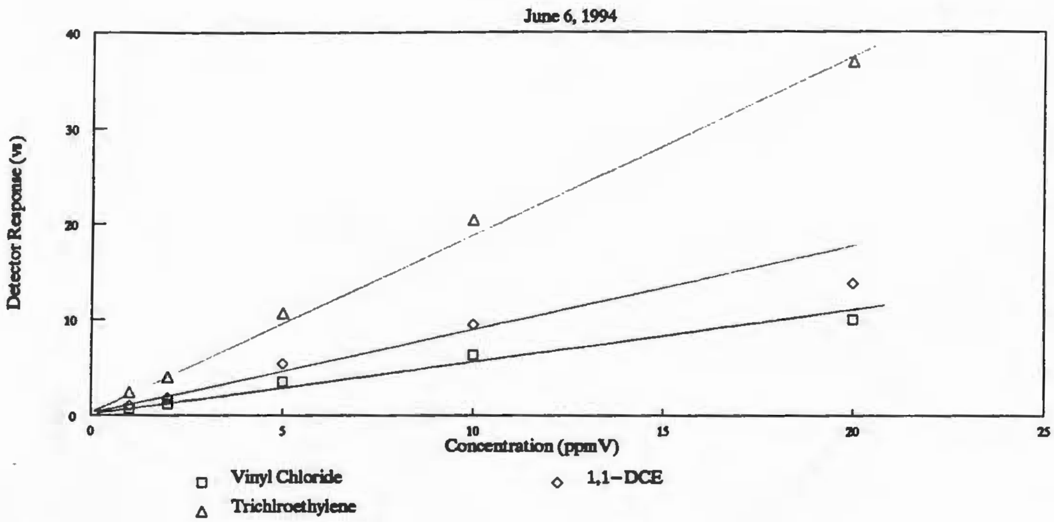
Constant		0
Std Err of Y Est		1.437794
R Squared		0.928494
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	0.762684	
Std Err of Coef.	0.062706	
Slope	1.311159	

TCE

X Variable (Conc.)	Y Variable (Response Vs)
19.68	36.9
9.84	20.4
4.92	10.7
1.95	4
0.96	2.4

Regression Output

Constant		0
Std Err of Y Est		1.109155
R Squared		0.993902
No. of Observations		5
Degrees of Freedom		4
X Coefficient(s)	1.928921	
Std Err of Coef.	0.048966	
Slope	0.518425	



PARSONS MAIN, INC. PARSONS

CLIENT: ACOE | JOB NO. | SHEET 20 OF
SUBJECT: | BY | DATE 6/6/94
| CKD. | REVISION

FP

TOVAC

JUN 6 94 16:31

FIELD: 30
POWER: 34

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	60.0
EVENT 4	0.0	0.0
EVENT 5	10.0	60.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC

JUN 6 94 16:32

FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	60.0
EVENT 4	0.0	0.0
EVENT 5	10.0	60.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

Δ event schedule

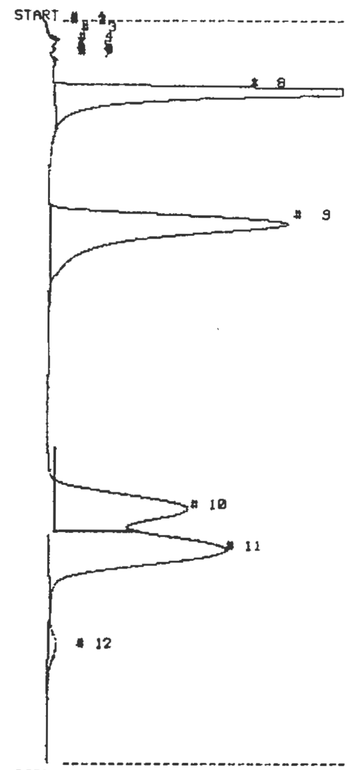
Events 3 + 5 to end @ 60.0 sec,

not 200 as in standard runs

∴ pre-column backflush starts at

60 secs

PHOTOVAC



STOP @ 580.0
SAMPLE LIBRARY 1 JUN 6 94 16:50
ANALYSIS # 39 10 PPM BTEX STD
INTERNAL TEMP 34 1.0 ML INJ
GAIN 5 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	8	56.4	12.7	VS
UNKNOWN	9	161.0	14.7	VS
UNKNOWN	10	387.3	10.9	VS
UNKNOWN	11	419.6	14.7	VS
UNKNOWN	12	496.8	516.5	mVS

lost P-xylene peak

PARSONS MAIN, INC. **PARSONS**

CLIENT	ACOE	JOB NO.	SHEET 21 OF
SUBJECT		BY RTM/KS	DATE 6/6/94
		CKD.	REVISION

PHOTOVAC

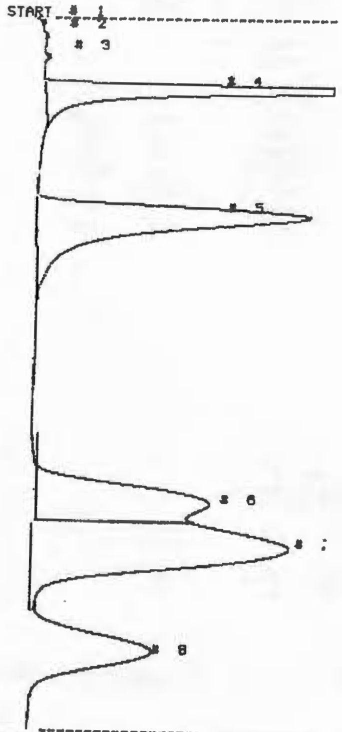
JUN 6 94 16:51

FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

Δ events 3+5 to end at 70.0 seconds; may get P-Xylene peak now

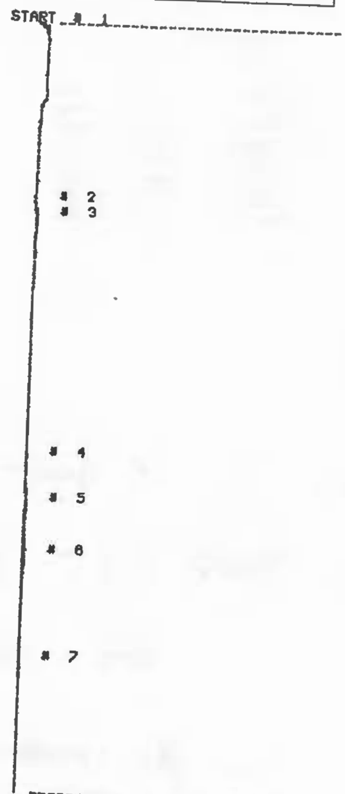
PHOTOVAC



STOP @ 550.0
SAMPLE LIBRARY 1 JUN 6 94 17:2
ANALYSIS # 40 10 PPM BTEX STD
INTERNAL TEMP 34 1.0 ML INJ
GAIN 5 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	55.2	12.9	US
UNKNOWN	5	155.9	18.8	US
UNKNOWN	6	383.8	15.3	US
UNKNOWN	7	418.1	29.1	US

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 6 94 17:14
ANALYSIS # 41 SYR BLK
INTERNAL TEMP 34 1.0 ML INJ
GAIN 5 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	8	419.8	103.4 mUS

PARSONS MAIN, INC. PARSONS

CLIENT ACOE

JOB NO.

SHEET 22 OF 22

SUBJECT

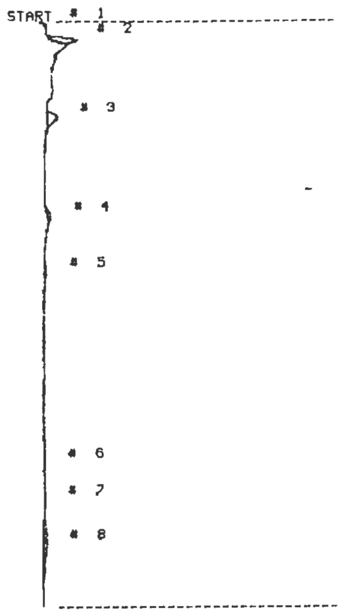
BY RFM/KS

DATE 6/6/94

CKD.

REVISION

PHCTCVAC



STOP @ 458.5
SAMPLE LIBRARY 1 JUN 6 94 17:47
ANALYSIS # 42 SYR BLK
INTERNAL TEMP 34 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.7	182.9 mVS
UNKNOWN	3	76.7	236.9 mVS
UNKNOWN	8	413.2	204.1 mVS

END OF DAY

RFM

PARSONS MAIN, INC. | PARSONS

CLIENT ACOE | JOB NO. | SHEET 1 OF 14

SUBJECT | BY KKS | DATE 6/7/94

CKD. | REVISION

PHOTOVAC

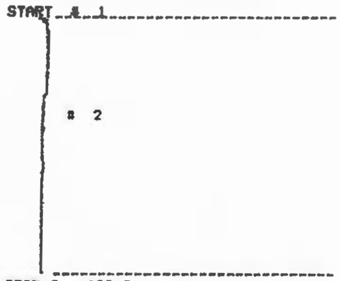
PHOTOVAC

JUN 7 94 9:24

FIELD: 30
POWER: 40

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

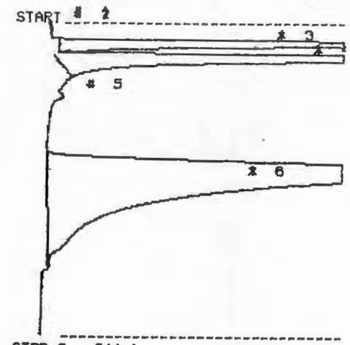
PHOTOVAC



STOP @ 199.9
SAMPLE LIBRARY 1 JUN 7 94 9:29
ANALYSIS # 1 SYR BLK
INTERNAL TEMP 25 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

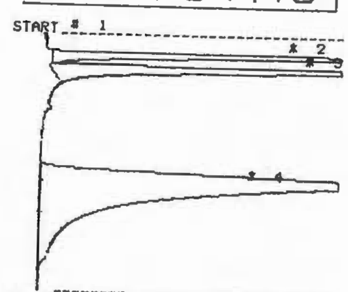
PHOTOVAC



STOP @ 244.1
SAMPLE LIBRARY 1 JUN 7 94 9:34
ANALYSIS # 2 20 PPM CHLOR STD
INTERNAL TEMP 26 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	16.6	3.3	US
UNKNOWN	4	27.7	13.4	US
UNKNOWN	6	117.8	47.4	US

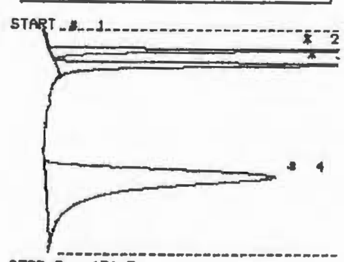
PHOTOVAC



STOP @ 200.9
SAMPLE LIBRARY 1 JUN 7 94 9:38
ANALYSIS # 3 20 PPM CHLOR STD
INTERNAL TEMP 27 ~~1.0 ML~~ INJ 0.5 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.7	5.2	US
UNKNOWN	3	27.7	7.4	US
UNKNOWN	4	116.3	23.2	US

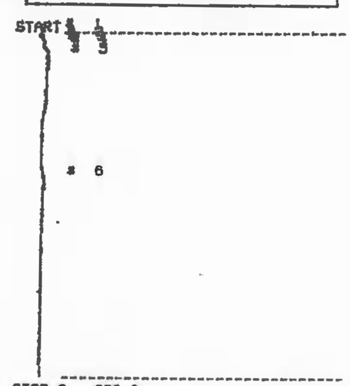
PHOTOVAC



STOP @ 174.7
SAMPLE LIBRARY 1 JUN 7 94 9:41
ANALYSIS # 4 20 PPM CHLOR STD
INTERNAL TEMP 27 0.25 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.7	2.7	US
UNKNOWN	3	27.8	3.9	US
UNKNOWN	4	116.5	12.3	US

PHOTOVAC



STOP @ 269.2
SAMPLE LIBRARY 1 JUN 7 94 9:46
ANALYSIS # 5 SYR BLK
INTERNAL TEMP 27 0.10 ML INJ
GAIN 5 SYR S

COMPOUND NAME PEAK R.T. AREA/PPM

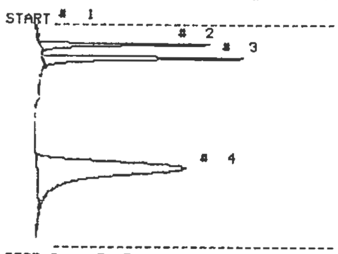
PARSONS MAIN, INC. **PARSONS**

CLIENT ACOF JOB NO. ______ SHEET 2 OF 14

SUBJECT ______ BY KKS DATE 6/7/94

CKD. ______ REVISION ______

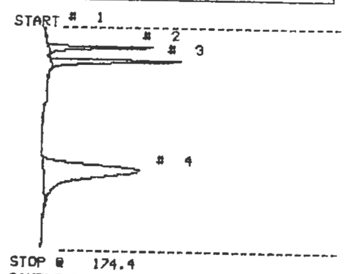
PHOTOVAC



STOP @ 174.5
SAMPLE LIBRARY 1 JUN 7 94 9:49
ANALYSIS # 6 ~~SYR BLK~~ KKS 20ppm Chlor Std.
INTERNAL TEMP 28 0.10 ML INJ
GAIN 5 SYR S

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.9	1.2 VS
UNKNOWN	3	27.6	1.8 VS
UNKNOWN	4	115.1	6.3 VS

PHOTOVAC



STOP @ 174.4
SAMPLE LIBRARY 1 JUN 7 94 9:53
ANALYSIS # 7 ~~SYR BLK~~ KKS 20ppm Chlor Std.
INTERNAL TEMP 28 0.10 ML INJ
GAIN 5 SYR S

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.7	719.7 mVS
UNKNOWN	3	27.5	1.1 VS
UNKNOWN	4	114.3	3.6 VS

SOIL GAS CALIBRATION DATA FOR ~~MIXED~~ VOLUME CHLORINATED STANDARDS

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/7/94

PROJECT: SEAD - 15 SWMU
LOCATION: SEAD - 64D
Operator: Kerry Smith

Instrument Specs:

Type of GC: Photovac 10S50
Column Type: CPSil-5
Chart Speed: 1 cpm
Gain: 5
Sensitivity: 5/10
Gas Flow Rate: 7 ml/min
Tank Pressure: 1400

1 ml

Standard: Chlor.
Concentration: 20 ppm Tedlar or Glass Bulb
Inj. volume: 1 ml of 20 ppm Std.
Analysis #: 2
Time: 0934
Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Vinyl Chloride	20.4		1.0		20.4	9.3	16.6	2.19	
1,1–DCE	19.92		1.0		19.92	13.4	27.7	1.48	
TCE	19.68		1.0		19.68	47.4	117.8	0.415	

Notes: RF = Conc. + Area (vs) ; Actual Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

0.5 ml

Standard: Chlor.
Concentration: 10 ppm Tedlar or Glass Bulb
Inj. volume: 0.5 ml of 20 ppm Std.
Analysis #: 3
Time: 0938
Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Vinyl Chloride	20.4		0.5		10.2	5.2	16.7	1.96	
1,1–DCE	19.92		0.5		9.96	7.4	27.7	1.34	
TCE	19.68		0.5		9.84	23.2	116.3	0.42	

Notes: RF = Conc. + Area (vs) ; Actual Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

0.25

Standard: Chlor.
Concentration: 5.0 ppm Tedlar or Glass Bulb
Inj. volume: 0.25 ml of 20 ppm Std.
Analysis #: 4
Time: 0941
Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Vinyl Chloride	20.4		0.25		5.1	2.7	16.7	1.89	
1,1–DCE	19.92		0.25		4.98	3.9	27.6	1.28	
TCE	19.68		0.25		4.92	12.3	116.5	0.4	

Notes: RF = Conc. + Area (vs) ; Actual Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

0.1

Standard: Chlor
Concentration: 2.0 ppm Tedlar or Glass Bulb
Inj. volume: 0.10 ml of 20 ppm Std.
Analysis #: 6
Time: 0949
Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Vinyl Chloride	20.4		0.10		2.04	1.2	16.9	1.7	
1,1–DCE	19.92		0.10		1.99	1.8	27.6	1.10	
TCE	19.68		0.10		1.97	6.3	115.1	0.31	

Notes: RF = Conc. + Area (vs) ; Actual Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

0.05 ml

Standard: Chlor.
Concentration: 1.0 ppm Tedlar or Glass Bulb
Inj. volume: 0.05 ml of 20 ppm Std
Analysis #: 7
Time: 0953
Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Vinyl Chloride	20.4		0.05		1.02	.72	16.7	1.42	
1,1–DCE	19.92		0.05		1.00	1.1	27.5	0.91	
TCE	19.68		0.05		0.98	3.6	114.3	0.27	

Notes: RF = Conc. + Area (vs) ; Actual Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

PARSONS MAIN, INC.

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CLIENT ACOE

JOB NO.

SHEET 4 OF 14

SUBJECT

BY KKS

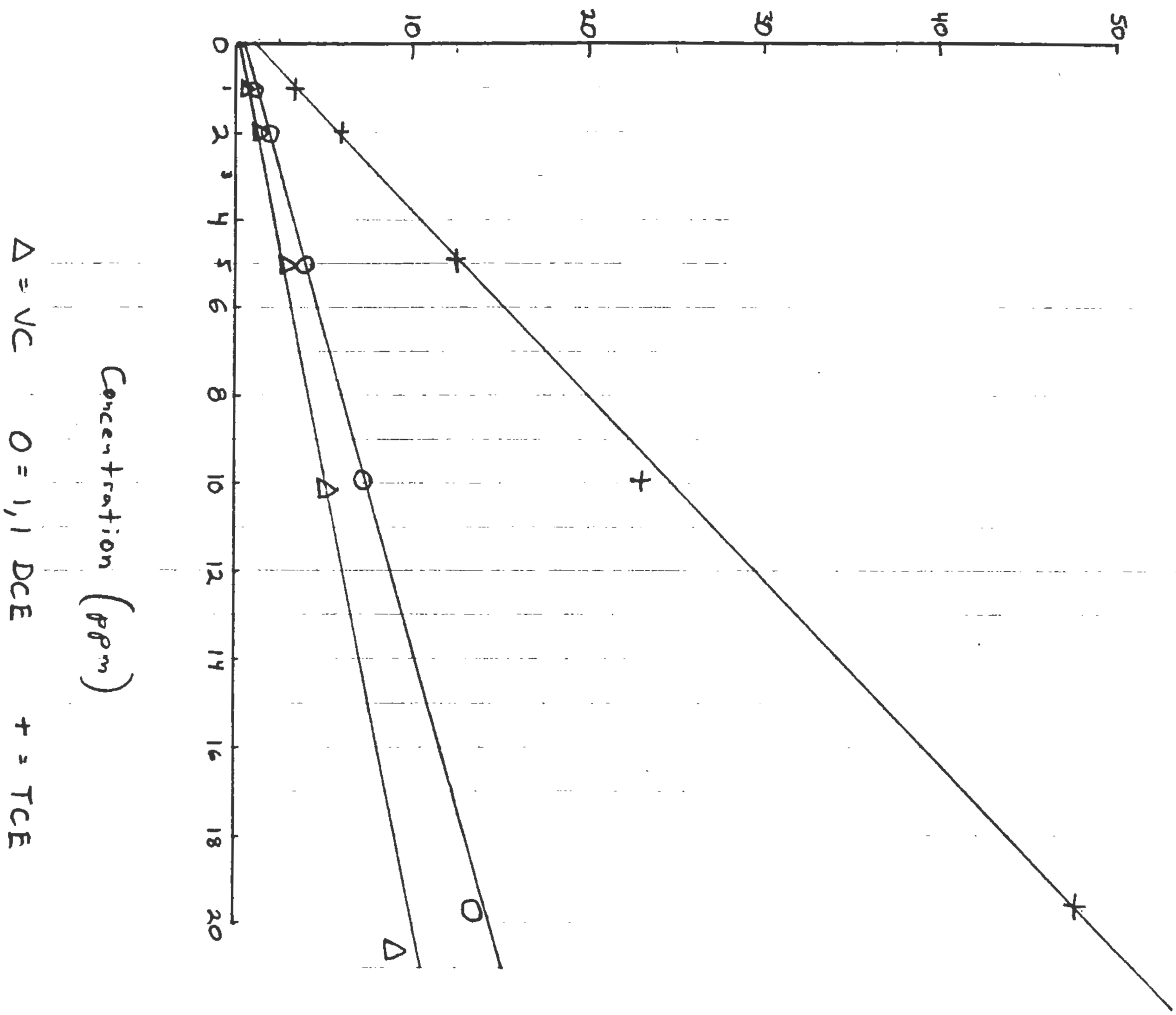
DATE 6/7/94

CKD.

REVISION

Volumetric Calibration Curve : Chlor.

Detector Response (vs at Gain 5)



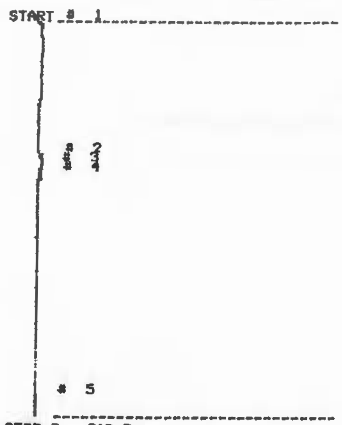
PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. ______ SHEET 5 OF 14

SUBJECT ______ BY KKS DATE 6/7/94

______ CKD. ______ REVISION ______

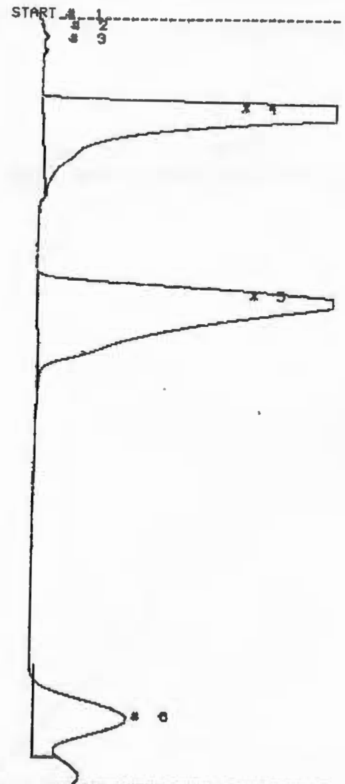
PHOTOVAC



STOP @ 310.0
SAMPLE LIBRARY 1 JUN 7 94 10:17
ANALYSIS # 8 STR BLK
INTERNAL TEMP 27 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 7 94 10:27
ANALYSIS # 9 ~~SYR BLK~~ KKS 20ppm BTEX STD
INTERNAL TEMP 26 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	73.4	40.2	US
UNKNOWN	5	222.7	34.6	US
UNKNOWN	6	556.1	10.2	US

PHOTOVAC

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 7 94 10:46
ANALYSIS # 10 SYR BLK
INTERNAL TEMP 26 1.0 ML INJ
GAIN 5 SYR S

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	5	371.9	787.4	mUS
UNKNOWN	6	584.1	1.4	US

Column Temp may be too low - raised oven temp to 40°C

PHOTOVAC

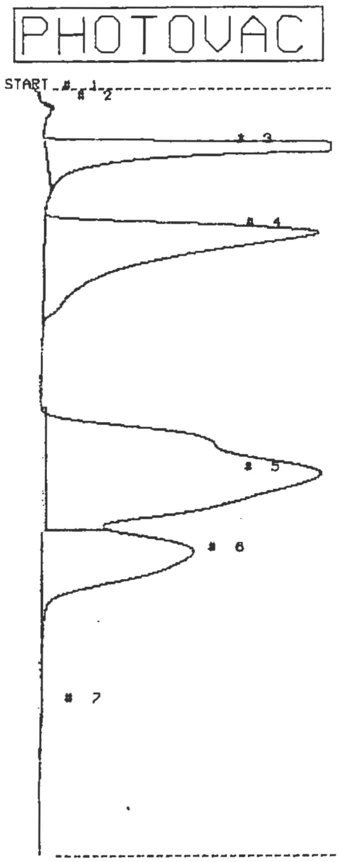
STOP @ 17.1
SAMPLE LIBRARY 1 JUN 7 94 10:53
ANALYSIS # 11 NO INJ
INTERNAL TEMP 26
GAIN 5

COMPOUND NAME PEAK R.T. AREA/PPM

CLIENT ____ JOB NO. ____ SHEET 6 OF 14

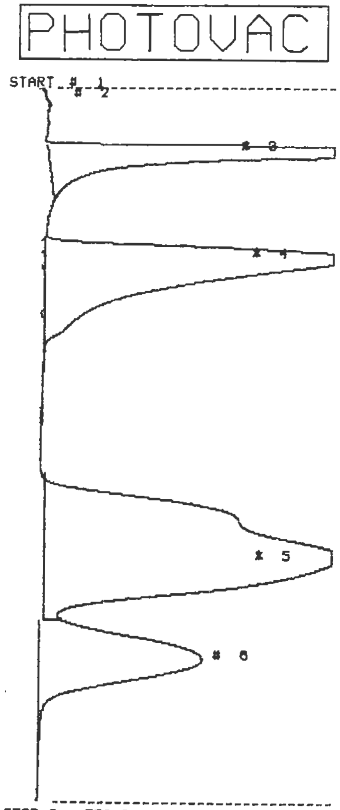
SUBJECT ____ BY KKS DATE ____

CKD. ____ REVISION ____



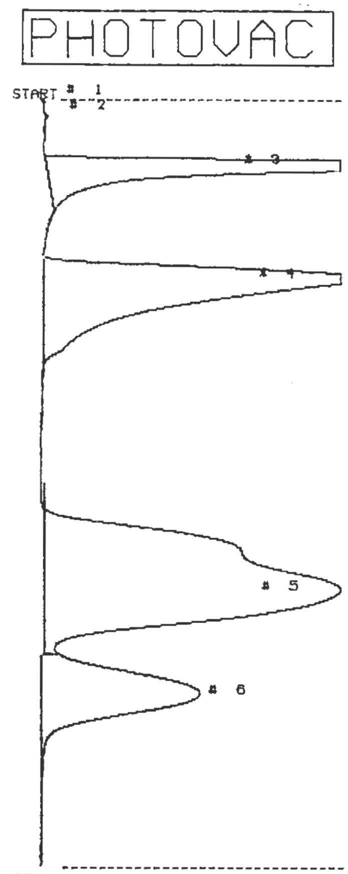
STOP @ 600.0
SAMPLE LIBRARY 1 JUN 7 94 11: 6
ANALYSIS # 12 ~~NO INJ~~ 20ppm BTEX STD
INTERNAL TEMP 27 1.0 ML INJ
GAIN 5 SYR: N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	45.5	18.6	VS
UNKNOWN	4	113.5	25.3	VS
UNKNOWN	5	306.5	49.1	VS
UNKNOWN	6	369.1	18.1	VS



STOP @ 559.6
SAMPLE LIBRARY 1 JUN 7 94 11:31
ANALYSIS # 13 20 PPM BTEX STD
INTERNAL TEMP 28 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	50.4	23.6	VS
UNKNOWN	4	135.1	34.5	VS
UNKNOWN	5	369.8	62.2	VS
UNKNOWN	6	454.0	19.6	VS



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 7 94 11:56
ANALYSIS # 14 20 PPM BTEX STD
INTERNAL TEMP 28 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	51.8	23.3	VS
UNKNOWN	4	141.0	33.3	VS
UNKNOWN	5	389.4	58.3	VS
UNKNOWN	6	471.6	18.5	VS

Lost Ethylbenzene -
Column maybe too hot
turned down to 30°C
note - no change on temp readout
although column felt warm.

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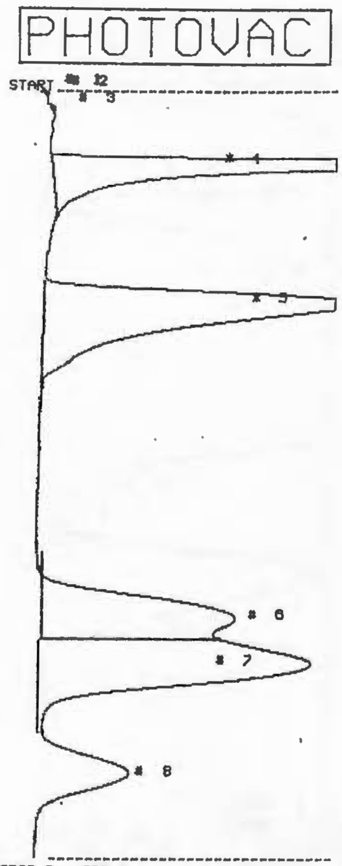
CLIENT ACOE JOB NO. ______ SHEET 7 OF 14

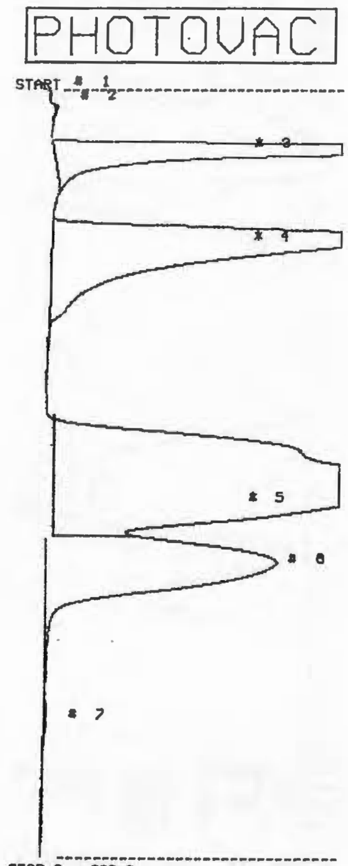
SUBJECT ______ BY KKS DATE 6/7/94

______ CKD. ______ REVISION ______



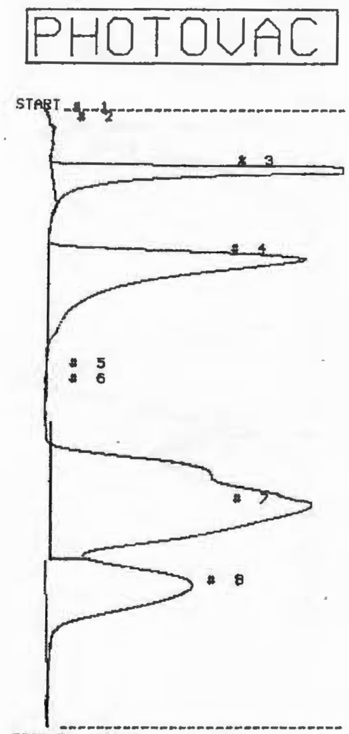
STOP @ 600.0
SAMPLE LIBRARY 1 JUN 7 94 12:45
ANALYSIS # 15 20 PPM BTEX STD
INTERNAL TEMP 31 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	58.6	23.6	VS
UNKNOWN	5	167.8	32.9	VS
UNKNOWN	6	419.6	19.8	VS
UNKNOWN	7	456.4	30.8	VS



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 7 94 13:24
ANALYSIS # 16 20 PPM BTEX STD
INTERNAL TEMP 32 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	46.9	23.4	VS
UNKNOWN	4	117.7	38.5	VS
UNKNOWN	5	311.3	88.7	VS
UNKNOWN	6	375.4	28.2	VS
UNKNOWN	7	497.7	109.9	mVS



STOP @ 481.4
SAMPLE LIBRARY 1 JUN 7 94 13:35
ANALYSIS # 17 20 PPM BTEX STD
INTERNAL TEMP 33 0.5 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	46.8	12.4	VS
UNKNOWN	4	117.9	19.3	VS
UNKNOWN	7	313.1	43.8	VS
UNKNOWN	8	376.8	16.5	VS

Prepared fresh
20 ppm Std. and will
start Calibration next Inj.

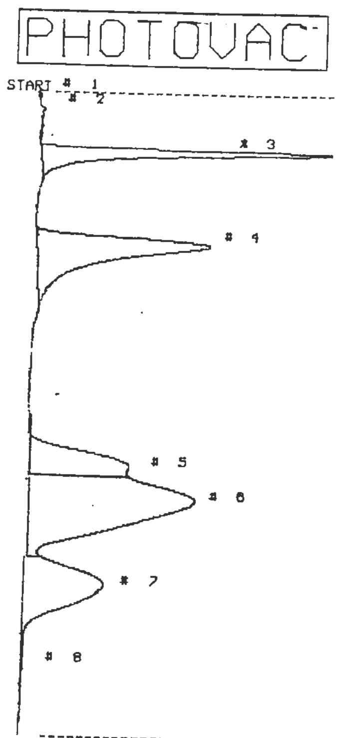
Failed to get Ethylbenzene
seperation

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ______ SHEET 8 OF 14

SUBJECT ______ BY KKS DATE 6/7/94

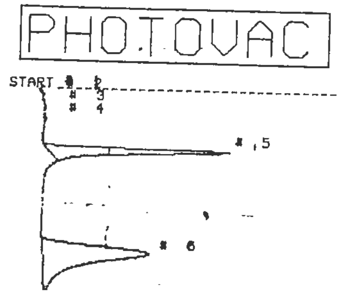
CKD. ______ REVISION ______



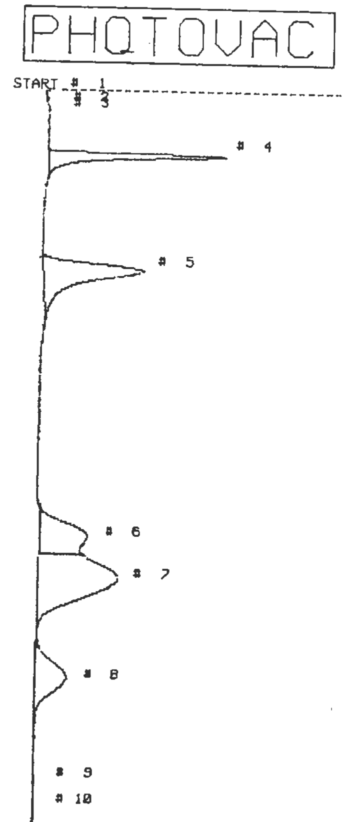
STOP @ 504.7
SAMPLE LIBRARY 1 JUN 7 94 13:43
ANALYSIS # 18 20 PPM BTEX STD
INTERNAL TEMP 33 0.25 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	46.7	6.4	US
UNKNOWN	4	120.5	10.7	US
UNKNOWN	5	297.3	5.7	US
UNKNOWN	6	323.9	20.7	US
UNKNOWN	7	392.2	8.2	US

5 ppm BTEX Std



Messed Up



STOP @ 572.7
SAMPLE LIBRARY 1 JUN 7 94 14:10
ANALYSIS # 21 20 PPM BTEX STD
INTERNAL TEMP 32 0.10 ML INJ
GAIN 5 SYR S

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	52.0	2.9	US
UNKNOWN	5	143.3	4.8	US
UNKNOWN	6	353.9	3.5	US
UNKNOWN	7	386.6	8.4	US
UNKNOWN	8	466.0	2.5	US

2 ppm BTEX Std.

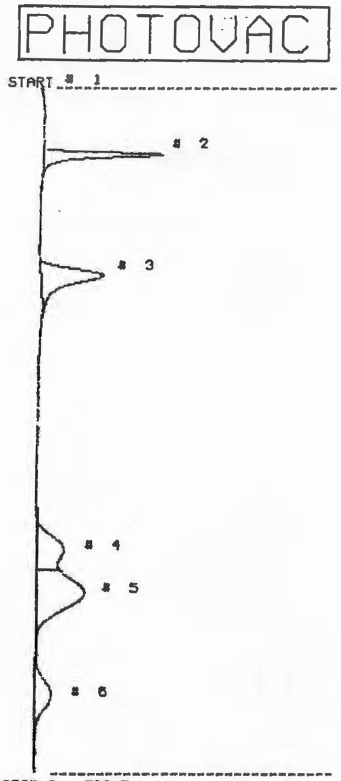
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE | JOB NO. ______ | SHEET 9 OF 14

SUBJECT: ______ | BY: KKS | DATE: 6/7/94

REVISION: ______

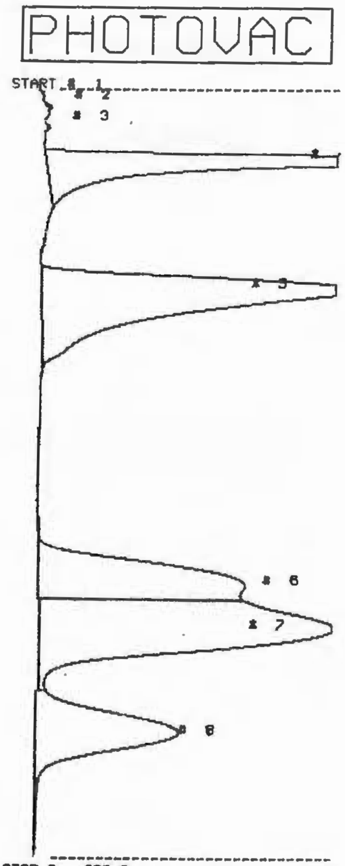
CKD.: ______



SAMPLE LIBRARY 1 JUN 7 94 14:20
ANALYSIS # 22 20 PPM BTEX STD
INTERNAL TEMP 32 0.05 ML INJ
GAIN 5 SYR S

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	53.4	1.8	US
UNKNOWN	3	149.3	2.6	US
UNKNOWN	4	368.4	2.1	US
UNKNOWN	5	402.0	4.6	US
UNKNOWN	6	483.3	1.3	US

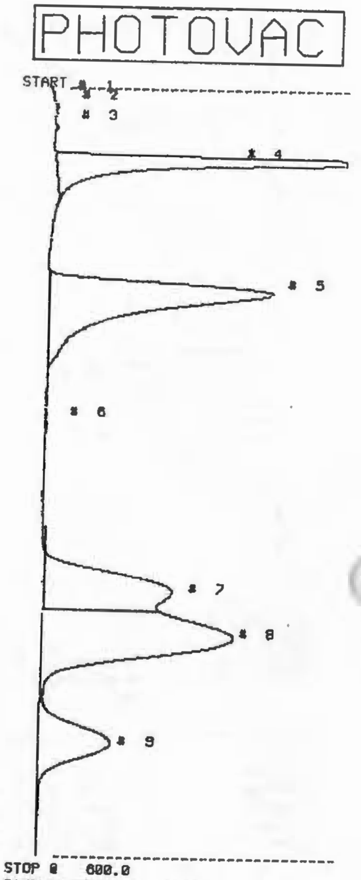
1 ppm BTEX Std.



SAMPLE LIBRARY 1 JUN 7 94 14:46
ANALYSIS # 23 20 PPM BTEX STD
INTERNAL TEMP 31 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	56.3	23.2	US
UNKNOWN	5	157.1	33.3	US
UNKNOWN	6	392.9	17.9	US
UNKNOWN	7	424.3	38.4	US
UNKNOWN	8	510.3	14.9	US

20 ppm BTEX Std.



SAMPLE LIBRARY 1 JUN 7 94 14:59
ANALYSIS # 24 20 PPM BTEX STD
INTERNAL TEMP 32 0.5 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	56.1	11.8	US
UNKNOWN	5	161.0	17.5	US
UNKNOWN	7	399.2	11.7	US
UNKNOWN	8	434.8	21.4	US
UNKNOWN	9	519.3	6.9	US

10 ppm BTEX Std.

SOIL GAS CALIBRATION DATA FOR ~~MIXED~~ VOLUME BTEX STANDARDS

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/7/94
PROJECT: SEAD - 15SWMU LOCATION: SEAD - 64D		Operator: Kerry Smith

Instrument Specs:

Type of GC: Photovac 10S50
Column Type: CPSil-5
Chart Speed: 1 cpm
Gain: 5
Sensitivity: 5/10
Gas Flow Rate: 7 ml/min
Tank Pressure: 1375

Standard: BTEX
Concentration: 20 Tedlar or Glass Bulb
Inj. volume: 1.0
Analysis #: 23
Time: 1446

Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Benzene	19.72		1.0		19.72	23.2	56.3		
Toluene	19.48		1.0		19.48	33.3	157.1		
Ethylbenzene	19.10		1.0		19.10	17.9	392.9		
O–Xylenes	18.90		1.0		18.90	} 38.4	424.3		
M–Xylenes	19.0		1.0		19.0				
P–Xylenes	18.6		1.0		18.6	14.9	510.3		

Notes: RF = Conc. ÷ Area (vs) ; Actual Std. Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

Standard: BTEX
Concentration: 10 Tedlar or Glass Bulb
Inj. volume: 0.5 ML of 20 ppm Std
Analysis #: 24
Time: 1459

Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Benzene	19.72		.5		9.86	11.8	56.1		
Toluene	19.48		.5		9.74	17.5	161.0		
Ethylbenzene	19.10		.5		9.55	11.7	399.2		
O–Xylenes	18.90		.5		9.45	} 21.4	434.8		
M–Xylenes	19.0		.5		9.50				
P–Xylenes	18.6		.5		9.30	6.9	519.3		

Notes: RF = Conc. ÷ Area (vs) ; Actual Std. Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

Standard: BTEX
Concentration: 5 Tedlar or Glass Bulb
Inj. volume: 0.25 ML of 20ppm Std
Analysis #: 18
Time: 1343

Comments:

Analyte:	Actual Std. Conc.(ppmV)	x	Injection Vol.(ml)	=	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Benzene	19.72		.25		4.93	6.4	46.7	0.77	
Toluene	19.48		.25		4.87	10.7	120.5	0.45	
Ethylbenzene	19.10		.25		4.77	5.7	297.3	0.84	
O–Xylenes	18.90		.25		4.73	} 20.7	} 323.9	0.23	
M–Xylenes	19.0		.25		4.75				
P–Xylenes	18.6		.25		4.65	8.2	392.2		

Notes: RF = Conc. ÷ Area (vs) ; Actual Std. Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

VOLUME

SOIL GAS CALIBRATION DATA FOR ~~MIXED~~ BTEX STANDARDS

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/7/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD - 64D		Operator: Kerry Smith

Standard: BTEX
Concentration: 2 — Tedlar or Glass Bulb
Inj. volume: 0.1 ML of 20 ppm Std
Analysis #: 21
Time: 1410

Comments:

Analyte:	Actual Std. Conc.(ppmV) x	Injection Vol.(ml) =	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Benzene	19.72	0.1	1.97	2.9	52.0	0.68	
Toluene	19.48	0.1	1.95	4.8	143.3	0.41	
Ethylbenzene	19.10	0.1	1.91	3.5	353.9	0.55	
O–Xylenes	18.9	0.1	1.89	8.4	386.6	0.23	
M–Xylenes	19.0	0.1	1.90				
P–Xylenes	18.6	0.1	1.86	2.5	466.0	0.74	

Notes: RF = Conc. ÷ Area (vs) ; Actual Std. Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

Standard: BTEX
Concentration: 1 — Tedlar or Glass Bulb
Inj. volume: 0.05 ML of 20 ppm Std.
Analysis #: 22
Time: 1420

Comments:

Analyte:	Actual Std. Conc.(ppmV) x	Injection Vol.(ml) =	Normalized Conc.(ppmV)	Area (vs)	Retention Time (sec.)	Response Factor	Delta RF
Benzene	19.72	0.05	0.99	1.8	53.4	0.55	
Toluene	19.48	0.05	0.97	2.6	149.3	0.37	
Ethylbenzene	19.10	0.05	0.95	2.1	368.4	0.45	
O–Xylenes	18.9	0.05	0.95	4.6	402.0	.21	
M–Xylenes	19.0	0.05	0.95				
P–Xylenes	18.6	0.05	0.93	1.3	483.3	0.72	

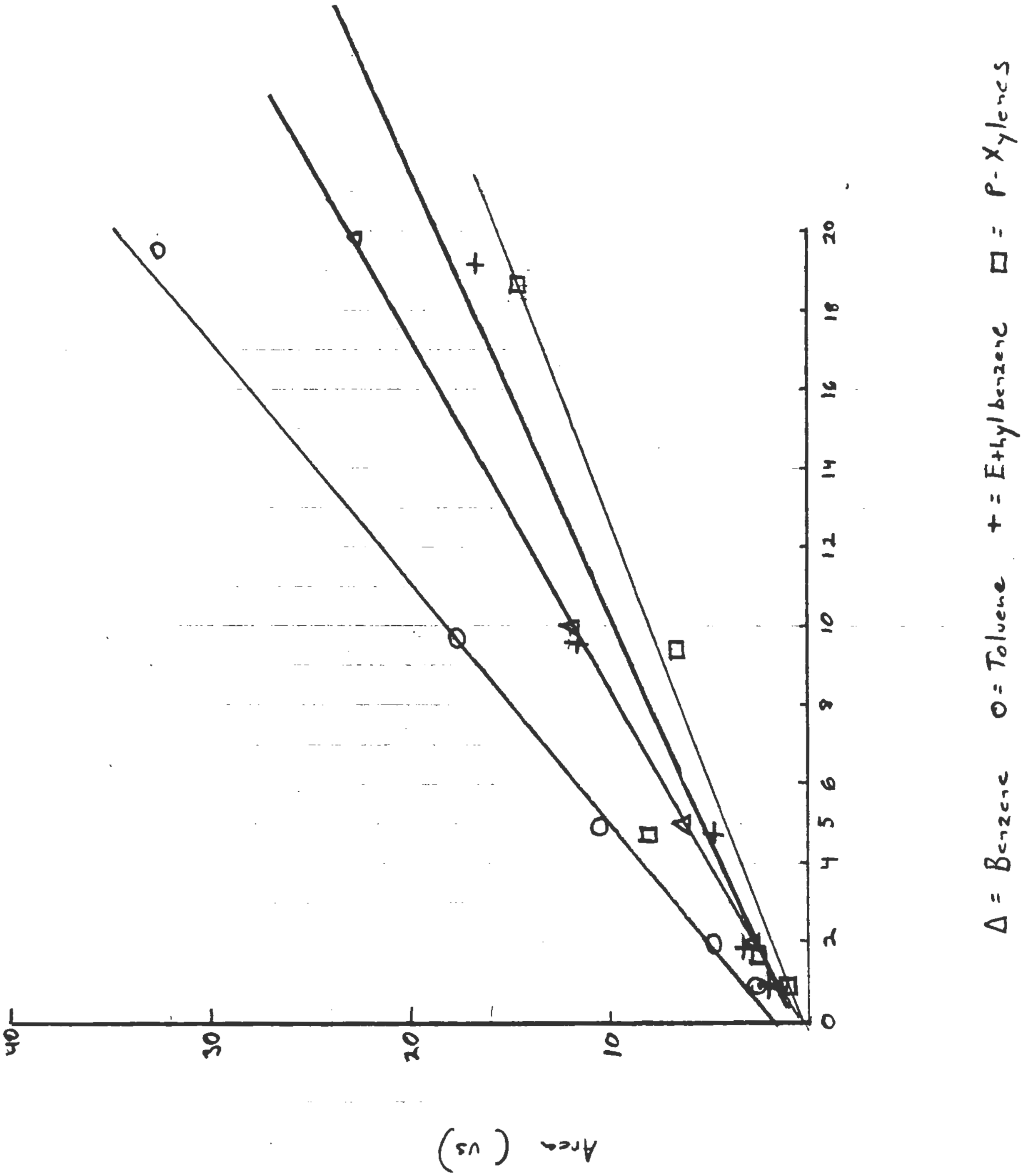
Notes: RF = Conc. ÷ Area (vs) ; Actual Std. Conc. is to be obtained from analysis of gas standard ; Conc. normalized to 1 ml injection.

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE   JOB NO.: ___   SHEET: 12 OF 14

SUBJECT: Calibration Curve (Volumetric)   BY: KKJ   DATE: 6/7/94

BTEX   CKD.: ___   REVISION: ___



PARSONS MAIN, INC. PARSONS

CLIENT

SUBJECT

JOB NO.

BY

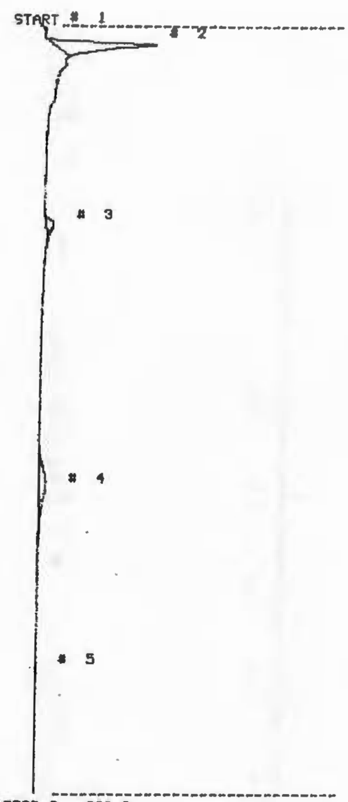
CKD.

SHEET 13 OF 14

DATE 6/7/94

REVISION

PHOTOVAC

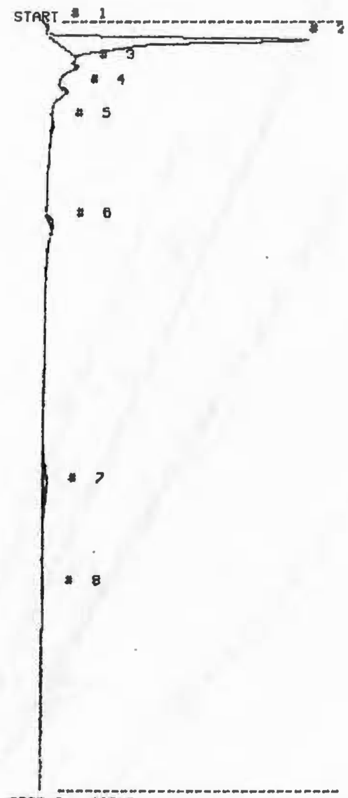


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 7 94 16:50
ANALYSIS # 25 SGL53-1
INTERNAL TEMP 32 1.0 ML INJ
GAIN 5 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.8	1.8 VS
UNKNOWN	3	158.9	241.3 mVS
UNKNOWN	4	364.2	721.9 mVS

SGL 53-1

PHOTOVAC

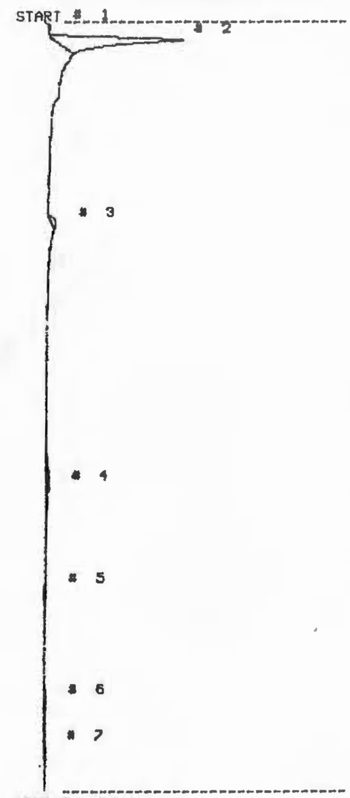


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 7 94 17: 2
ANALYSIS # 26 SGL53-3
INTERNAL TEMP 32 1.0 ML INJ
GAIN 5 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.5	4.8 VS
UNKNOWN	7	366.3	404.6 mVS

SGL 53-3

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 7 94 17:14
ANALYSIS # 27 SGL53-2
INTERNAL TEMP 32 1.0 ML INJ
GAIN 5 SYR D

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.7	2.2 VS
UNKNOWN	4	363.5	273.1 mVS

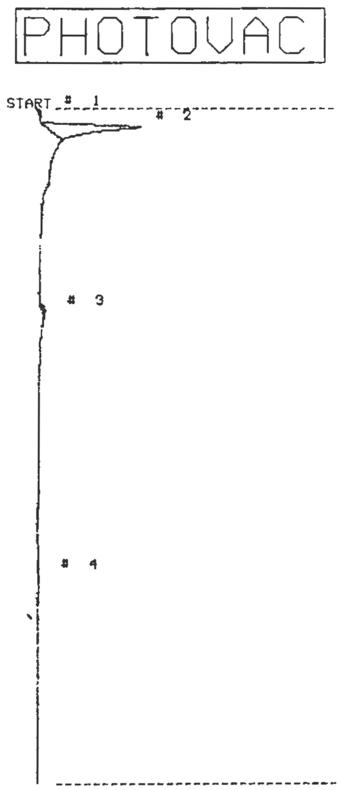
SGL 53-2

PARSONS MAIN, INC. PARSONS

CLIENT ______ JOB NO. ______ SHEET 14 OF 14

SUBJECT ______ BY ______ DATE 6/7/94

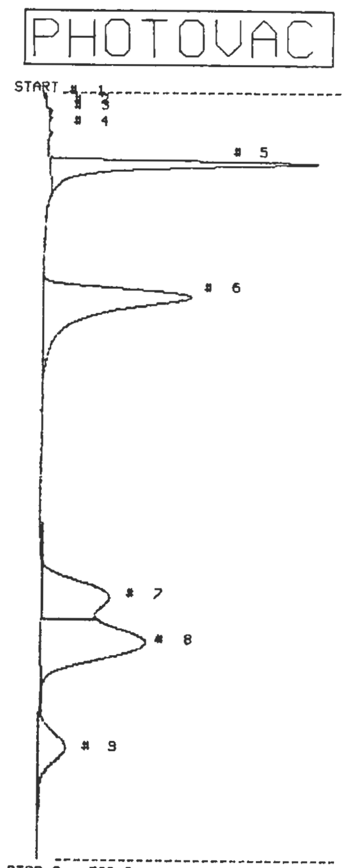
CKD. ______ REVISION ______



STOP @ 527.7
SAMPLE LIBRARY 1 JUN 7 94 17:25
ANALYSIS # 28 AMB AIR BLK
INTERNAL TEMP 32 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.4	1.6	VS

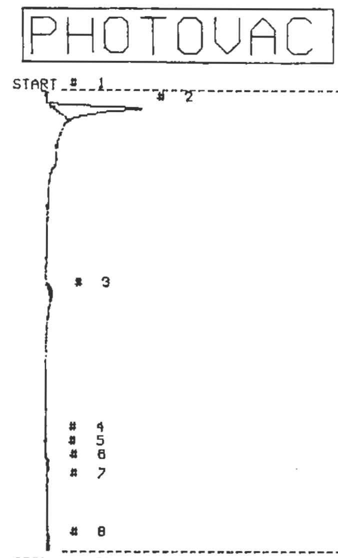
Syr. N Blank



STOP @ 598.9
SAMPLE LIBRARY 1 JUN 7 94 17:36
ANALYSIS # 29 20 PPM BTEX
INTERNAL TEMP 33 0.25 ML INJ
GAIN 5 SYR N

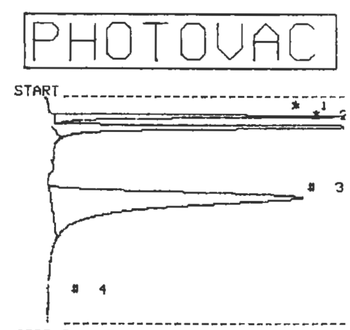
COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	5	56.4	6.1	VS
UNKNOWN	6	182.2	9.6	VS
UNKNOWN	7	400.6	6.3	VS
UNKNOWN	8	436.4	10.3	VS
UNKNOWN	9	520.2	2.1	VS

5ppm Std
BTEX



STOP @ 359.8
SAMPLE LIBRARY 1 JUN 7 94 17:43
ANALYSIS # 30 AMB AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.7	1.4	VS



STOP @ 177.3
SAMPLE LIBRARY 1 JUN 7 94 17:47
ANALYSIS # 31 20 PPM CHLOR STD
INTERNAL TEMP 34 0.25 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	1	16.3	2.5	VS
UNKNOWN	2	24.6	3.8	VS
UNKNOWN	3	81.3	10.4	VS

5 ppm Std
Chlor.

End of Day

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE
JOB NO.:
SHEET 1 OF 16
SUBJECT:
BY: KKS
DATE: 6/8/94
CKD.:
REVISION:

PHOTOVAC

JUN 8 94 7:27

FIELD: 30
POWER: 36

SAMPLE	8.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

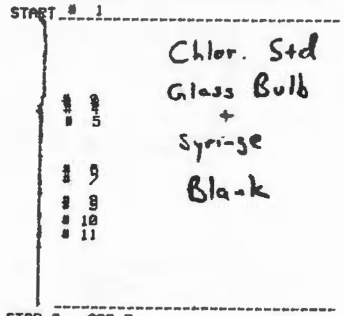
OFFSET	0.0	mV
CHART SPEED	1	cM/Min
SLOPE SENS.	5 10 4	mV/Sec
WINDOW +/-	1	Percent
MINIMUM AREA	100	mVSec
TIMER DELAY	10.0	Sec
ANALYSIS TIME	600.0	Sec
CYCLE TIME	0	Min

COMPOUND NAME PEAK R.T. AREA/PPM

Set up

PHOTOVAC

START # 1



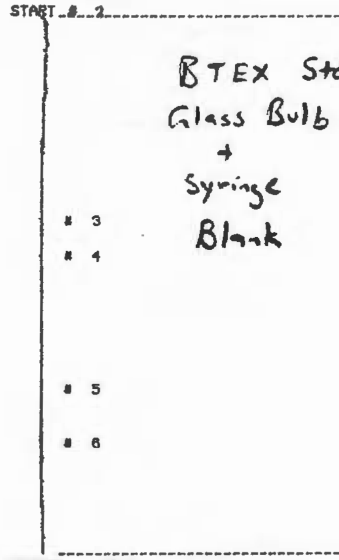
Chlor. Std
Glass Bulb
+
Syringe
Blank

STOP @ 223.7
SAMPLE LIBRARY 1 JUN 8 94 7:50
ANALYSIS # 1 STD BLK CHLOR
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR Q

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 2

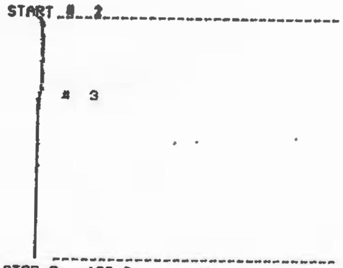


BTEX Std.
Glass Bulb
+
Syringe
Blank

STOP @ 417.9
SAMPLE LIBRARY 1 JUN 8 94 7:59
ANALYSIS # 2 STD BLK - BTEX
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR P

PHOTOVAC

START # 2



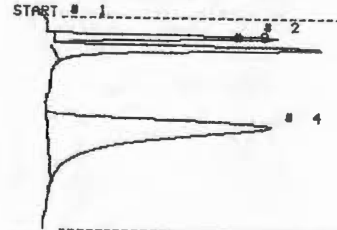
STOP @ 188.3
SAMPLE LIBRARY 1 JUN 8 94 8: 8
ANALYSIS # 3 Z - AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Syr N Blk

PHOTOVAC

START # 1



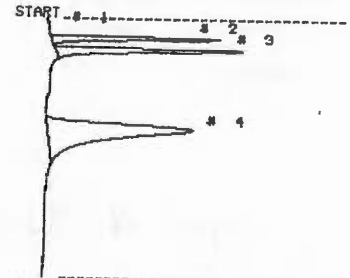
STOP @ 165.7
SAMPLE LIBRARY 1 JUN 8 94 8:12
ANALYSIS # 4 5 PPM STD CHLOR
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.7	3.1	US
UNKNOWN	3	25.4	4.6	US
UNKNOWN	4	87.3	12.3	US

5 ppm Std.
Chlor.

PHOTOVAC

START # 1



STOP @ 202.7
SAMPLE LIBRARY 1 JUN 8 94 8:16
ANALYSIS # 5 5 PPM STD CHLOR
INTERNAL TEMP 34 0.4 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.7	1.3	US
UNKNOWN	3	25.6	2.0	US
UNKNOWN	4	88.3	5.7	US

2 ppm Std
Chlor.

SOIL GAS CALIBRATION RESPONSE FACTORS: CHLORINATED

ENGINEERING–SCIENCE | CLIENT: ACOE | DATE: 6/8/94

PROJECT: SEAD - 15 SWMU

LOCATION: SEAD - 64 D

Operator: Kerry Smith

Instrument Specs:

Type of GC: Photovac 10S50
Column Type: CPSil
Col. Temp. (°C): 30° ± 5
Chart Speed: 1 cm/min
Gain: 5
Sensitivity:
Gas Flow Rate: 7
Tank Pressure: 1500

Chlorinated Calibration Gas Specifications

Manfacturer: Scott Lot#:
Concentration (ppmV): 100
Concentration: (ppmV) Vinyl Chloride 99.6
1,1–dichloroethene 98.4
Trichloroethene 102.0

Analysis A
Inj. #: 4

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF			
VC	16.7	5.1	3.1	1.64			
1,1–DCE	25.4	4.98	4.6	1.08			
TCE	87.3	4.92	12.3	0.40			

Comments: 5 ppm Std
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 5

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
VC	16.7	2.04	1.3	1.57	0.01		
1,1–DCE	25.6	1.99	2.0	0.99	0.02		
TCE	88.3	1.97	5.7	0.35	0.03		

Comments: 2 ppm Std
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

VC = 1.64 - 1.57 / 1.64 + 1.57 / 2 or .07/3.21/2 = 0.01
DCE = 1.08 - 0.99 / 1.08 + 0.99 / 2 or .09/2.07/2 = 0.021
TCE = .05/.75/2 = 0.03

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
VC							
1,1–DCE							
TCE							

Comments:
Concentration is normalized to 1 ml.

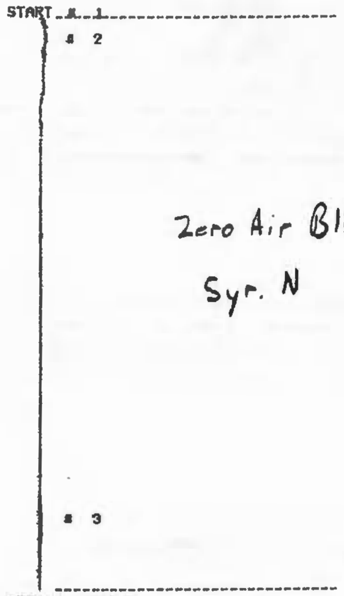
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ______ SHEET 3 OF 16

SUBJECT ______ BY KKS DATE 6/8/94

CKD. ______ REVISION ______

PHOTOVAC



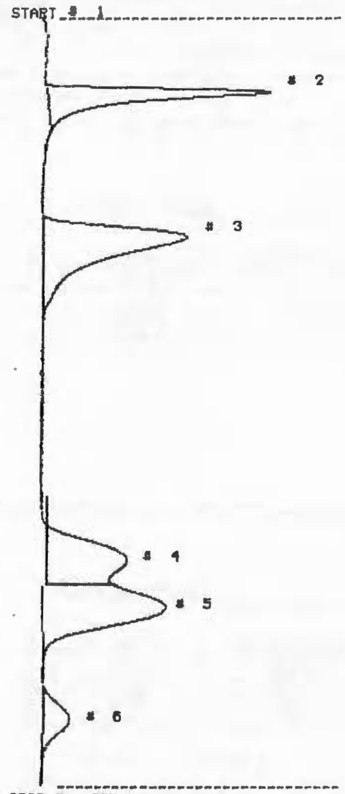
Zero Air Blk

Syr. N

STOP @ 448.5
SAMPLE LIBRARY 1 JUN 8 94 8:27
ANALYSIS # 6 Z-AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	402.7	152.3 mVS

PHOTOVAC

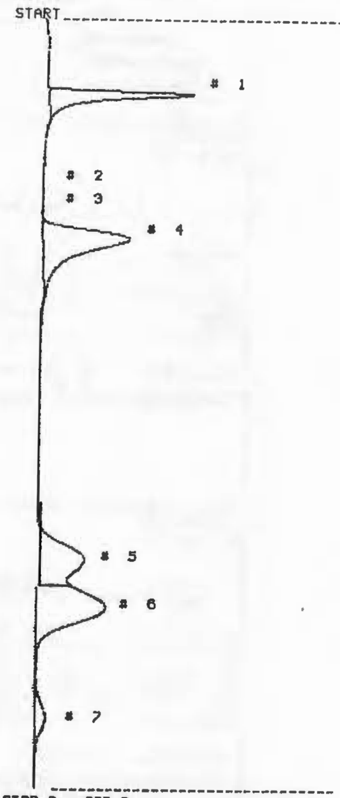


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 9: 0
ANALYSIS # 9 5.0 PPM STD BTEX
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	58.8	7.6 VS
UNKNOWN	3	173.0	12.2 VS
UNKNOWN	4	430.0	8.4 VS
UNKNOWN	5	466.8	12.5 VS
UNKNOWN	6	556.1	2.4 VS

5 ppm BTEX Std

PHOTOVAC

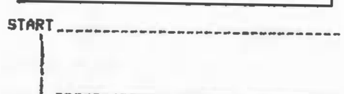


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 9:12
ANALYSIS # 10 5.0 PPM STD BTEX
INTERNAL TEMP 33 0.4 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	59.0	3.4 VS
UNKNOWN	4	173.3	5.4 VS
UNKNOWN	5	428.4	4.1 VS
UNKNOWN	6	465.2	6.4 VS
UNKNOWN	7	554.1	850.5 mVS

2 ppm BTEX Std

PHOTOVAC



STOP @ 50.0
SAMPLE LIBRARY 1 JUN 8 94 8:29
ANALYSIS # 7 Z-AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Bad Inj.

SOIL GAS CALIBRATION RESPONSE FACTORS: BTEX

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/8/94
PROJECT: SEAD - 15 SWMU LOCATION: 64D		Operator: Kerry Smith

Instrument Specs:		BTEX Calibration Gas Specifications	
Type of GC:	Photovac 10S50	Manfacturer: Cagan	Lot#:
Column Type:	CPSil-5	Concentration (ppmV):	100 ppm
Col. Temp. (°C):	30° ± 5	Concentration: (ppmV) Benzene	98.6
Chart Speed:	1 cm/min	Toluene	97.4
Gain:	5	Ethylbenzene	95.5
Sensitivity:	5/10/4 mv/sec	O–Xylene	94.5
Gas Flow Rate:	7	M–Xylene	95.0
Tank Pressure:	1500	P–Xylene	93.0

Analysis A
Inj. #:

A 1 ml injection of a 5 ppmV standard.

1=5ppm

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF			
Benzene	58.8	4.93	7.6	.65			
Toluene	173.0	4.87	12.2	.40			
Ethylbenzene	430.0	4.77	8.4	.57			
O–Xylene	466.8	4.73	12.4				
M–Xylene		4.75					
P–Xylene	556.1	4.65	2.4	1.94			

Comments: 5 ppm Std
Concentration is normalized to 1 ml.

Analysis B
Inj. #:

A 0.4 ml injection of a 5 ppmV standard.

.4 = 2ppm

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene	59.0	1.97	3.4	.58	.028		
Toluene	173.3	1.95	5.4	.36	.026		
Ethylbenzene	428.4	1.91	4.1	.47	.048		
O–Xylene	} 465.2	1.89	} 6.4				
M–Xylene		1.90					
P–Xylene	554.1	1.86	.85	2.19	-.030		

Comments: 2 ppm Std
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

B = .07/1.23/2
T = .04/.76/2
E = 0.1/1.04/2
P = -.25/4.13/2

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene							
Toluene							
Ethylbenzene							
O–Xylene							
M–Xylene							
P–Xylene							

Comments:
Concentration is normalized to 1 ml.

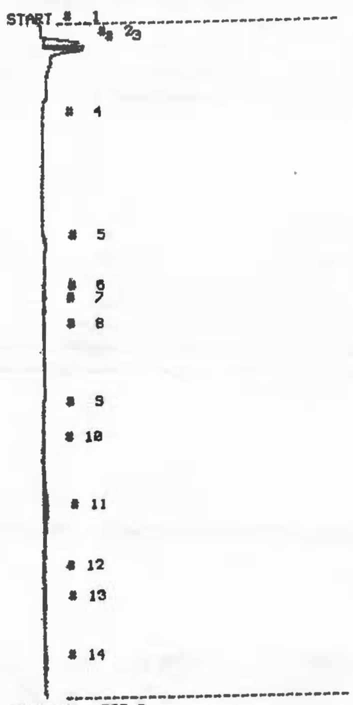
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE　　JOB NO. ______　　SHEET 5 OF 16

SUBJECT: ______　　BY KKS　　DATE 6/8/94

CKD. ______　　REVISION ______

PHOTOVAC

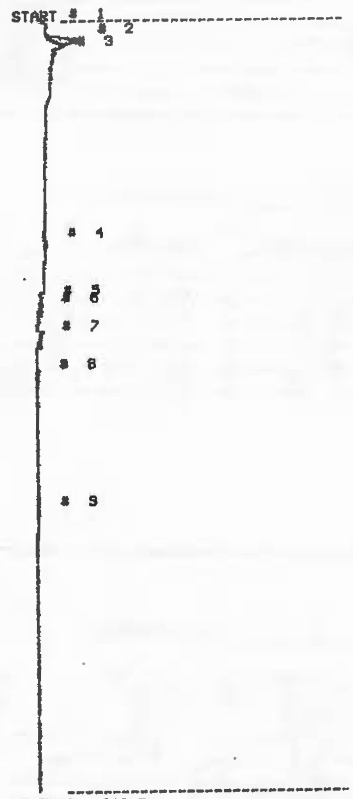


STOP @ 527.8
SAMPLE LIBRARY 1 JUN 8 94 9:34
ANALYSIS # 11 ROD BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	481.0 mVS
UNKNOWN	3	19.8	164.8 mVS
UNKNOWN	11	305.9	378.9 mVS

Rod Blank

PHOTOVAC

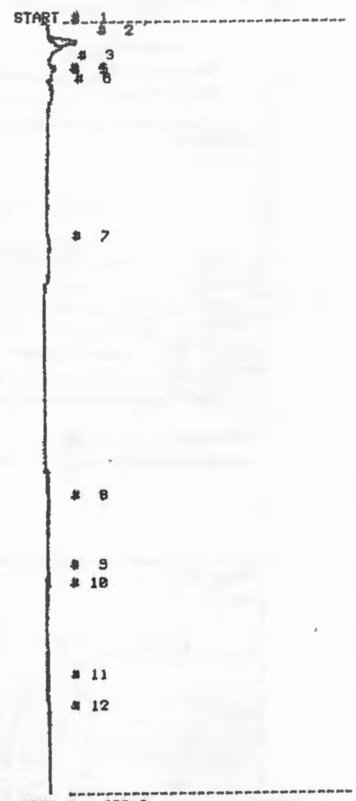


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 9:45
ANALYSIS # 12 AMB AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR D

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	245.9 mVS

Syr. D Blk.

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 9:57
ANALYSIS # 13 AMB AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	269.1 mVS
UNKNOWN	8	377.5	182.8 mVS

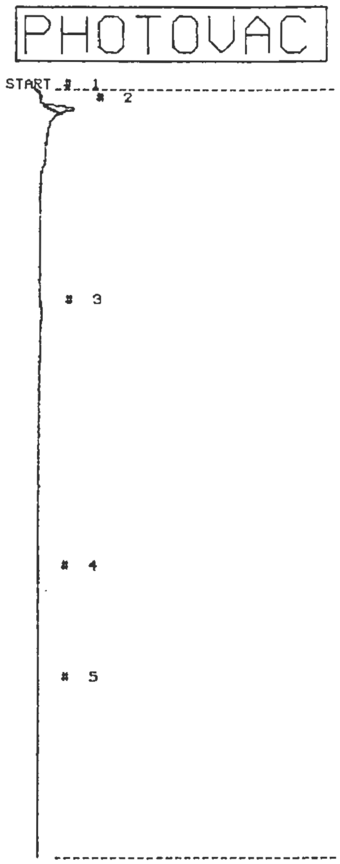
Syr. F Blk.

PARSONS MAIN, INC. PARSONS

CLIENT: ACOE JOB NO.: SHEET 6 OF 16

SUBJECT: BY: KKS DATE: 6/8/94

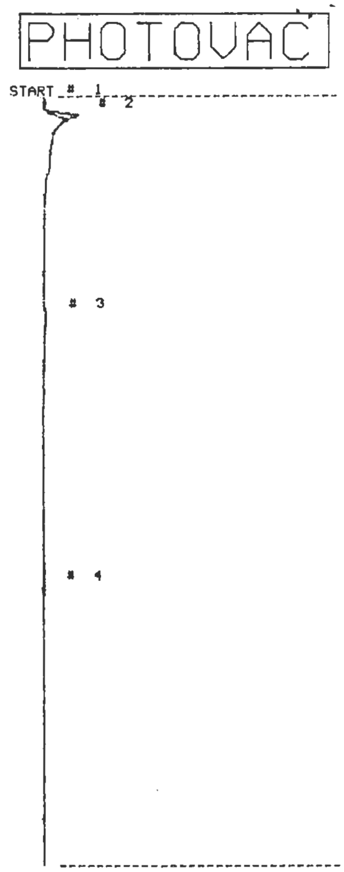
CKD.: REVISION:



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 10: 8
ANALYSIS # 14 AMB AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	248.4 mVS

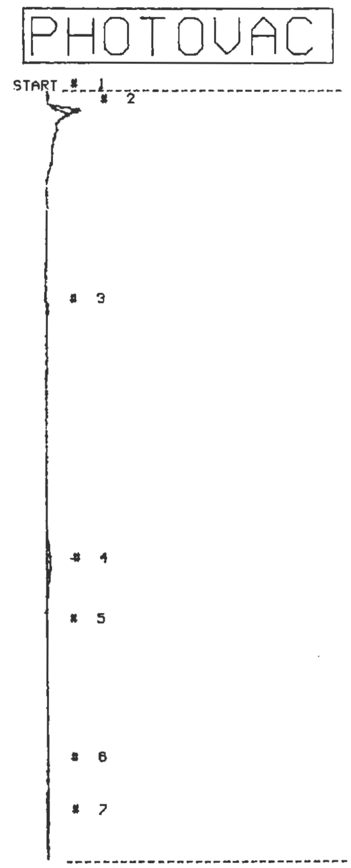
Syr E Blk



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 10:22
ANALYSIS # 15 AMB AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	229.8 mVS

Syr J Blk



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 10:36
ANALYSIS # 16 SGL53-4
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	213.8 mVS
UNKNOWN	4	373.3	366.6 mVS

SGL53-4

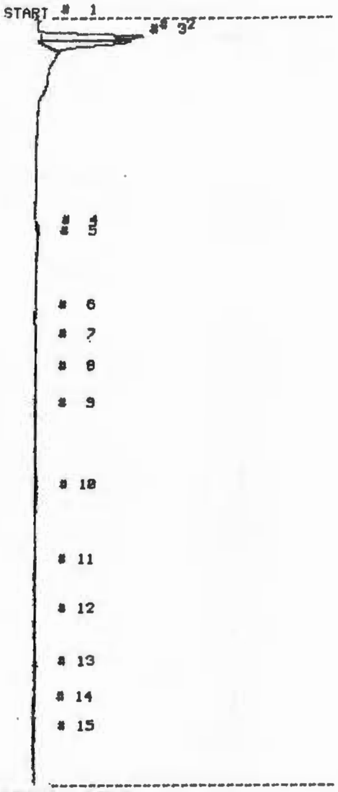
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. SHEET 7 OF 16

SUBJECT BY KKS DATE 6/8/94

CKD. REVISION

PHOTOVAC

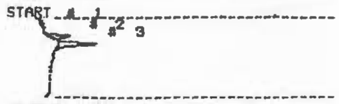


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 10:55
ANALYSIS # 17 SGL53-5
INTERNAL TEMP 34 ~~1.0 ML~~ KKS 0.8 ML
GAIN 5 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	1.3 VS
UNKNOWN	3	19.6	1.2 VS
UNKNOWN	10	376.1	123.7 mVS

SGL 53-5
partial Injection (.8 ML)

PHOTOVAC

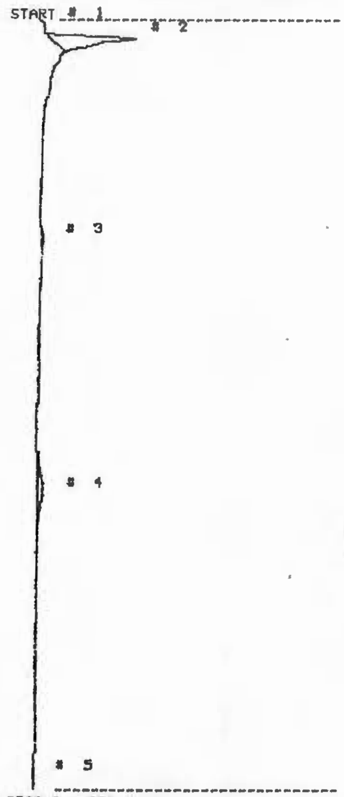


STOP @ 63.1
SAMPLE LIBRARY 1 JUN 8 94 11: 4
ANALYSIS # 18 SGL53-5
INTERNAL TEMP 35 ~~1.0 ML~~ KKS 0.2 ML
GAIN 10 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	125.9 mVS
UNKNOWN	3	21.5	282.6 mVS

SGL 53-5
balance of Sample (.2 ML)
note gain at 10

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 11:15
ANALYSIS # 19 SGL53-6
INTERNAL TEMP 34 1.0 ML
GAIN 5 STR 8

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.8	1.6 VS
UNKNOWN	4	371.2	670.6 mVS

SGL 53-6

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ______ SHEET 8 OF 16

SUBJECT ______ BY KKS DATE 6/8/94

______ CKD. ______ REVISION ______

PHOTOVAC

START # 1

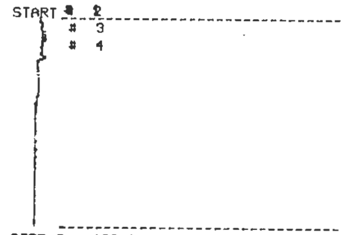
STOP @ 9.7
SAMPLE LIBRARY 1 JUN 8 94 11:18
ANALYSIS # 20 SGL53-6
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR @

COMPOUND NAME PEAK R.T. AREA/PPM

Syr. Plugged - replaced Septum

PHOTOVAC

START



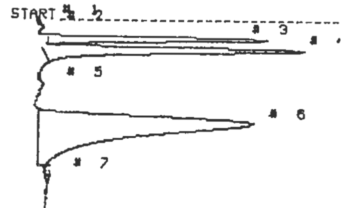
STOP @ 162.0
SAMPLE LIBRARY 1 JUN 8 94 11:23
ANALYSIS # 21 Z-AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

pre-std.
syr. Blk.

PHOTOVAC

START



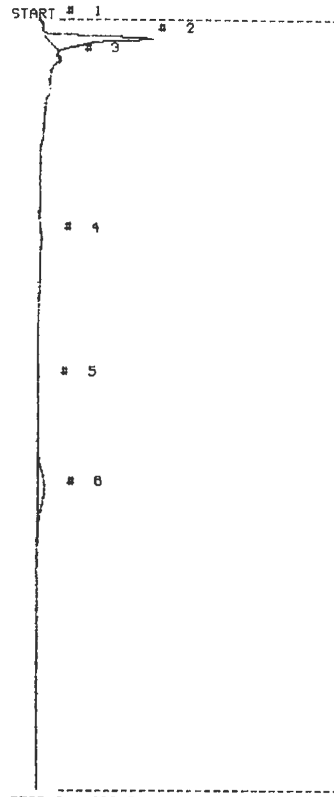
STOP @ 150.7
SAMPLE LIBRARY 1 JUN 8 94 11:26
ANALYSIS # 22 5 PPM CHLOR STD
INTERNAL TEMP 36 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	16.7	3.0	VS
UNKNOWN	4	25.0	4.4	VS
UNKNOWN	6	82.7	12.2	VS

5 ppm Chlor. Std.

PHOTOVAC

START



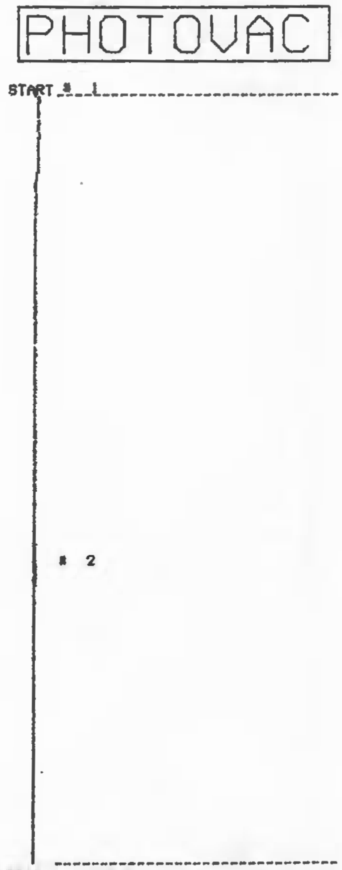
STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 11:49
ANALYSIS # 23 SGL53-7
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR L

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.3	1.7	VS
UNKNOWN	6	369.8	702.1	mVS

SGL53-7

PARSONS MAIN, INC. PARSONS

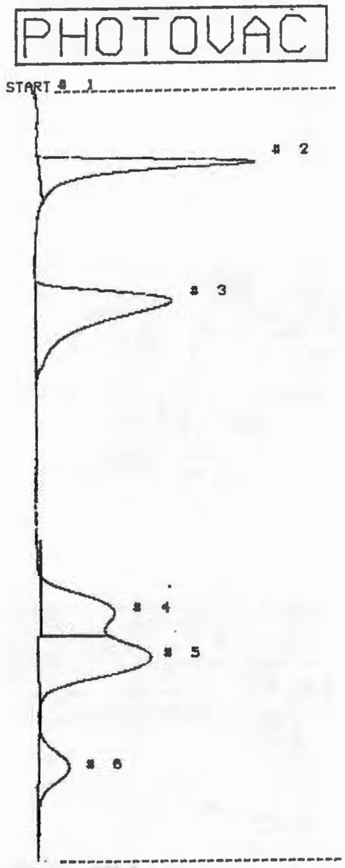
CLIENT: ACOE
SUBJECT:
JOB NO.
BY: KKS
CKD.
SHEET 9 OF 16
DATE 6/8/94
REVISION



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 12: 2
ANALYSIS # 24 Z-AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

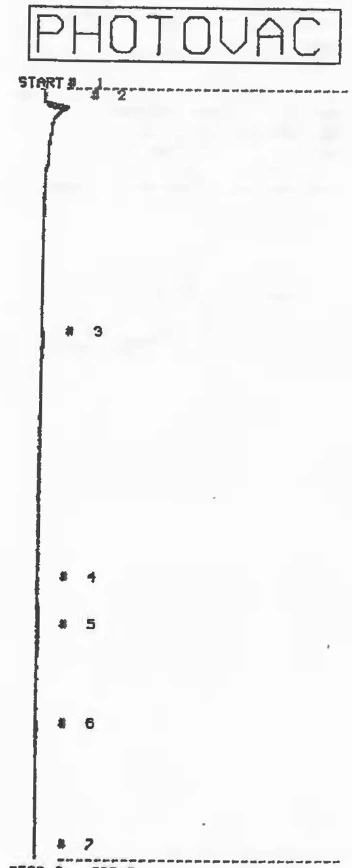
Zero Air Blk.



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 12:12
ANALYSIS # 25 5.0 PPM BTEX STD
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	57.5	7.2	US
UNKNOWN	3	166.7	11.5	US
UNKNOWN	4	413.2	7.5	US
UNKNOWN	5	449.2	11.7	US
UNKNOWN	6	535.5	2.6	US

5 ppm BTEX Std.



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 13:59
ANALYSIS # 26 AMB AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 5 SYR I

COMPOUND NAME PEAK R.T. AREA/PPM

Syr. I Blk.

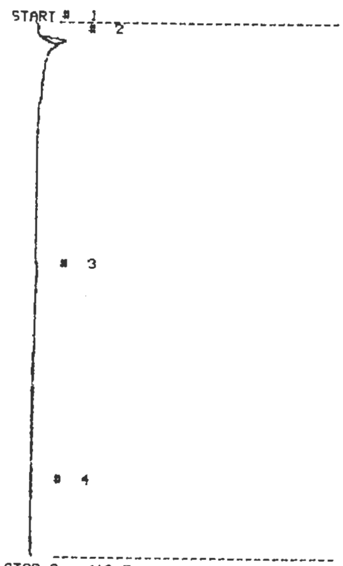
PARSONS MAIN, INC. PARSONS

CLIENT: Acoe
JOB NO.
SHEET 10 OF 16

SUBJECT:
BY: KKS
DATE: 6/8/94

CKD.
REVISION

PHOTOVAC

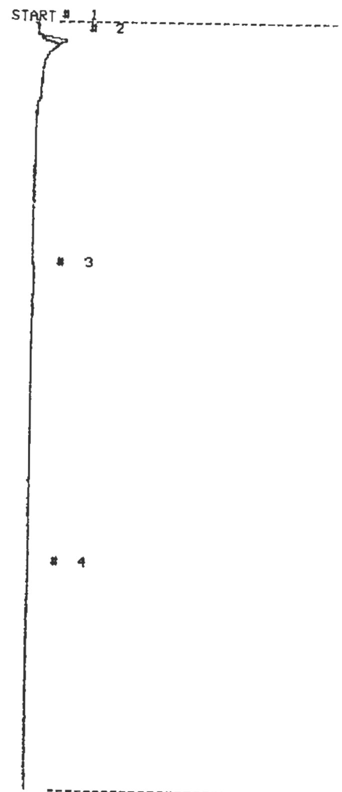


STOP @ 419.5
SAMPLE LIBRARY 1 JUN 8 94 14:19
ANALYSIS # 27 AMB AIR BLK
INTERNAL TEMP 31 1.0 ML
GAIN 5 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	187.7 mVS

Syr. H Blk.

PHOTOVAC

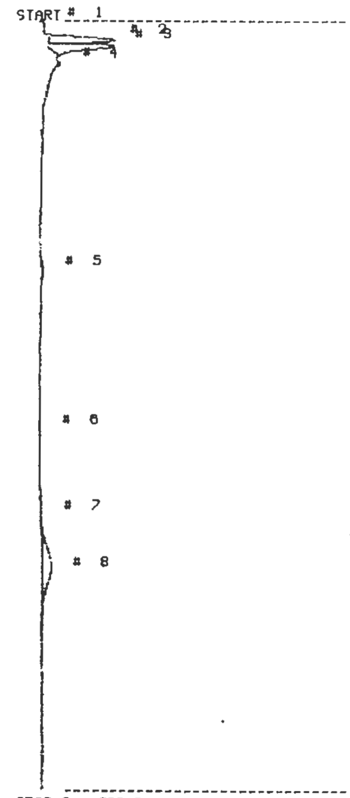


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 14:29
ANALYSIS # 28 AMB AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 5 SYR G

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	182.2 mVS

Syr. G Blk.

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 16:0
ANALYSIS # 29 SGL49-8
INTERNAL TEMP 30 1.0 ML
GAIN 5 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	969.9 mVS
UNKNOWN	3	20.3	1.0 VS
UNKNOWN	8	432.4	1.1 VS

SGL49-8

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ______ SHEET 11 OF 16

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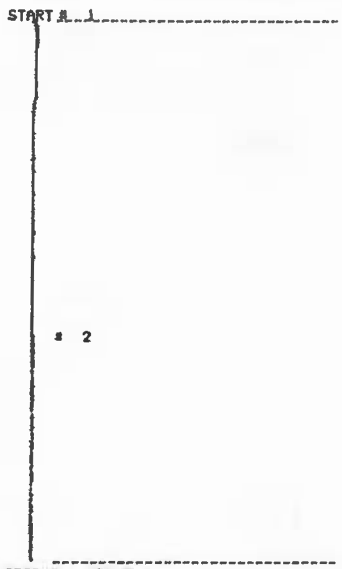
PHOTOVAC

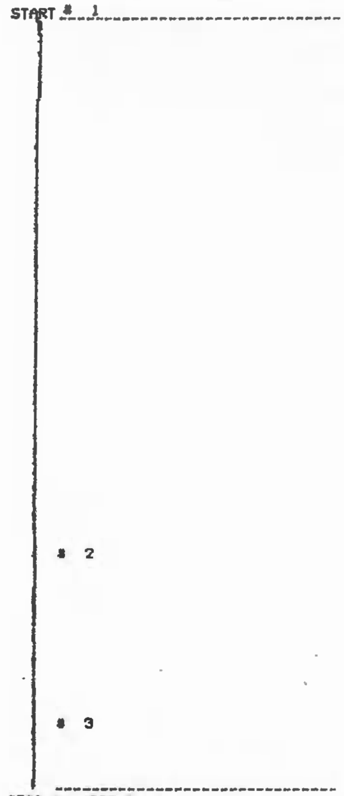



```
STOP @   423.3
SAMPLE LIBRARY 1   JUN  8   94  16: 8
ANALYSIS #     30   Z-AIR BLK
INTERNAL TEMP 31    1.0 ML
GAIN            5   SYR J

COMPOUND NAME    PEAK  R.T.  AREA/PPM
```

Syr. J Blk.

PHOTOVAC

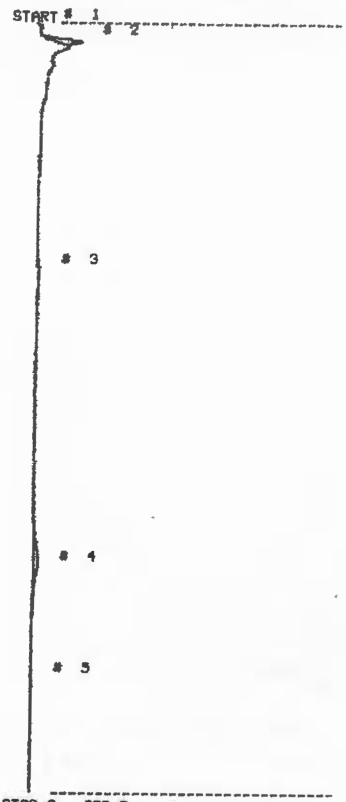



```
STOP @   600.0
SAMPLE LIBRARY 1   JUN  8   94  16:19
ANALYSIS #     31   Z-AIR BLK
INTERNAL TEMP 31    1.0 ML
GAIN            5   SYR L

COMPOUND NAME    PEAK  R.T.  AREA/PPM
```

Syr. L Blk.

PHOTOVAC




```
STOP @   600.0
SAMPLE LIBRARY 1   JUN  8   94  16:31
ANALYSIS #     32   SGL49-9
INTERNAL TEMP 32    1.0 ML
GAIN            5   SYR F

COMPOUND NAME    PEAK  R.T.  AREA/PPM

UNKNOWN            2    16.1 294.2 mUS
UNKNOWN            4   426.0 493.3 mUS
```

SGL49-9

PARSONS MAIN, INC. PARSONS

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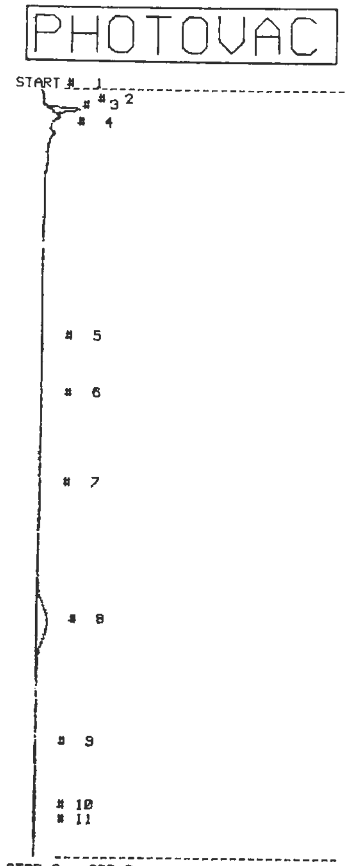
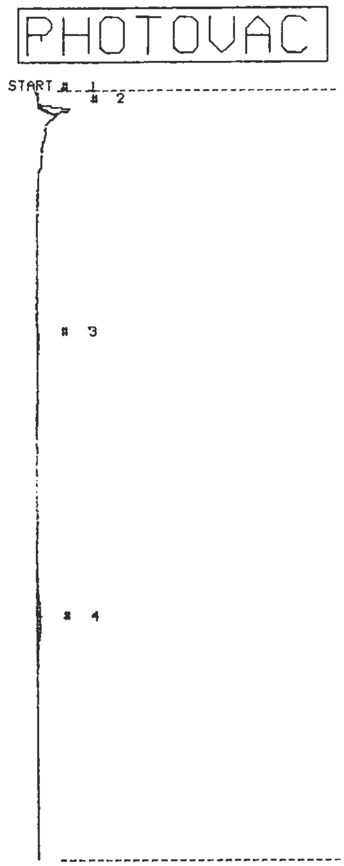


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 16:42
ANALYSIS # 33 SGL49 10
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	17.6	281.7 mVS
UNKNOWN	8	424.4	394.3 mVS

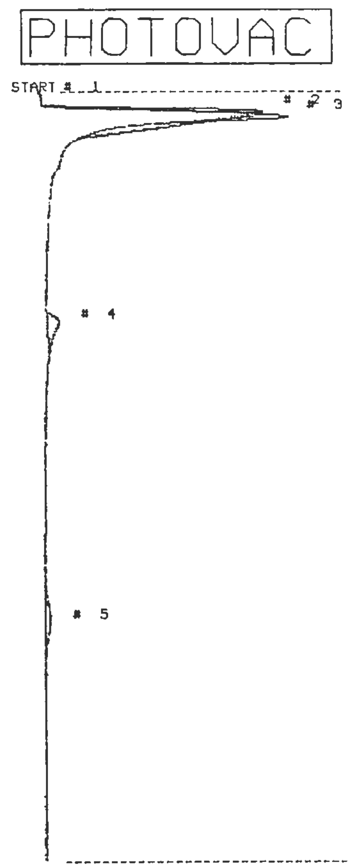
SGL 49-10



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 16:52
ANALYSIS # 34 SGL49-11
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR D

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	254.4 mVS
UNKNOWN	4	420.4	275.3 mVS

SGL 49-11



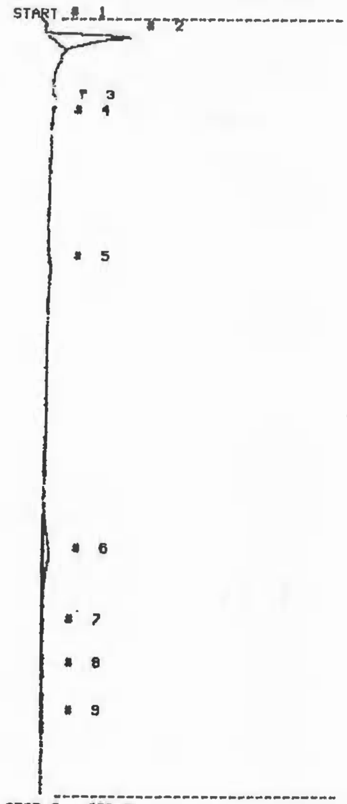
STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 17: 3
ANALYSIS # 35 SGL49-12
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.7	540.1 mVS
UNKNOWN	4	182.1	664.7 mVS
UNKNOWN	5	417.4	473.8 mVS

SGL 49-12

Inital peaks may be caused by loose fitting syringe plunger

PHOTOVAC

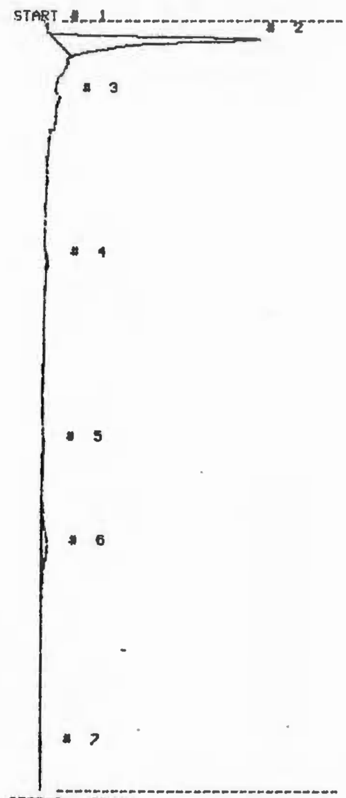


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 17:15
ANALYSIS # 36 SGL48-13
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	1.4 US
UNKNOWN	6	417.4	556.3 mVS

SGL49-13

PHOTOVAC

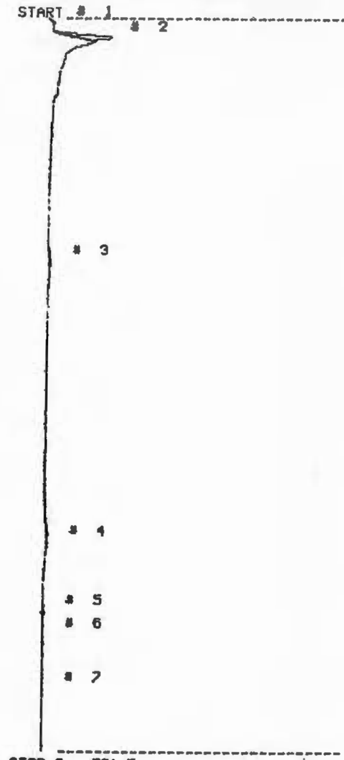


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 17:27
ANALYSIS # 37 SGL49-14
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	~~15.9~~	~~4.0 US~~
UNKNOWN	6	414.8	543.0 mVS

SGL49-14

PHOTOVAC



STOP @ 571.5
SAMPLE LIBRARY 1 JUN 8 94 17:37
ANALYSIS # 38 SGL49-15
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR G

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	384.7 mVS

SGL49-15

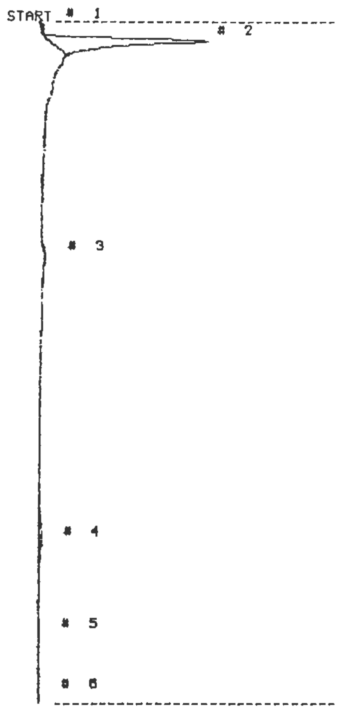
PARSONS MAIN, INC. PARSONS

CLIENT: ACOE JOB NO.: SHEET: 14 OF: 16

SUBJECT: BY: KKS DATE: 6/8/94

CKD.: REVISION:

PHOTOVAC

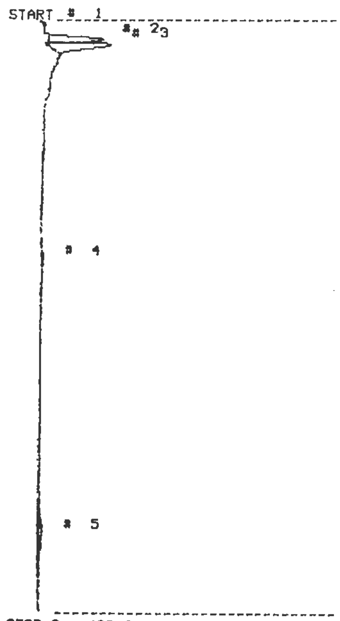


STOP @ 533.0
SAMPLE LIBRARY 1 JUN 8 94 17:46
ANALYSIS # 39 SGL45-16
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	3.0 US
UNKNOWN	4	409.7	286.7 mUS

SGL45-16

PHOTOVAC

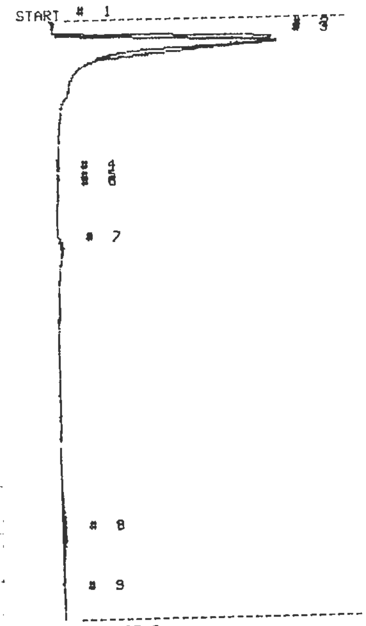


STOP @ 463.2
SAMPLE LIBRARY 1 JUN 8 94 17:54
ANALYSIS # 40 SGL45-17
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	793.8 mUS
UNKNOWN	3	20.2	1.0 US
UNKNOWN	5	404.1	267.6 mUS

SGL45-17

PHOTOVAC



STOP @ 467.2
SAMPLE LIBRARY 1 JUN 8 94 18:3
ANALYSIS # 41 SGL45-18
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	573.1 mUS
UNKNOWN	8	404.1	342.2 mUS

SGL45-18

Inital peaks may be caused by loose fitting syringe plunger. Injection felt like SGL49-12.

PARSONS MAIN, INC. **PARSONS**

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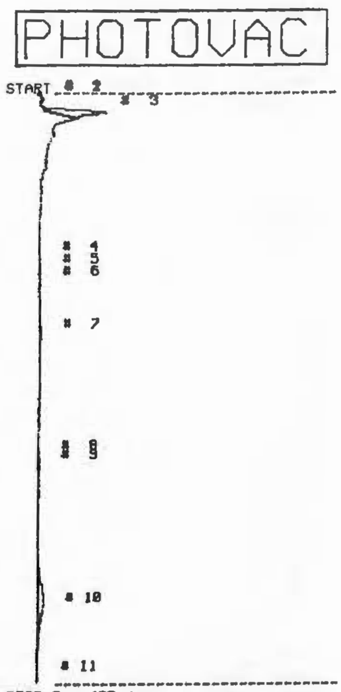
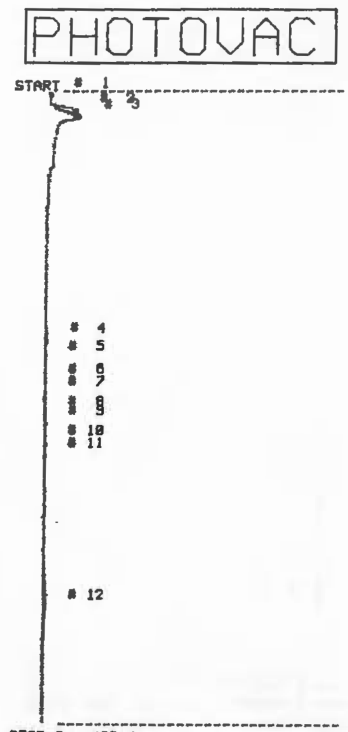


STOP @ 462.4
SAMPLE LIBRARY 1 JUN 8 94 18:11
ANALYSIS # 42 SGL45-19
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR L

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	16.1	500.3 mVS
UNKNOWN	10	404.6	510.6 mVS

SGL45-19



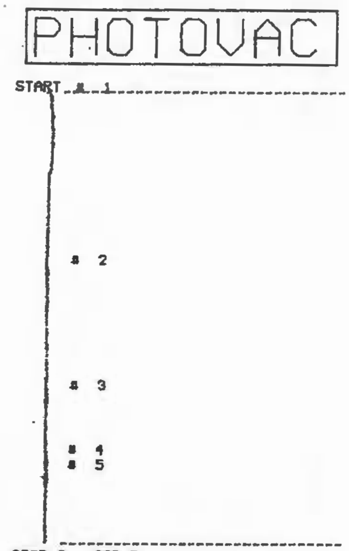
STOP @ 493.4
SAMPLE LIBRARY 1 JUN 8 94 18:20
ANALYSIS # 43 SGL45-20
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	149.2 mVS
UNKNOWN	12	402.7	139.6 mVS

SGL45-20

Syringe had loose fitting syringe plunger.

Replaced plunger



STOP @ 352.7
SAMPLE LIBRARY 1 JUN 8 94 18:27
ANALYSIS # 44 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM

Zero Air Blk for Std.

[redacted] MAIN, INC. PARSONS

[redacted] ACOE JOB NO. ____ SHEET 16 OF 16

SUBJECT ____ BY KKS DATE 6/8/94

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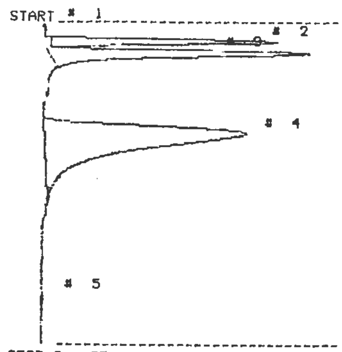
PHOTOVAC

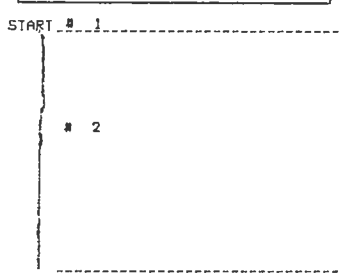


STOP @ 251.4
SAMPLE LIBRARY 1 JUN 8 94 18:32
ANALYSIS # 45 5 PPM CHLOR STD
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.6	3.3 VS
UNKNOWN	3	25.4	4.8 VS
UNKNOWN	4	87.7	12.7 VS

5 pp Chlor. Std.

PHOTOVAC

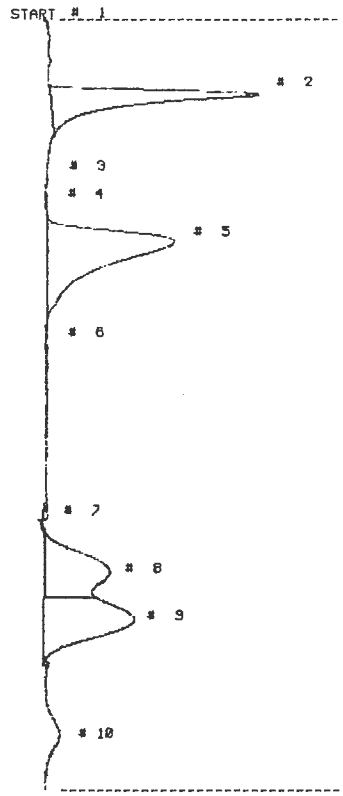


STOP @ 186.1
SAMPLE LIBRARY 1 JUN 8 94 18:38
ANALYSIS # 46 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Zero Air Blk

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 8 94 18:47
ANALYSIS # 47 5 PPM BTEX STD
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	59.2	8.1 VS
UNKNOWN	5	175.4	12.1 VS
UNKNOWN	7	392.9	101.5 mVS
UNKNOWN	8	437.2	6.8 VS
UNKNOWN	9	474.0	9.3 VS

End of Day

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ____ SHEET 1 OF 22

SUBJECT ____ BY KKS DATE 6/9/94

CKD. ____ REVISION ____

PHOTOVAC

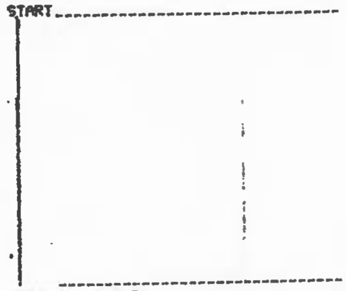
JUN 9 94 7:12

FIELD: 30
POWER: 35

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC

START



STOP @ 209.3
SAMPLE LIBRARY 1 JUN 9 94 7:34
ANALYSIS # 1 Z AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 2 SYR Q

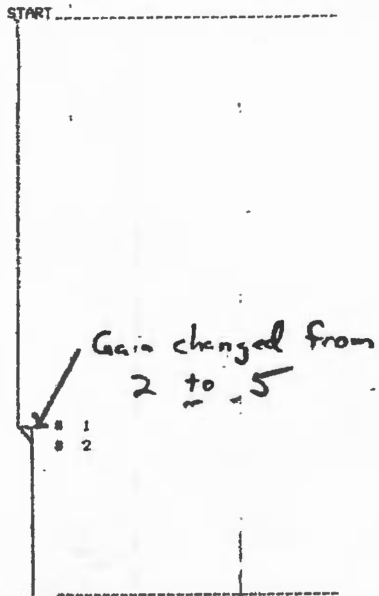
OFFSET	0.0 mV
CHART SPEED	1 cM/Min
SLOPE SENS.	5 10 4 mV/Sec
WINDOW +/-	1 Percent
MINIMUM AREA	100 mUSec
TIMER DELAY	10.0 Sec
ANALYSIS TIME	600.0 Sec
CYCLE TIME	0 Min

COMPOUND NAME PEAK R.T. AREA/PPM

Zero Air Blk. for
Chlor. Std. prep

PHOTOVAC

START



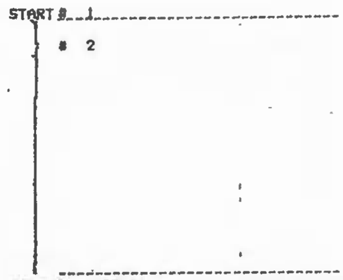
STOP @ 449.6
SAMPLE LIBRARY 1 JUN 9 94 7:45
ANALYSIS # 2 Z AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 5 SYR P

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	327.6	166.9 mVS

Zero Air Blk for
BTEX STD prep

PHOTOVAC

START # 1



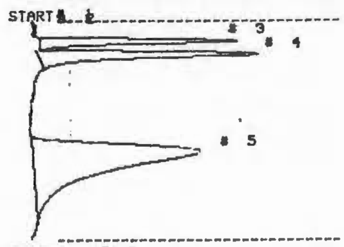
STOP @ 197.0
SAMPLE LIBRARY 1 JUN 9 94 7:53
ANALYSIS # 3 Z AIR BLK
INTERNAL TEMP 31 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Zero Air Blk for
5 + 2 ppm Std

PHOTOVAC

START # 1 2



STOP @ 171.5
SAMPLE LIBRARY 1 JUN 9 94 7:56
ANALYSIS # 4 5 PPM CHLOR STD
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	17.1	2.7 VS
UNKNOWN	~~4~~	27.2	4.0 VS
UNKNOWN	5	104.1	12.1 VS

5 ppm Chlor. Std

PARSONS MAIN, INC. **PARSONS**

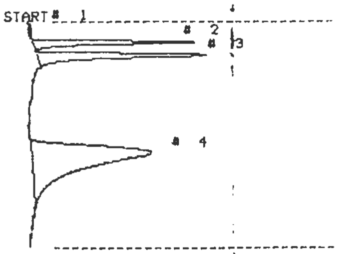
CLIENT ACOE JOB NO. SHEET 2 OF 22

BY PFM/KKS DATE 6/9/94

REVISION

PHOTOVAC

START # 1



STOP @ 177.5
SAMPLE LIBRARY 1 JUN 9 94 7:59
ANALYSIS # 5 5 PPM CHLOR STD
INTERNAL TEMP 33 0.5 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	17.0	1.5	VS
UNKNOWN	3	27.1	2.2	VS
UNKNOWN	4	104.5	7.1	VS

2.5 ppm Volume Chlor Std.
Re-do
Wrong Concentration

PHOTOVAC

START # 1

2

STOP @ 211.4
SAMPLE LIBRARY 1 JUN 9 94 8: 3
ANALYSIS # 6 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR B

COMPOUND NAME PEAK R.T. AREA/PPM

Z Air Blk
Syr. B

PHOTOVAC

START # 1

Z. Air Blk
Syr. H

STOP @ 129.6
SAMPLE LIBRARY 1 JUN 9 94 8: 6
ANALYSIS # 7 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR H

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START

STOP @ 167.7
SAMPLE LIBRARY 1 JUN 9 94 8: 9
ANALYSIS # 8 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR F

COMPOUND NAME PEAK R.T. AREA/PPM

Z. Air Blk
Syr. F

PHOTOVAC

START # 1
2

STOP @ 141.2
SAMPLE LIBRARY 1 JUN 9 94 8:12
ANALYSIS # 9 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR L

COMPOUND NAME PEAK R.T. AREA/PPM

Z. Air Blk
Syr. L

PHOTOVAC

START # 1

Z. Air Blk
Syr. G.

2

STOP @ 159.9
SAMPLE LIBRARY 1 JUN 9 94 8:15
ANALYSIS # 10 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR G

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 2

STOP @ 112.5
SAMPLE LIBRARY 1 JUN 9 94 8:17
ANALYSIS # 11 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 5 SYR C

COMPOUND NAME PEAK R.T. AREA/PPM

Z. Air Blk
Syr. C

PHOTOVAC

START

1

Z. Air Blk
Syr. D

STOP @ 216.2
SAMPLE LIBRARY 1 JUN 9 94 8:21
ANALYSIS # 12 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. SHEET 3 OF 22

SUBJECT BY KKS DATE 6/9/94

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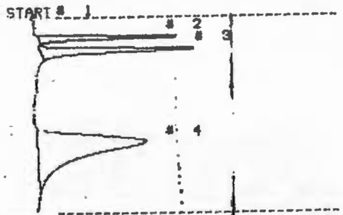
PHOTOVAC

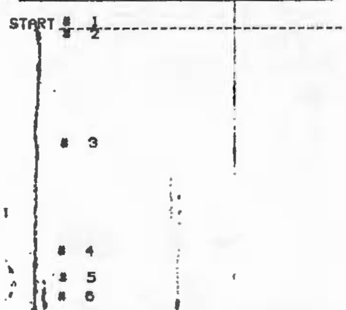


STOP @ 153.5
SAMPLE LIBRARY 1 JUN 9 94 8:29
ANALYSIS # 13 5 PPM CHLOR STD
INTERNAL TEMP 34 0.4 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.9	1.2	VS
UNKNOWN	3	26.6	~~1.0~~	~~VS~~
UNKNOWN	4	99.5	6.1	VS

2 ppm Volume
Chlor. Std

PHOTOVAC

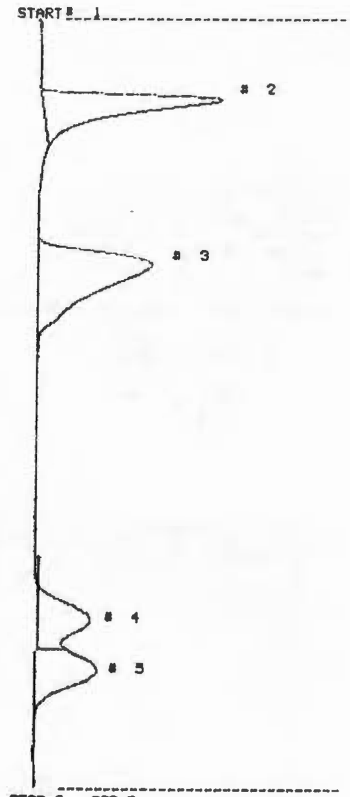


STOP @ 221.1
SAMPLE LIBRARY 1 JUN 9 94 8:33
ANALYSIS # 14 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Z. Air Blk. For
BTEX 5 + 2 ppm
Std

Replace Scroll Paper

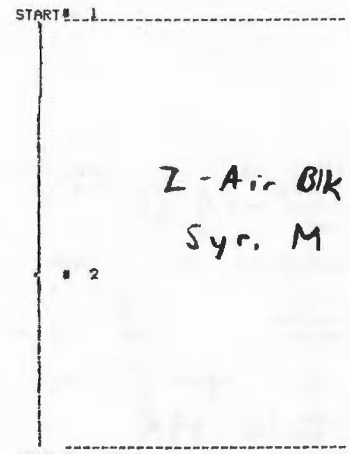


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 8:53
ANALYSIS # 15 5 PPM BTEX STD
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	64.7	9.0	VS
UNKNOWN	3	194.9	12.4	VS
UNKNOWN	4	476.4	5.3	VS
UNKNOWN	5	516.6	5.8	VS

5 ppm BTEX STD
note - lost P-Zylene Peak.
Oven not on, internal temp
doesn't reflect column oven
temp. Turned on oven and
will try again in 20 min.

PHOTOVAC

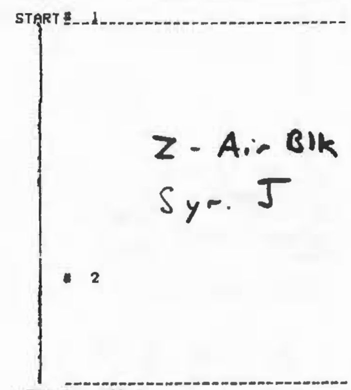


Z - Air Blk
Syr. M

STOP @ 334.6
SAMPLE LIBRARY 1 JUN 9 94 9:6
ANALYSIS # 16 Z AIR BLK
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR M

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



Z - Air Blk
Syr. J

STOP @ 280.5
SAMPLE LIBRARY 1 JUN 9 94 9:11
ANALYSIS # 17 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

SOIL GAS CALIBRATION RESPONSE FACTORS: CHLORINATED

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/9/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD 64D		Operator: Kerry Smith

Instrument Specs:

- Type of GC: Photovac 10S50
- Column Type: CPSil-5
- Col. Temp. (°C): 30° ± 5°
- Chart Speed: 1 cm/min
- Gain: 5
- Sensitivity: 5/10/4 mv/sec
- Gas Flow Rate: 7
- Tank Pressure: 1450/2400

Chlorinated Calibration Gas Specifications

- Manfacturer: Scott Lot#:
- Concentration (ppmV): 100
- Concentration: (ppmV) Vinyl Chloride 99.6
- 1,1–dichloroethene 98.4
- Trichloroethene 102.0

Analysis A
Inj. #: 4

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF			
VC	17.1	5.1	2.7	1.89			
1,1–DCE	27.2	4.98	4.0	1.24			
TCE	104.1	4.92	12.1	.41			

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 13

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
VC	16.9	2.04	1.2	1.7	0.02		
1,1–DCE	26.6	1.99	1.8	1.1	0.03		
TCE	99.5	1.97	6.1	0.32	0.061		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

VC = 0.19/3.59/2 = 0.026
DCE = 0.14/2.34/2 = 0.03
TCE = 0.09/0.73/2 = 0.061

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
VC							
1,1–DCE							
TCE							

Comments:
Concentration is normalized to 1 ml.

PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. ____ SHEET 5 OF 22

SUBJECT ____ BY KKS DATE 6/9/94

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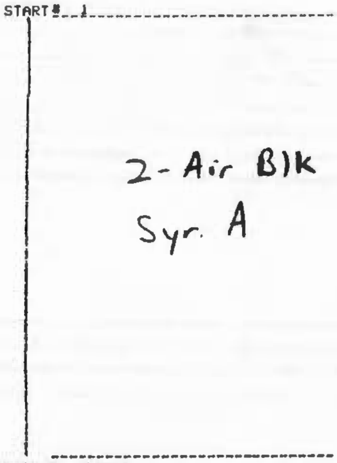
PHOTOVAC

START # 1



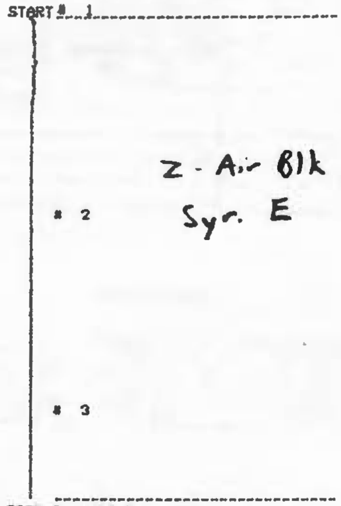
Z-Air Blk
Syr. A

STOP @ 344.8
SAMPLE LIBRARY 1 JUN 9 94 9:17
ANALYSIS # 18 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR A

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



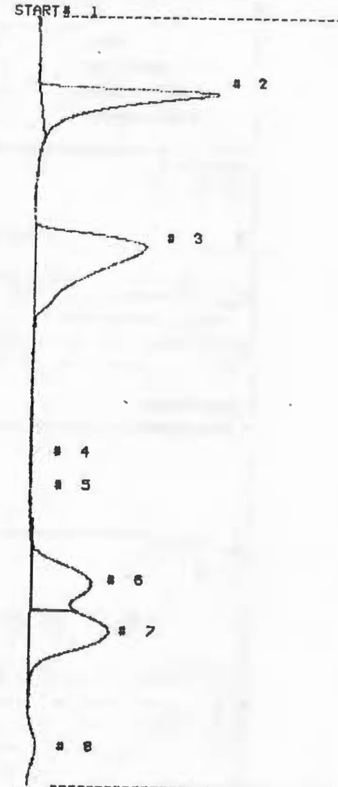
Z-Air Blk
Syr. E

STOP @ 376.0
SAMPLE LIBRARY 1 JUN 9 94 9:30
ANALYSIS # 20 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR E

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

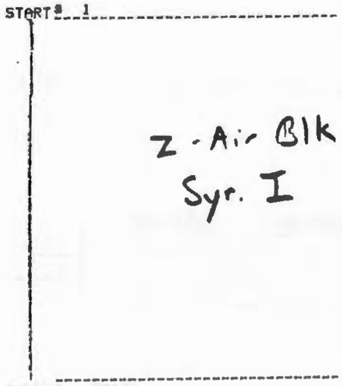


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 9:42
ANALYSIS # 21 5 PPM BTEX STD
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	61.5	8.0	VS
UNKNOWN	3	182.9	12.0	VS
UNKNOWN	6	449.2	6.1	VS
UNKNOWN	7	487.8	7.9	VS

PHOTOVAC

START # 1



Z-Air Blk
Syr. I

STOP @ 279.8
SAMPLE LIBRARY 1 JUN 9 94 9:23
ANALYSIS # 19 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR I

COMPOUND NAME PEAK R.T. AREA/PPM

Loose

5 ppm BTEX Std.

Retention time less than Analysis #15 - Internal Temp must be at 33°C to bring out P-Zylene - Turned up room temp.

PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. SHEET 6 OF 22

SUBJECT BY KKS DATE 6/9/94

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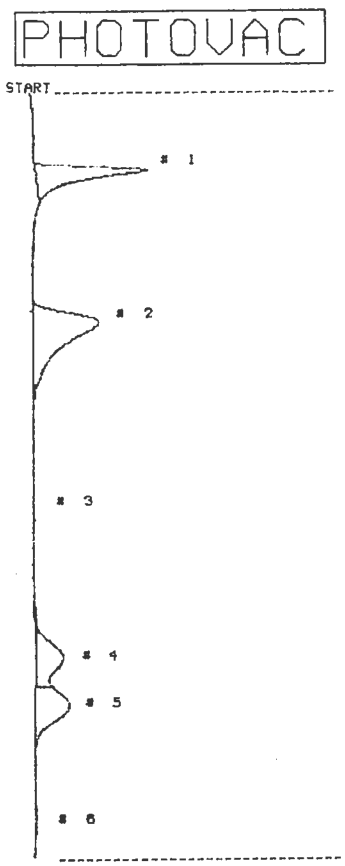
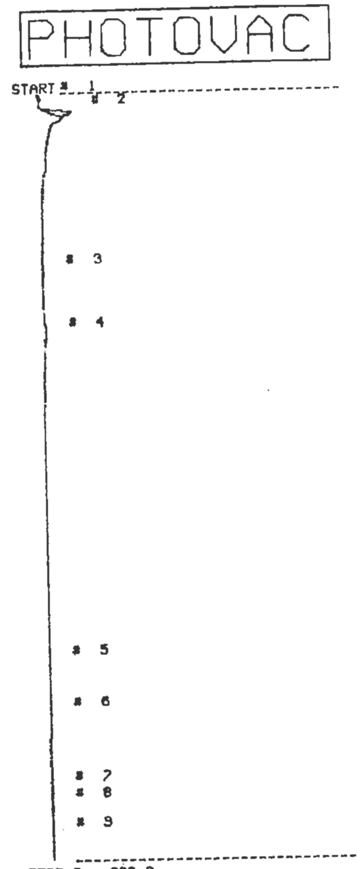


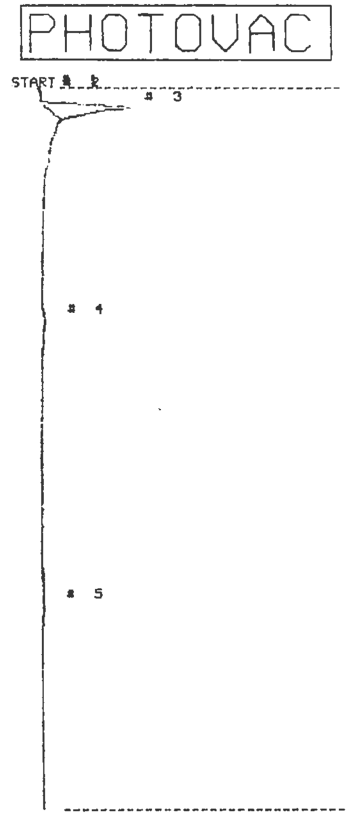
STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 9:57
ANALYSIS # 22 5 PPM BTEX STD
INTERNAL TEMP 32 0.4 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	62.1	3.8 VS
UNKNOWN	2	184.1	5.8 VS
UNKNOWN	4	450.8	2.5 VS
UNKNOWN	5	488.7	3.0 VS



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 10:13
ANALYSIS # 23 AMB AIR
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	206.3 mVS



STOP @ 563.5
SAMPLE LIBRARY 1 JUN 9 94 10:34
ANALYSIS # 24 SGL45-21
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR D

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	16.3	1.6 VS

Sample taken SGL45-21
with "OFF" repellent
present.

2 ppm BTEX STD

SOIL GAS CALIBRATION RESPONSE FACTORS: BTEX

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/9/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD 64D		Operator: Kerry Smith

Instrument Specs:		BTEX Calibration Gas Specifications		
Type of GC:	Photovac 10 S 50	Manfacturer:	Canaan	Lot#:
Column Type:	CPSil-5	Concentration (ppmV):		100 ppm
Col. Temp. (°C):	30° ± 5°	Concentration: (ppmV)	Benzene	98.6
Chart Speed:	1cm/sec		Toluene	97.4
Gain:	5		Ethylbenzene	95.5
Sensitivity:	5/10/4 mv/sec		O–Xylene	94.5
Gas Flow Rate:	7		M–Xylene	95.0
Tank Pressure:	1450/2400		P–Xylene	93.0

Analysis A
Inj. #: 21

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF			
Benzene	61.5	4.93	8.0	0.62			
Toluene	182.9	4.87	12.0	0.40			
Ethylbenzene	449.2	4.77	6.1	0.78			
O–Xylene	487.8	4.73	7.9	0.6			
M–Xylene		4.75					
P–Xylene		4.65					

Comments: O + M Zylene combined / P-Xylene not analized
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 22

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene	62.1	1.97	3.8	0.52	0.044		
Toluene	184.1	1.95	5.8	0.34	0.040		
Ethylbenzene	450.8	1.91	2.5	0.76	0.006		
O–Xylene	488.7	1.89	3.0	0.63	-0.012		
M–Xylene		1.90					
P–Xylene		1.86					

Comments: O+M Xylene Combined / P-Xylene not analyized
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

B = 0.1 / 1.14 / 2 = .044
T = 0.06 / .74 / 2 = .040
E = 0.02 / 1.54 / 2 = .006
O+M = -.03 / 1.23 / 2 = -.012

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene							
Toluene							
Ethylbenzene							
O–Xylene							
M–Xylene							
P–Xylene							

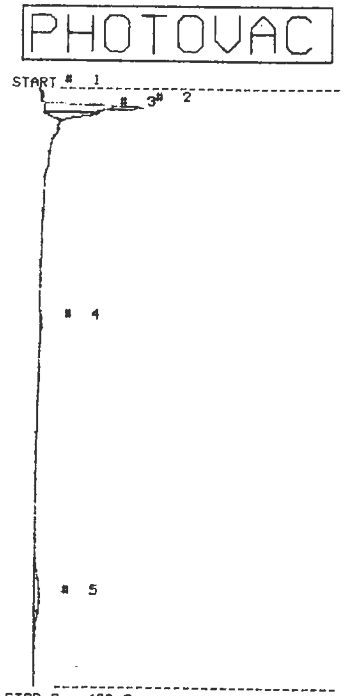
Comments:
Concentration is normalized to 1 ml.

PARSONS MAIN, INC. PARSONS

CLIENT: ACOE   JOB NO. ______   SHEET 8 OF 22

SUBJECT: ______   BY: KKS   DATE 6/9/94

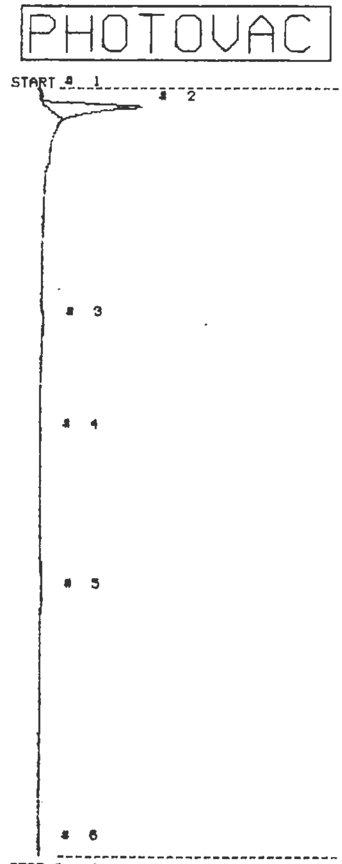
CKD. ______   REVISION ______



STOP @ 469.0
SAMPLE LIBRARY 1 JUN 9 94 10:42
ANALYSIS # 25 ROD BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR K

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	1.3 US
UNKNOWN	3	19.9	648.9 mUS
UNKNOWN	5	402.7	506.6 mUS

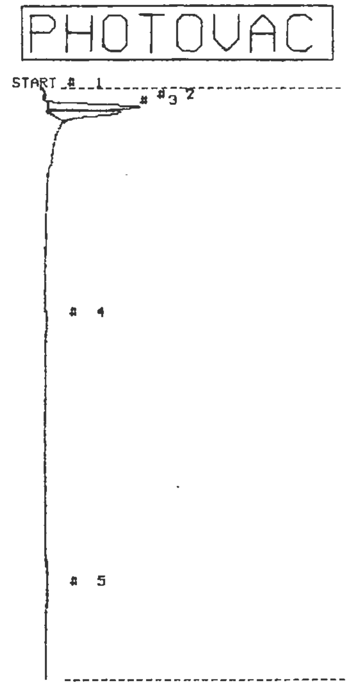
Rod Blank



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 10:53
ANALYSIS # 26 SGL45-22
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	1.7 US

SGL45-22



STOP @ 469.9
SAMPLE LIBRARY 1 JUN 9 94 11: 1
ANALYSIS # 27 SGL41-23
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.8	1.3 US
UNKNOWN	3	19.9	1.1 US

SGL41-23

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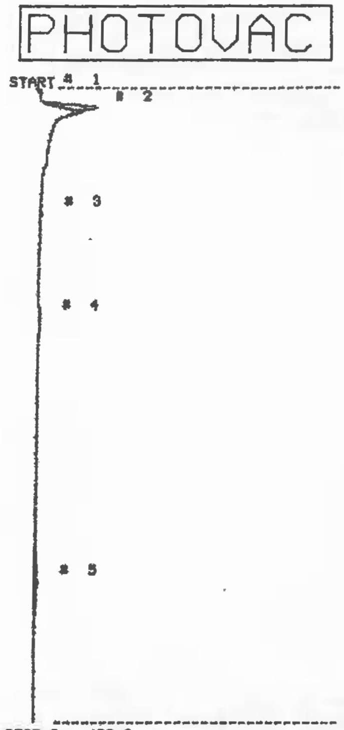
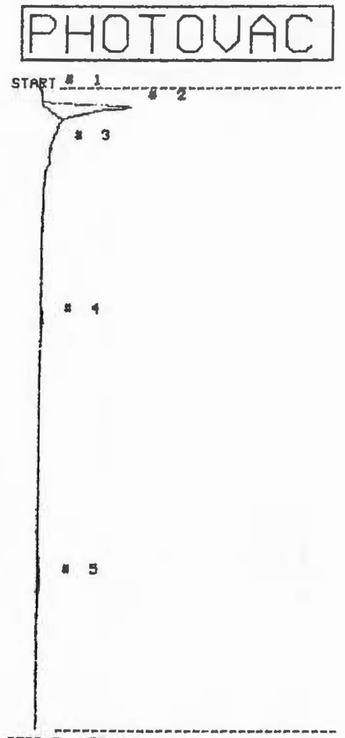


STOP @ 496.9
SAMPLE LIBRARY 1 JUN 9 94 11:11
ANALYSIS # 28 SGL41-24
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR G

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	357.5 mVS
UNKNOWN	5	388.7	136.2 mVS

SGL41-24

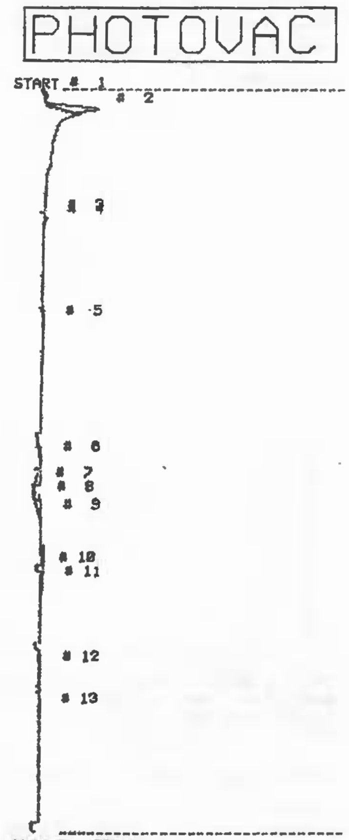


STOP @ 501.0
SAMPLE LIBRARY 1 JUN 9 94 11:20
ANALYSIS # 29 SGL41-~~28~~ 25 KKS
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	1.5 VS
UNKNOWN	5	385.2	179.4 mVS

SGL41-25

Replaced Injection
Septum



STOP @ 578.7
SAMPLE LIBRARY 1 JUN 9 94 11:30
ANALYSIS # 30 SGL41-26
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	372.6 mVS
UNKNOWN	7	308.9	100.1 mVS
UNKNOWN	9	333.5	123.9 mVS
UNKNOWN	11	385.2	154.6 mVS

Bad septum?
SGL41-30

PARSONS MAIN, INC. **PARSONS**

CLIENT ACOF JOB NO. ______ SHEET 10 OF 22

SUBJECT ______ BY KKS DATE 6/9/94

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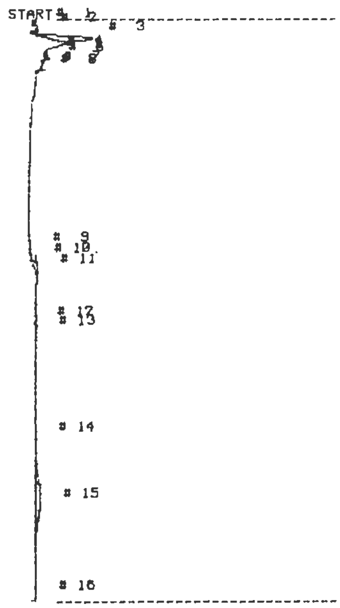
PHOTOVAC

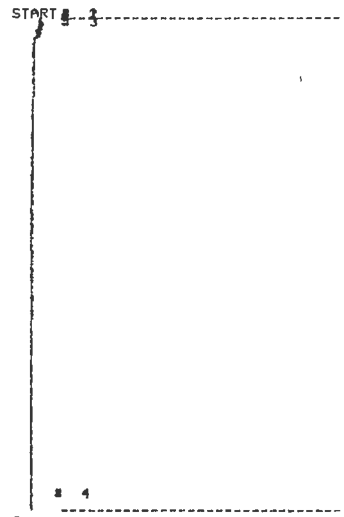


SAMPLE LIBRARY 1 JUN 9 94 11:38
ANALYSIS # 31 SGL41-27
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR L

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	16.1	497.5 mVS
UNKNOWN	15	381.0	492.8 mVS

SGL41-27

PHOTOVAC

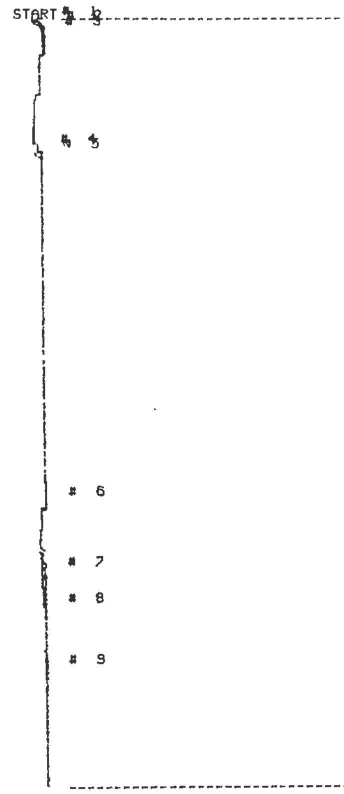


STOP @ 384.6
SAMPLE LIBRARY 1 JUN 9 94 11:45
ANALYSIS # 32 2 AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

2-Air Blk
Syr D

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 11:55
ANALYSIS # 33 2 AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR ~~B~~ C KKS

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	7	434.8	158.3 mVS
UNKNOWN	8	463.8	219.3 mVS

2-Air Blk
Syr C

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. SHEET 11 OF 22

SUBJECT BY KKS DATE 6/10/94

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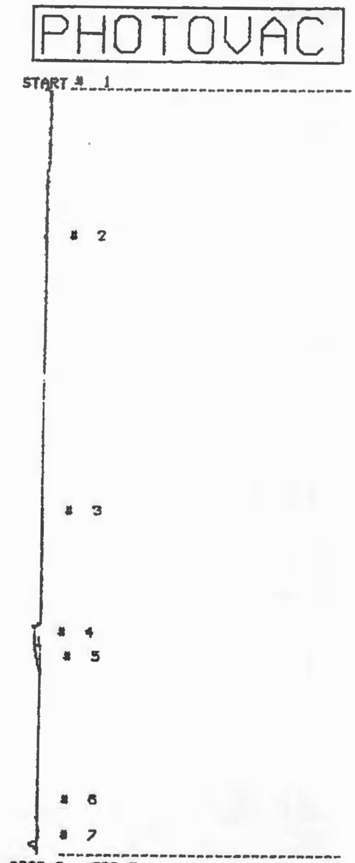
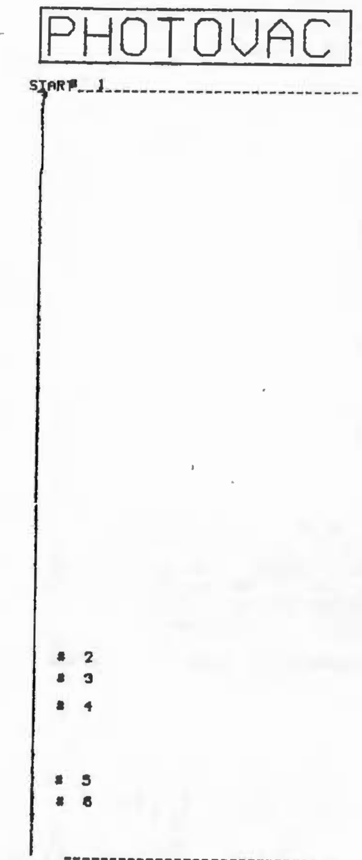


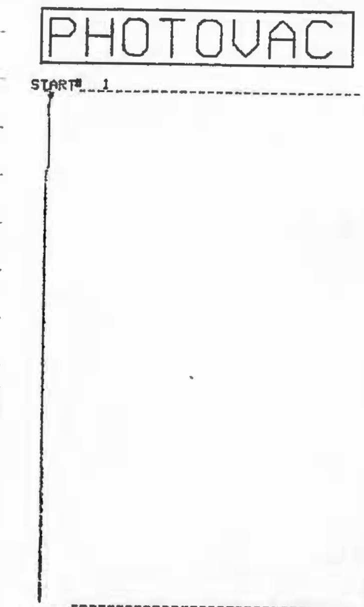
STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 12: 6
ANALYSIS # 34 % AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	5	456.4	166.2 mVS



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 12:24
ANALYSIS # 35 % AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR B

COMPOUND NAME PEAK R.T. AREA/PPM



STOP @ 400.9
SAMPLE LIBRARY 1 JUN 9 94 12:40
ANALYSIS # 36 % AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR B

COMPOUND NAME PEAK R.T. AREA/PPM

2 - Air Blk
Syr. C

2 - Air Blk
Syr B

Replaced Septum
Blew out injection Port

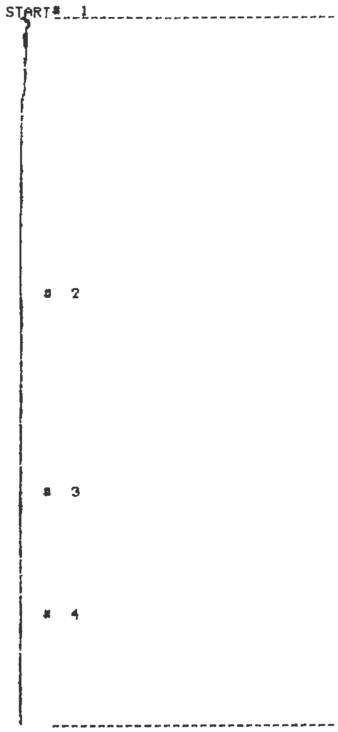
PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. ______ SHEET 11 OF 22

SUBJECT ______ BY KKS DATE 6/10/94

CKD. ______ REVISION ______

PHOTOVAC

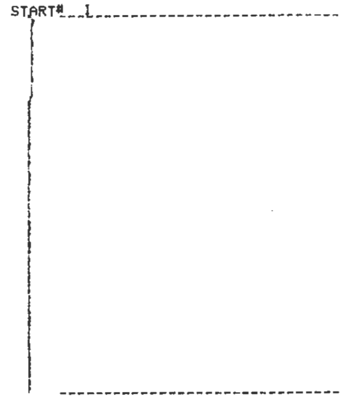


STOP @ 553.3
SAMPLE LIBRARY 1 JUN 9 94 12:49
ANALYSIS # 37 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR H

COMPOUND NAME PEAK R.T. AREA/PPM

Z. Air Blk
Syr. H

PHOTOVAC

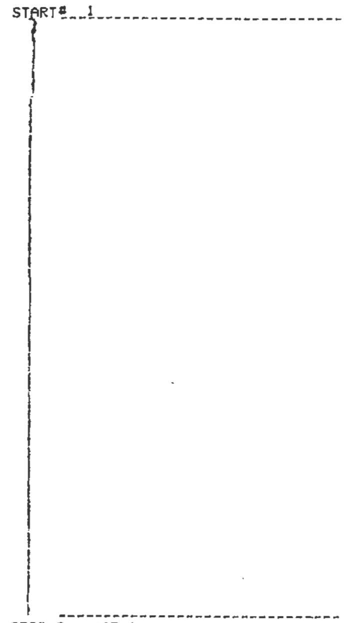


STOP @ 293.5
SAMPLE LIBRARY 1 JUN 9 94 12:55
ANALYSIS # 38 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR K

COMPOUND NAME PEAK R.T. AREA/PPM

Z-Air Blk.
Syr. K

PHOTOVAC



STOP @ 465.9
SAMPLE LIBRARY 1 JUN 9 94 13:3
ANALYSIS # 39 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR ~~K~~ L KKS

COMPOUND NAME PEAK R.T. AREA/PPM

Z-Air Blk
Syr. L

PARSONS MAIN, INC. **PARSONS**

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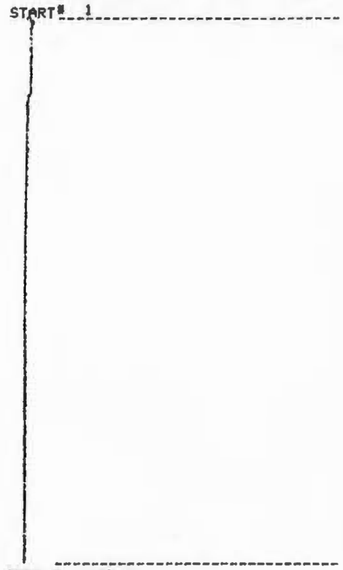
PHOTOVAC

START# 1



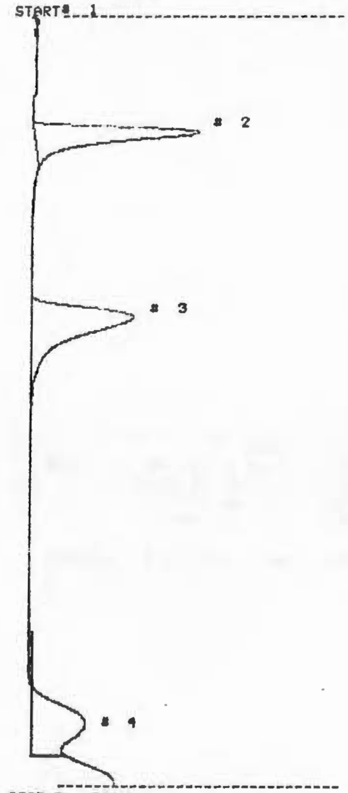
STOP @ 427.9
SAMPLE LIBRARY 1 JUN 9 94 13:13
ANALYSIS # 40 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Z-Air Blk for BTEX Std

PHOTOVAC

START# 1



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 13:23
ANALYSIS # 41 5 PPM BTEX STD
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	91.9	6.4	US
UNKNOWN	3	238.1	8.0	US
UNKNOWN	4	560.1	6.2	US

PHOTOVAC

START

STOP @ 42.4
SAMPLE LIBRARY 1 JUN 9 94 13:40
ANALYSIS # 42 ~~5 PPM BTEX~~ STD
INTERNAL TEMP 33 ~~1.0 ML~~
GAIN 5 ~~SYR N~~ No Inj.

COMPOUND NAME PEAK R.T. AREA/PPM

Test purposes only

All connections touched during Injection port purge were OK - Discovered kinked and loose fitting at Inlet #2 on column. Results should be much better.

Also blew much more debris from the injection port

Flow back to 7

- Lost all Xylenes -
Flow is down to 4, probably due to the disconnection of lines when the injection port was blown out.
Check for leaks and try again.

PARSONS MAIN, INC. **PARSONS**

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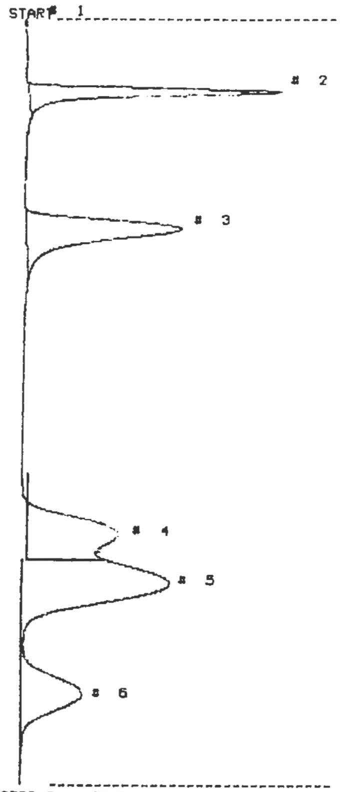
PHOTOVAC

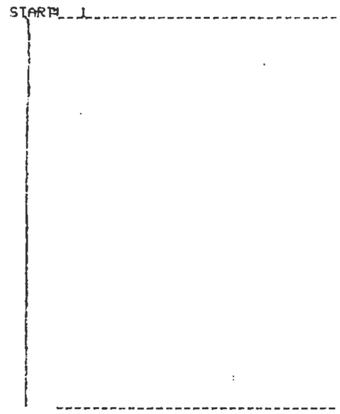


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 13:56
ANALYSIS # 43 5 PPM BTEX STD
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	57.4	5.8	VS
UNKNOWN	3	166.7	9.0	VS
UNKNOWN	4	411.8	9.2	VS
UNKNOWN	5	450.0	15.8	VS
UNKNOWN	6	538.2	6.1	VS

5ppm BTEX STD

PHOTOVAC

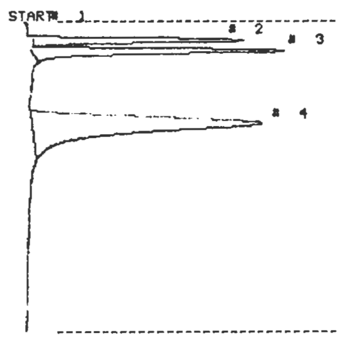


STOP @ 303.7
SAMPLE LIBRARY 1 JUN 9 94 14:8
ANALYSIS # 44 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Z-Air Blk for Chlor. Std

PHOTOVAC

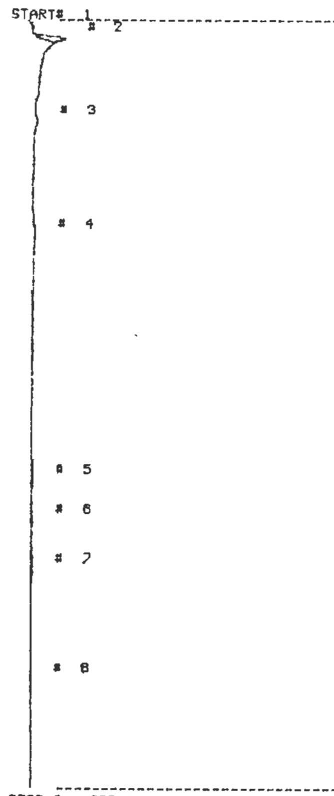


STOP @ 243.3
SAMPLE LIBRARY 1 JUN 9 94 14:12
ANALYSIS # 45 5 PPM CHLOR STD
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.6	2.7	VS
UNKNOWN	3	24.8	3.8	VS
UNKNOWN	4	82.3	9.6	VS

5ppm Chlor Std.

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 14:35
ANALYSIS # 46 AMB AIR STD
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.7	231.8 mVS

Ambient Air Blk

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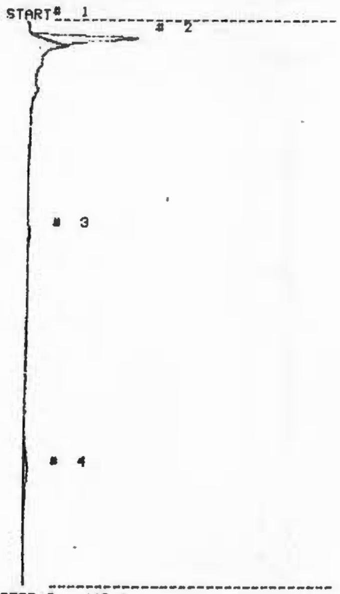
PHOTOVAC

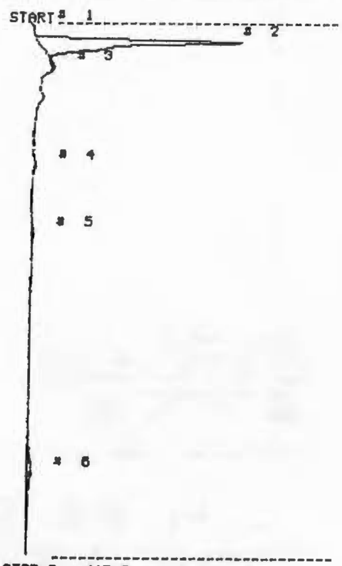


STOP @ 443.1
SAMPLE LIBRARY 1 JUN 9 94 14:46
ANALYSIS # 47 SGL41-28
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.6	1.2 US
UNKNOWN	4	356.9	265.8 mUS

SGL41-28

PHOTOVAC

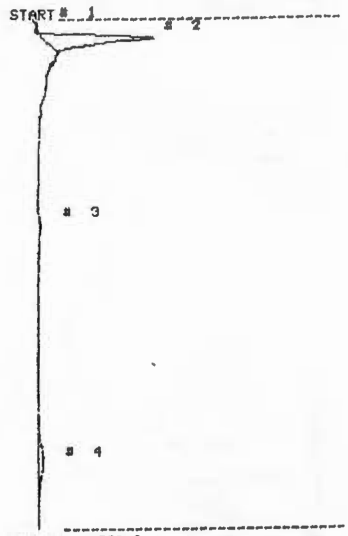


STOP @ 415.6
SAMPLE LIBRARY 1 JUN 9 94 14:54
ANALYSIS # 48 SGL41-29
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.5	3.6 US
UNKNOWN	6	351.5	259.8 mUS

SGL41-29

PHOTOVAC



STOP @ 398.0
SAMPLE LIBRARY 1 JUN 9 94 15: 1
ANALYSIS # 49 SGL41-30
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	2.2 US
UNKNOWN	4	348.5	378.2 mUS

SGL41-30

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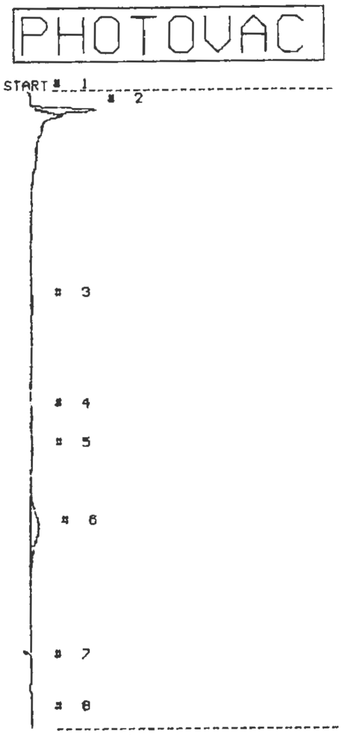
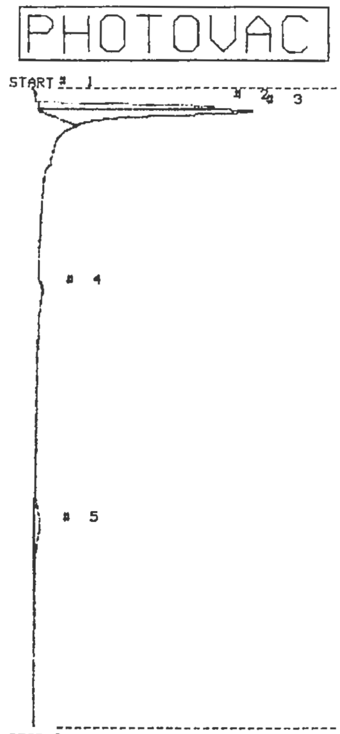


STOP @ 499.2
SAMPLE LIBRARY 1 JUN 9 94 15: 9
ANALYSIS # 50 SGL37-31
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	400.8 mVS
UNKNOWN	6	346.7	657.4 mVS

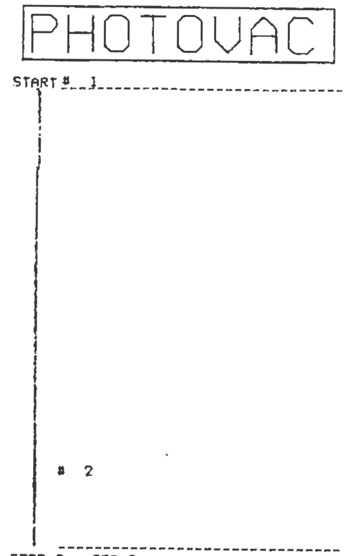
SGL37-31



STOP @ 498.6
SAMPLE LIBRARY 1 JUN 9 94 15:19
ANALYSIS # 51 SGL37-32
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	2.2 VS
UNKNOWN	3	19.5	3.7 VS
UNKNOWN	5	344.3	430.9 mVS

SGL37-32



STOP @ 358.3
SAMPLE LIBRARY 1 JUN 9 94 15:28
ANALYSIS # 52 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR I

COMPOUND NAME PEAK R.T. AREA/PPM

Z Air Blk
Syr I

Loose fitting pluger.
Cleaned pluger + Barrel.
Much tighter fit.

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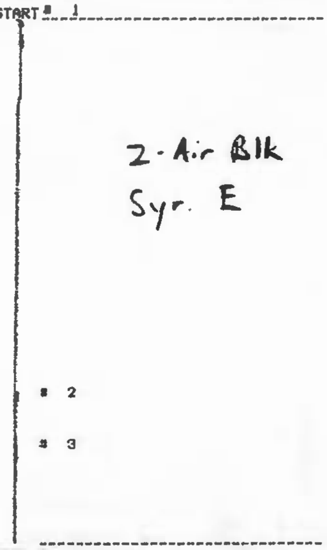
PHOTOVAC

START # 1



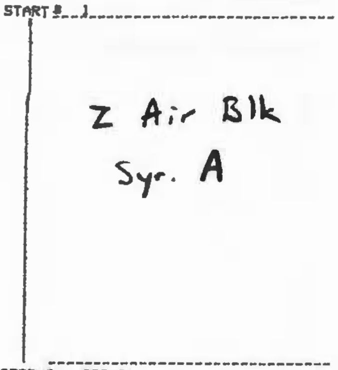
Z-Air Blk
Syr. E

STOP @ 411.1
SAMPLE LIBRARY 1 JUN 9 94 15:35
ANALYSIS # 53 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR E

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



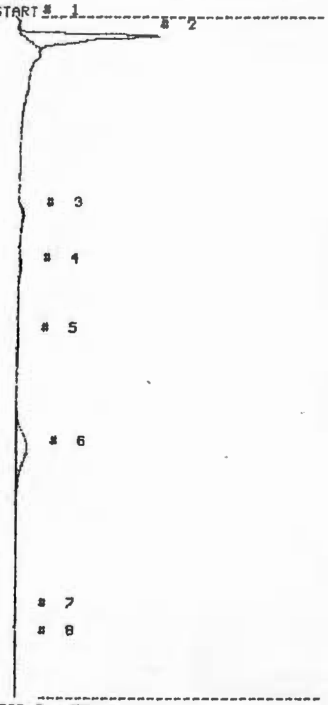
Z Air Blk
Syr. A

STOP @ 269.8
SAMPLE LIBRARY 1 JUN 9 94 15:46
ANALYSIS # 55 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 5 SYR A

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



STOP @ 531.1
SAMPLE LIBRARY 1 JUN 9 94 16: 2
ANALYSIS # 57 SGL37-34
INTERNAL TEMP 36 1.0 ML
GAIN 5 SYR L

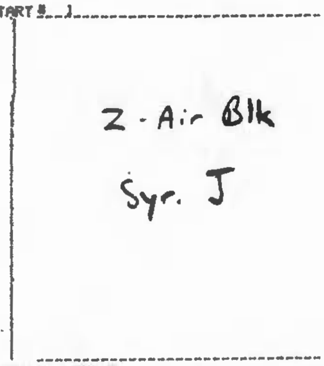
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	2.2 US
UNKNOWN	6	341.3	926.5 mUS

SGL 37-34

Replaced injection septum

PHOTOVAC

START # 1



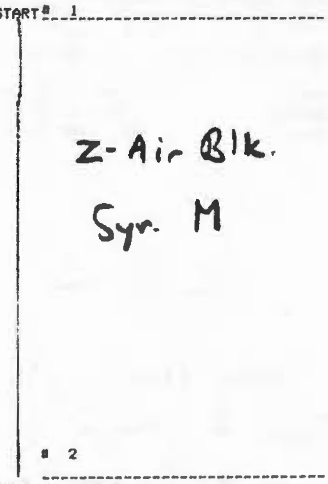
Z-Air Blk
Syr. J

STOP @ 265.5
SAMPLE LIBRARY 1 JUN 9 94 15:41
ANALYSIS # 54 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 5 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



Z-Air Blk.
Syr. M

STOP @ 357.0
SAMPLE LIBRARY 1 JUN 9 94 15:53
ANALYSIS # 56 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 5 SYR M

COMPOUND NAME PEAK R.T. AREA/PPM

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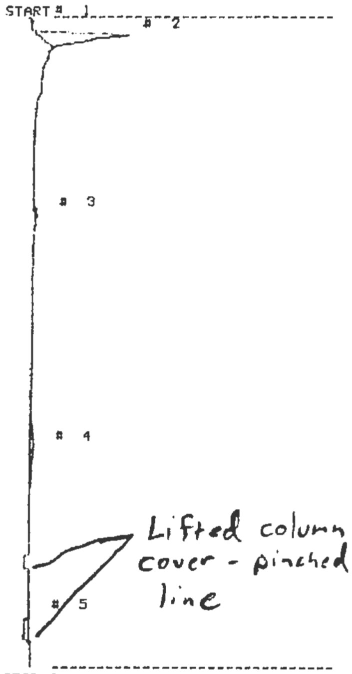
PHOTOVAC

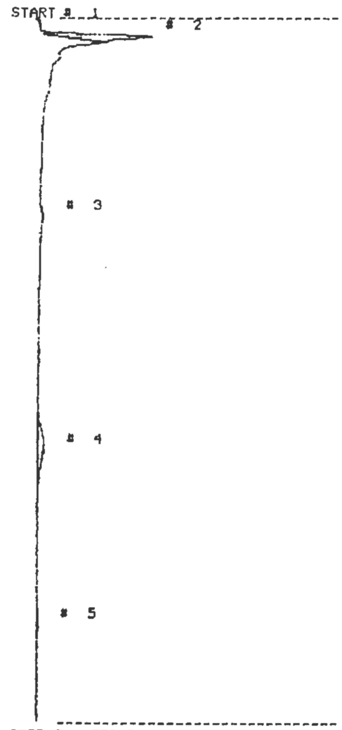


STOP @ 509.7
SAMPLE LIBRARY 1 JUN 9 94 16:15
ANALYSIS # 58 SGL37-35
INTERNAL TEMP 36 1.0 ML
GAIN 5 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.7	1.6 US
UNKNOWN	4	338.9	246.2 mUS
UNKNOWN	5	479.0	412.6 mUS

SGL 37-35

PHOTOVAC

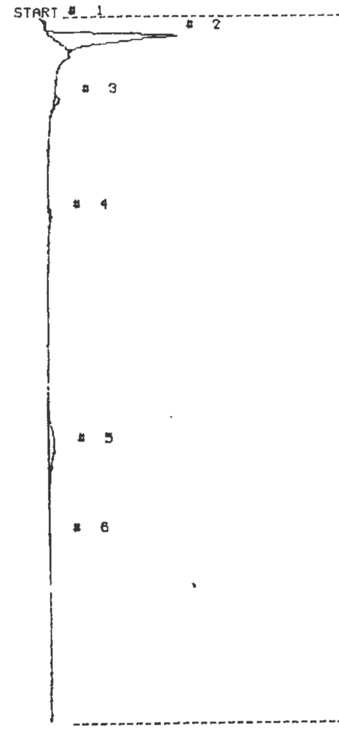


STOP @ 550.2
SAMPLE LIBRARY 1 JUN 9 94 16:24
ANALYSIS # 59 SGL37-36
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	794.9 mUS
UNKNOWN	4	338.3	576.1 mUS

SGL 37-36

PHOTOVAC



STOP @ 550.8
SAMPLE LIBRARY 1 JUN 9 94 16:34
ANALYSIS # 60 SGL37-37
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR-B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	2.5 US
UNKNOWN	3	86.5	109.4 mUS
UNKNOWN	5	338.3	551.9 mUS

SGL 37-37

PARSONS MAIN, INC. **PARSONS**

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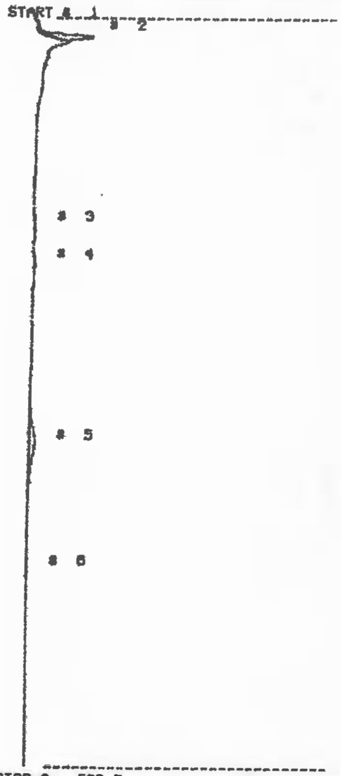
PHOTOVAC



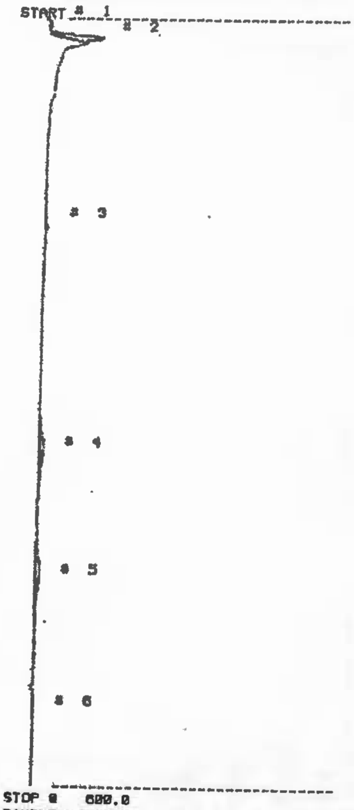

```
STOP @   586.7
SAMPLE LIBRARY 1   JUN  9   94  16:44
ANALYSIS #    61    SGL33-38
INTERNAL TEMP 35    1.0 ML
GAIN           5    SYR K

COMPOUND NAME    PEAK  R.T.   AREA/PPM

UNKNOWN            2    15.8 391.8 mVS
UNKNOWN            5   337.7 442.4 mVS
```

SGL33-38

PHOTOVAC



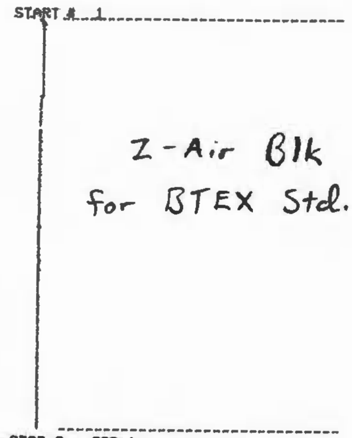

```
STOP @   600.0
SAMPLE LIBRARY 1   JUN  9   94  16:54
ANALYSIS #    62    SGL33-39
INTERNAL TEMP 35    1.0 ML
GAIN           5    SYR D

COMPOUND NAME    PEAK  R.T.   AREA/PPM

UNKNOWN            2    15.8 324.5 mVS
UNKNOWN            4   341.3 411.6 mVS
UNKNOWN            5   440.4 284.7 mVS
```

SGL 33-39

PHOTOVAC



Z-Air Blk
for BTEX Std.

```
STOP @   320.1
SAMPLE LIBRARY 1   JUN  9   94  17: 1
ANALYSIS #    63    Z AIR BLK
INTERNAL TEMP 35    1.0 ML
GAIN           5    SYR N

COMPOUND NAME    PEAK  R.T.   AREA/PPM
```

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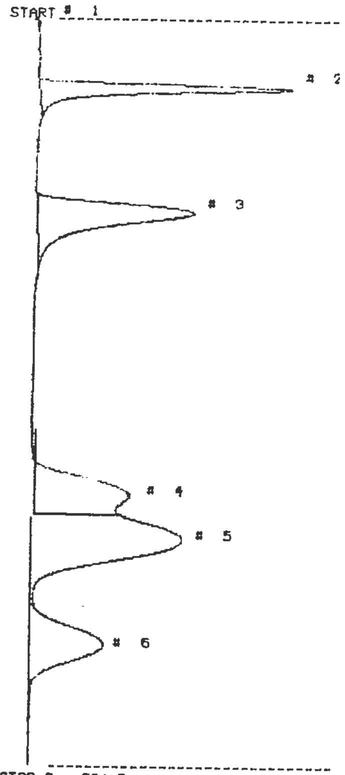
PHOTOVAC

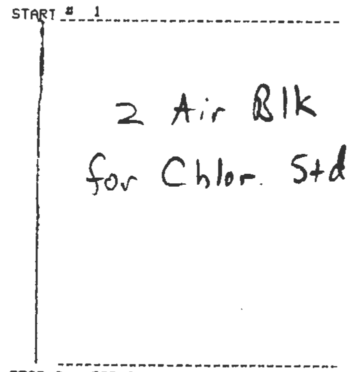


STOP @ 584.5
SAMPLE LIBRARY 1 JUN 9 94 17:11
ANALYSIS # 64 5 PPM BTEX STD
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	54.5	6.0 VS
UNKNOWN	3	154.1	9.7 VS
UNKNOWN	4	379.6	8.3 VS
UNKNOWN	5	413.9	16.8 VS
UNKNOWN	6	497.7	7.1 VS

5ppm BTEX Std.

PHOTOVAC

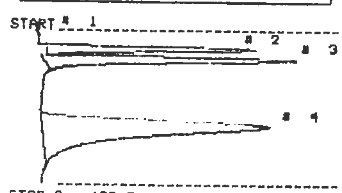


2 Air Blk
for Chlor. Std.

STOP @ 268.8
SAMPLE LIBRARY 1 JUN 9 94 17:16
ANALYSIS # 65 2 AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

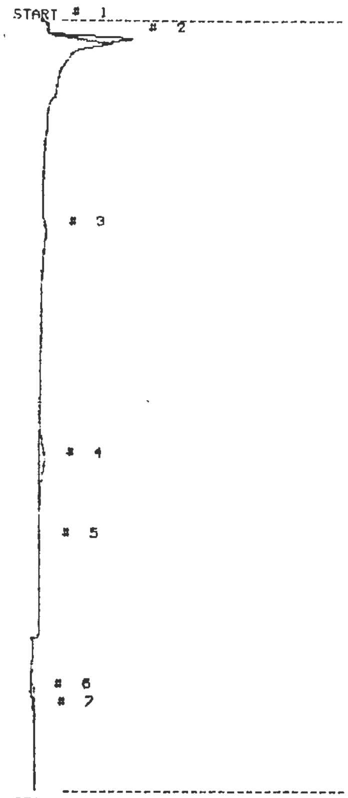


STOP @ 120.7
SAMPLE LIBRARY 1 JUN 9 94 17:19
ANALYSIS # 66 5 PPM CHLOR STD
INTERNAL TEMP 37 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.4	2.8 VS
UNKNOWN	3	24.2	3.9 VS
UNKNOWN	4	77.3	10.0 VS

5ppm Chlor Std.

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 9 94 17:29
ANALYSIS # 67 SGL33-40
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR G

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.7	510.0 mVS
UNKNOWN	4	347.3	427.5 mVS

SGL33-40

Gain increased
to 10

PARSONS MAIN, INC. **PARSONS**

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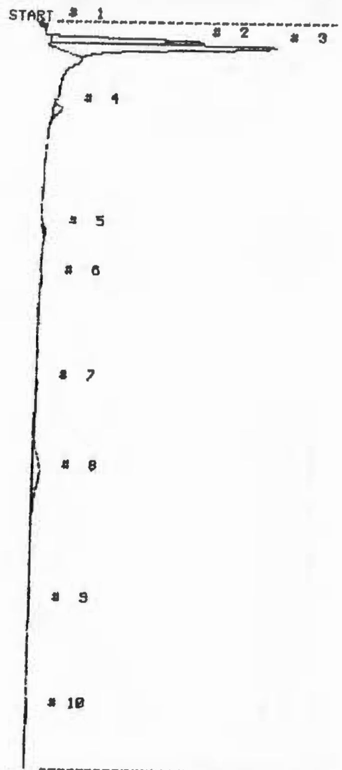
CKD.: | REVISION:

PHOTOVAC

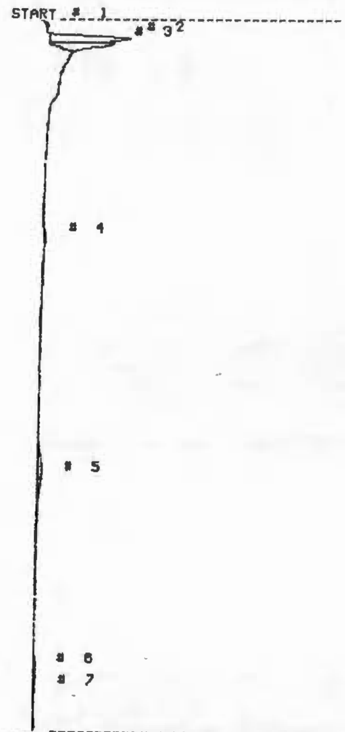


STOP @ 584.5
SAMPLE LIBRARY 1 JUN 9 94 17:39
ANALYSIS # 68 SGL33-41
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	1.8 US
UNKNOWN	3	19.9	3.5 US
UNKNOWN	4	70.1	181.7 mUS
UNKNOWN	8	358.1	582.6 mUS

SGL 33-41

PHOTOVAC

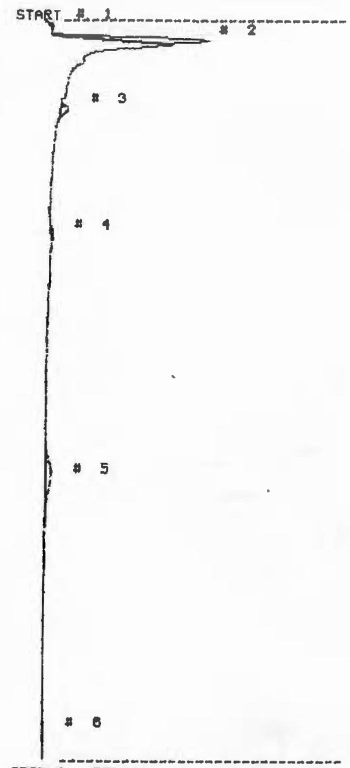


STOP @ 557.2
SAMPLE LIBRARY 1 JUN 9 94 17:49
ANALYSIS # 69 SGL33-42
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	1.1 US
UNKNOWN	3	19.5	850.4 mUS
UNKNOWN	5	360.0	379.4 mUS

SGL33-42

PHOTOVAC



STOP @ 577.6
SAMPLE LIBRARY 1 JUN 9 94 17:59
ANALYSIS # 70 SGL33-43
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.4	314.9 mUS
UNKNOWN	3	71.1	104.2 mUS
UNKNOWN	5	360.0	516.5 mUS

SGL33-43

Plunger felt loose

PARSONS MAIN, INC.

PARSONS

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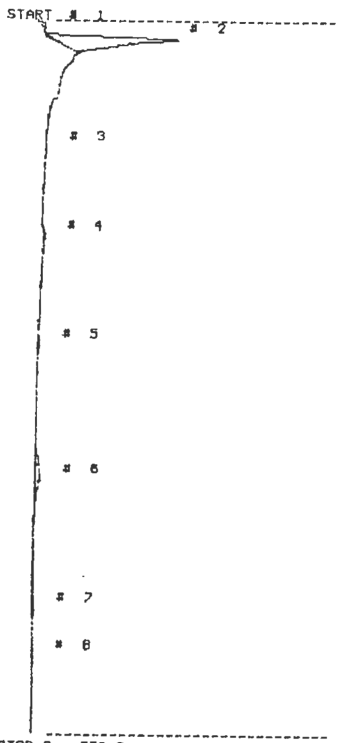
SUBJECT | BY KKS | DATE 6/9/94

CKD. | REVISION

PHOTOVAC

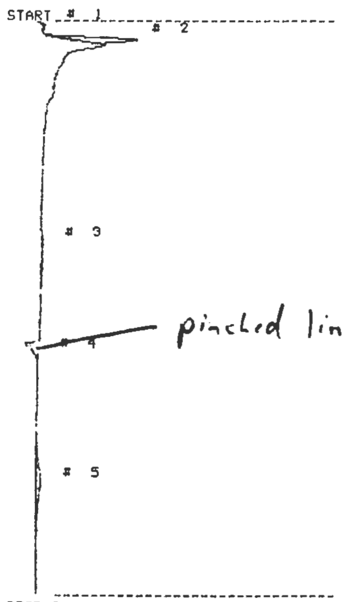


STOP @ 553.2
SAMPLE LIBRARY 1 JUN 9 94 18: 8
ANALYSIS # 71 SGL33-44
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	2.4 VS
UNKNOWN	6	362.1	419.6 mVS

SGL33-44

PHOTOVAC



pinched line

STOP @ 449.1
SAMPLE LIBRARY 1 JUN 9 94 18:16
ANALYSIS # 72 SGL33-45
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.8	623.6 mVS
UNKNOWN	5	363.5	383.2 mVS

SGL33-45

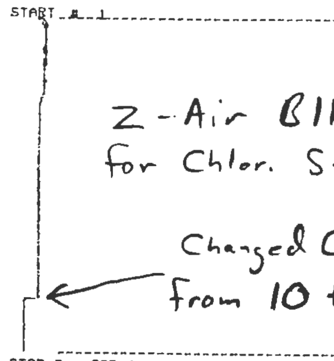
PHOTOVAC

START
STOP @ 6.7
SAMPLE LIBRARY 1 ~~JUN 9 94 18:17~~
ANALYSIS # 73 ~~SGL33-45~~
INTERNAL TEMP 34 ~~1.0 ML~~
GAIN 10 ~~SYR I~~

COMPOUND NAME PEAK R.T. AREA/PPM

Bad Injection

PHOTOVAC



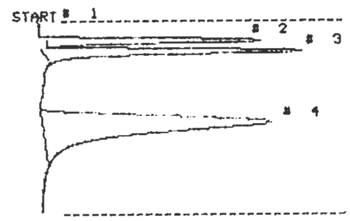
Z-Air Blk. for Chlor. Std.

Changed Gain from 10 to 5

STOP @ 260.4
SAMPLE LIBRARY 1 JUN 9 94 18:21
ANALYSIS # 74 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 150.1
SAMPLE LIBRARY 1 JUN 9 94 18:24
ANALYSIS # 75 5 PPM CHLOR STD
INTERNAL TEMP 36 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.6	3.0 VS
UNKNOWN	3	24.8	4.1 VS
UNKNOWN	4	81.5	10.5 VS

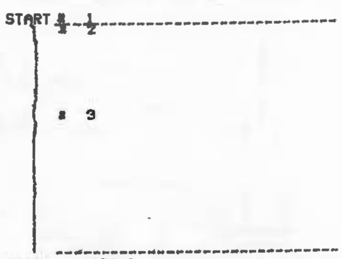
5 ppm Chlor. Std.

CLIENT ACOE JOB NO. SHEET 22 OF 22

SUBJECT BY KKS DATE 6/9/94

CKD. REVISION

PHOTOVAC

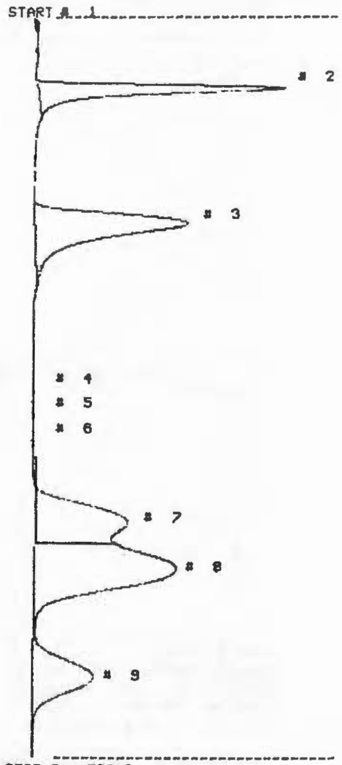


STOP @ 179.9
SAMPLE LIBRARY 1 JUN 9 94 18:28
ANALYSIS # 76 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Z-Air Blk for BTEX Std.

PHOTOVAC



STOP @ 579.3
SAMPLE LIBRARY 1 JUN 9 94 18:38
ANALYSIS # 77 5 PPM BTEX STD
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	56.5	6.3	VS
UNKNOWN	3	162.8	9.9	VS
UNKNOWN	7	401.3	8.5	VS
UNKNOWN	8	438.8	15.8	VS
UNKNOWN	9	523.8	5.7	VS

5 ppm BTEX Std.

End of Day

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ____ SHEET 1 OF 19

SUBJECT ____ BY KKS DATE 6/10/94

CKD ____ REVISION ____

PHOTOVAC

START

\# 1 — ↑ Gain to 10

\# 2

\# 3

\# 4

\# 5
\# 6

STOP @ 354.1
SAMPLE LIBRARY 1 JUN 10 94 7:32
ANALYSIS # 1 % AIR BLK
INTERNAL TEMP 28 1.0 ML
GAIN 5 SYR ~~A~~ I

OFFSET 0.0 mV
CHART SPEED 1 cM/Min
SLOPE SENS. 5 10 4 mV/Sec
WINDOW +/- 1 Percent
MINIMUM AREA 100 mVSec
TIMER DELAY 10.0 Sec
ANALYSIS TIME 600.0 Sec
CYCLE TIME 0 Min

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 1

syr Blk

J

\# 3

STOP @ 159.2
SAMPLE LIBRARY 1 JUN 10 94 7:35
ANALYSIS # 2 % AIR BLK
INTERNAL TEMP 29 1.0 ML
GAIN 5 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 1

Syr. Blk.

H

\# 2

\# 3

STOP @ 195.1
SAMPLE LIBRARY 1 JUN 10 94 7:39
ANALYSIS # 3 % AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 5 SYR H

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START

Syr. Blk.

C

\# 1

STOP @ 268.5
SAMPLE LIBRARY 1 JUN 10 94 7:44
ANALYSIS # 4 % AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 5 SYR C

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 1

Syr. Blk

E

STOP @ 253.6
SAMPLE LIBRARY 1 JUN 10 94 7:48
ANALYSIS # 5 % AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 5 SYR E

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 1

Syr. Blk.

G

\# 2

STOP @ 409.7
SAMPLE LIBRARY 1 JUN 10 94 7:55
ANALYSIS # 6 % AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 5 SYR G

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 1

Syr. Blk.

A

STOP @ 289.8
SAMPLE LIBRARY 1 JUN 10 94 8:0
ANALYSIS # 7 % AIR BLK
INTERNAL TEMP 31 1.0 ML
GAIN 5 SYR A

COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ______ SHEET 2 OF 19

SUBJECT ______ BY KKS DATE 6/10/94

CKD. ______ REVISION ______

PHOTOVAC

START

2-Air Blk
Syr. D

STOP @ 398.9
SAMPLE LIBRARY 1 JUN 10 94 8:7
ANALYSIS # 8 Z AIR BLK
INTERNAL TEMP 31 1.0 ML
GAIN 5 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START

2-Air Blk
Syr. B

1
2

STOP @ 314.9
SAMPLE LIBRARY 1 JUN 10 94 8:14
ANALYSIS # 9 Z AIR BLK
INTERNAL TEMP 31 1.0 ML
GAIN 5 SYR B

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 1

2-Air Blk
Syr. F

2

STOP @ 520.2
SAMPLE LIBRARY 1 JUN 10 94 8:23
ANALYSIS # 10 Z AIR BLK
INTERNAL TEMP 31 1.0 ML
GAIN 5 SYR F

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 1

2-Air Blk
Syr. K

2
3

4

STOP @ 364.8
SAMPLE LIBRARY 1 JUN 10 94 8:30
ANALYSIS # 11 Z AIR BLK
INTERNAL TEMP 31 1.0 ML
GAIN 5 SYR K

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 2
3
4

2-Air Blk
Syr L

STOP @ 281.2
SAMPLE LIBRARY 1 JUN 10 94 8:35
ANALYSIS # 12 Z AIR BLK
INTERNAL TEMP 32 1.0 ML
GAIN 5 STR L

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 1
2

2-air Blk
Syr. ~~L~~ N KKS

STOP @ 297.8
SAMPLE LIBRARY 1 JUN 10 94 8:41
ANALYSIS # 13 Z AIR BLK
INTERNAL TEMP 32 1.0 ML
GAIN 5 STR N

COMPOUND NAME PEAK R.T. AREA/PPM

Change Injection
Septum - Green

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO.: ____ SHEET 3 OF 19

SUBJECT: ____ BY: KKS DATE: 6/10/94

CKD.: ____ REVISION: ____

PHOTOVAC

START

1

2-Air Blk

2
3
4

Syr. P

For BTEX Std prep.

STOP @ 347.6
SAMPLE LIBRARY 1 JUN 10 94 8:57
ANALYSIS # 14 % AIR BLK
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR P

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 1

2

2-Air Blk

Syr. Q

For Chlor Std. prep.

3

4

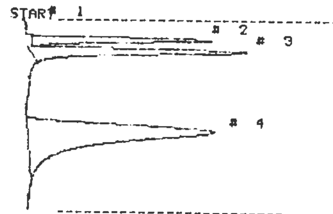
5

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 9: 7
ANALYSIS # 15 % AIR BLK
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR Q

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START# 1



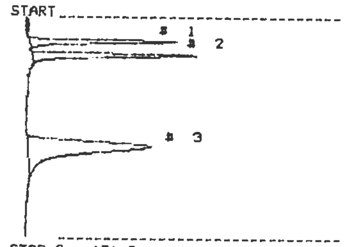
STOP @ 151.1
SAMPLE LIBRARY 1 JUN 10 94 9:57
ANALYSIS # 16 5 PPM CHLOR STD
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.9	2.5	US
UNKNOWN	3	25.7	3.5	US
UNKNOWN	4	89.7	9.3	US

5 ppm Chlor Std

PHOTOVAC

START



STOP @ 171.8
SAMPLE LIBRARY 1 JUN 10 94 10: 0
ANALYSIS # 17 5 PPM CHLOR STD
INTERNAL TEMP 33 0.4 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	1	20.2	1.3	US
UNKNOWN	2	30.5	1.7	US
UNKNOWN	3	102.9	4.2	US

2 ppm Chlor Std

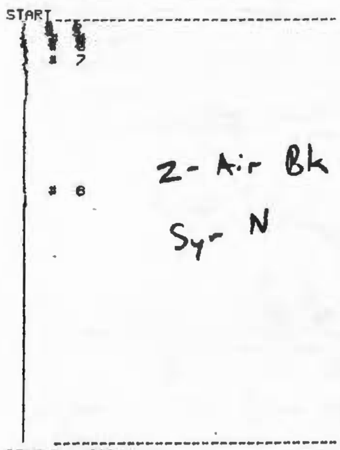
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ____ SHEET 4 OF 19

UBJECT ____ BY KKS DATE 6/10/94

CKD. ____ REVISION ____

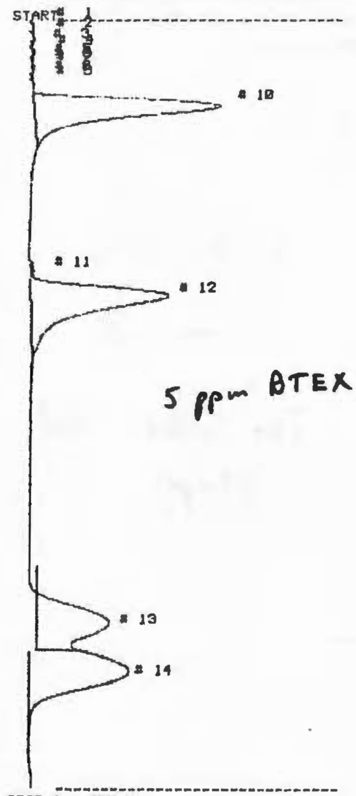
PHOTOVAC



STOP @ 330.4
SAMPLE LIBRARY 1 JUN 10 94 10: 6
ANALYSIS # 18 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

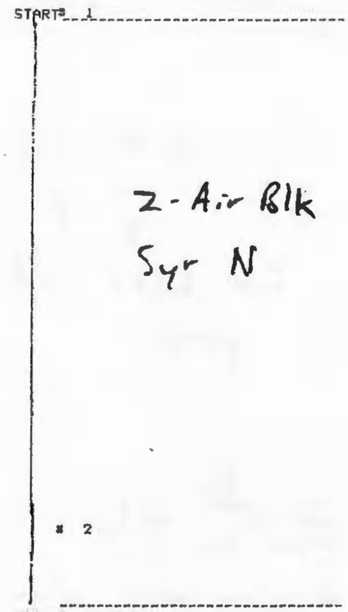
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 10:17
ANALYSIS # 19 5 PPM BTEX STD
INTERNAL TEMP 32 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	10	68.9	9.2	US
UNKNOWN	12	218.5	9.6	US
UNKNOWN	13	470.0	7.2	US
UNKNOWN	14	516.6	9.3	US

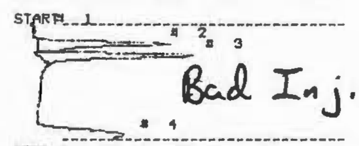
PHOTOVAC



STOP @ 456.7
SAMPLE LIBRARY 1 JUN 10 94 10:30
ANALYSIS # 20 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 88.9
SAMPLE LIBRARY 1 JUN 10 94 10:33
ANALYSIS # 21 BAD INJ
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	18.4	1.8	US
UNKNOWN	3	24.9	2.8	US

Not happy with Baseline and replication.
Replacing Injection port septum with old ~~latex~~ silicone rubber type. Green septum was too hard and may of leaked.
Repeat Cal. Std Injections

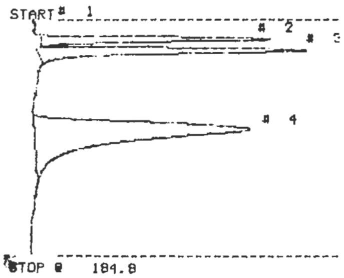
PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. ______ SHEET 5 OF 19

SUBJECT ______ BY KKS DATE 6/10/94

CKD. ______ REVISION ______

PHOTOVAC

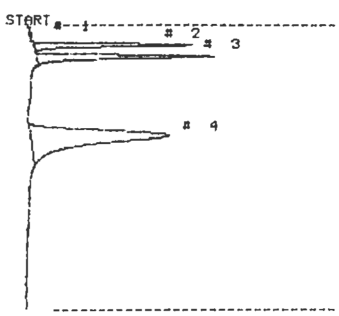


STOP @ 184.8
SAMPLE LIBRARY 1 JUN 10 94 10:36
ANALYSIS # 22 5 PPM CHLOR STD
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.7	3.1	US
UNKNOWN	3	25.5	4.3	US
UNKNOWN	4	88.3	10.8	US

5 ppm Chlor Std

PHOTOVAC

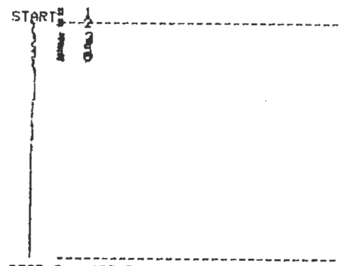


STOP @ 220.9
SAMPLE LIBRARY 1 JUN 10 94 10:41
ANALYSIS # 23 5 PPM CHLOR STD
INTERNAL TEMP 35 0.4 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.8	1.3	US
UNKNOWN	3	25.6	1.8	US
UNKNOWN	4	88.5	5.0	US

2 ppm Chlor Std by Volume

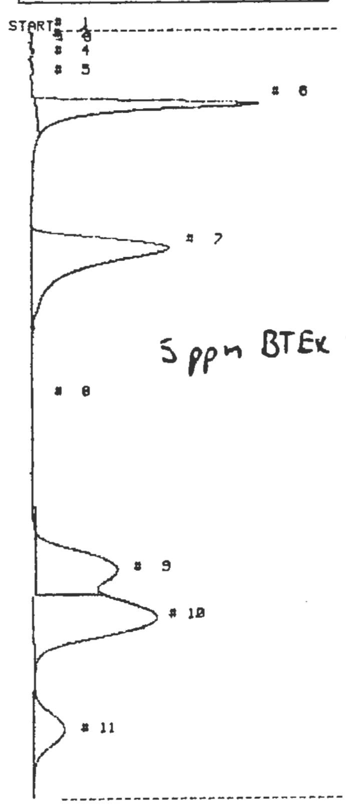
PHOTOVAC



STOP @ 183.0
SAMPLE LIBRARY 1 JUN 10 94 10:45
ANALYSIS # 24 Z AIR STD
INTERNAL TEMP 35 1.0 ML
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

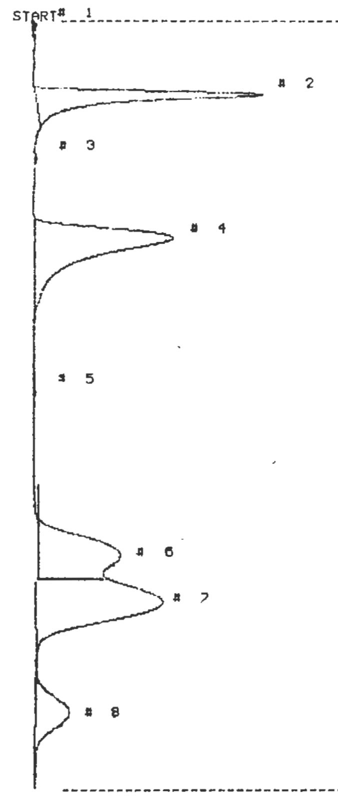


5 ppm BTEX Std.

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 10:56
ANALYSIS # 25 5 PPM BTEX STD
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	6	59.0	6.4	US
UNKNOWN	7	173.6	10.5	US
UNKNOWN	9	429.2	8.3	US
UNKNOWN	10	466.8	13.0	US
UNKNOWN	11	556.1	2.7	US

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 11: 7
ANALYSIS # 26 5 PPM BTEX STD
INTERNAL TEMP 34 1.0 ML
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	58.6	6.6	US
UNKNOWN	4	171.8	10.7	US
UNKNOWN	6	424.4	8.5	US
UNKNOWN	7	461.2	13.3	US
UNKNOWN	8	549.1	3.0	US

Shot another 5ppm BTEX Std. by mistake

Good replication though!

Use this for Response Factors

SOIL GAS CALIBRATION RESPONSE FACTORS: CHLORINATED

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/10/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD - 64D		Operator: Kenny Smith

Instrument Specs:

Type of GC:	Photovac 10S50
Column Type:	CPSil - 5
Col. Temp. (°C):	30° ± 5°
Chart Speed:	1 cm/min
Gain:	5
Sensitivity:	5/10/4 mv/sec
Gas Flow Rate:	7
Tank Pressure:	1400/2200

Chlorinated Calibration Gas Specifications

Manfacturer:	Scott	Lot#:
Concentration (ppmV):		100
Concentration: (ppmV)	Vinyl Chloride	99.6
	1,1–dichloroethene	98.4
	Trichloroethene	102.0

Analysis A
Inj. #: 22

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF			
VC	16.7	5.1	3.1	1.65			
1,1–DCE	25.5	4.98	4.3	1.16			
TCE	88.3	4.92	10.8	0.46			

Comments: V=
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 23

A 0.4 ml injection of a 1 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF	Delta RF	RF avg.	
VC	16.8	2.04	1.3	1.57	0.012		
1,1–DCE	25.6	1.99	1.8	1.11	0.008		
TCE	88.5	1.97	5.0	0.39	0.041		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

V = 0.08/3.22/2 = 0.012
D = 0.05/2.96/2 = 0.008
T = 0.07/.85/2 = 0.041

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF	Delta RF	RF avg.	
VC							
1,1–DCE							
TCE							

Comments:
Concentration is normalized to 1 ml.

SOIL GAS CALIBRATION RESPONSE FACTORS: BTEX

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/10/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD - 64 D		Operator: Kerry Smith

Instrument Specs:		BTEX Calibration Gas Specifications		
Type of GC:	Photovac 10S50	Manfacturer:	Canaan	Lot#:
Column Type:	CPSil-5	Concentration (ppmV):		100
Col. Temp. (°C):	30° ± 5°	Concentration:	Benzene	98.6
Chart Speed:	1 cm/min	(ppmV)	Toluene	97.4
Gain:	5		Ethylbenzene	95.5
Sensitivity:	5/10/4 mv/sec		O–Xylene	94.5
Gas Flow Rate:	7		M–Xylene	95.0
Tank Pressure:	1300/2200		P–Xylene	93.0

Analysis A
Inj. #: 26

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF			
Benzene	58.6	4.93	6.6	0.75			
Toluene	171.8	4.87	10.7	0.46			
Ethylbenzene	424.4	4.77	8.5	0.56			
O–Xylene	461.2	4.73	13.3	0.36			
M–Xylene	↓	4.75	↓	↓			
P–Xylene	549.1	4.65	3.0	1.55			

Comments:
Concentration is normalized to 1 ml.

B - -0.07/1.57/2
T - -0.07/.99/2
E - 0.0/1.12/2
O+M - 0.01/.71/2
P - -0.86/3.96/2

Analysis B
Inj. #: 27

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene	58.9	1.97	2.4	0.82	-0.02		
Toluene	170.3	1.95	3.7	0.53	-0.04		
Ethylbenzene	418.1	1.91	3.4	0.56	0		
O–Xylene	455.6	1.89	5.4	0.35	0		
M–Xylene	↓	1.90	↓	↓	↓		
P–Xylene	542.1	1.86	.772 ticks	2.41	0.11		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene							
Toluene							
Ethylbenzene							
O–Xylene							
M–Xylene							
P–Xylene							

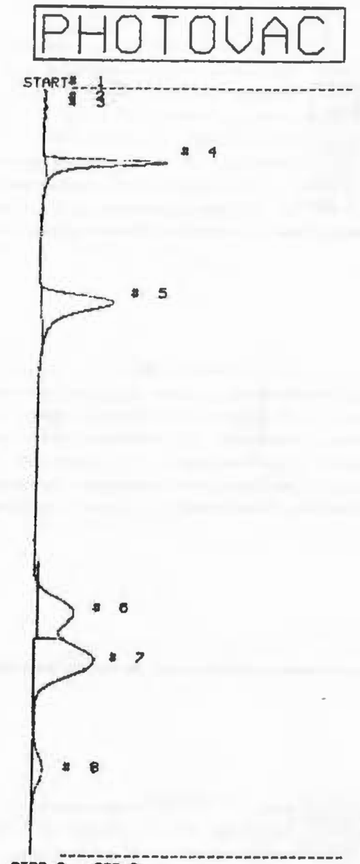
Comments:
Concentration is normalized to 1 ml.

PARSONS MAIN, INC. PARSONS

CLIENT Acoe JOB NO. SHEET 8 OF 19

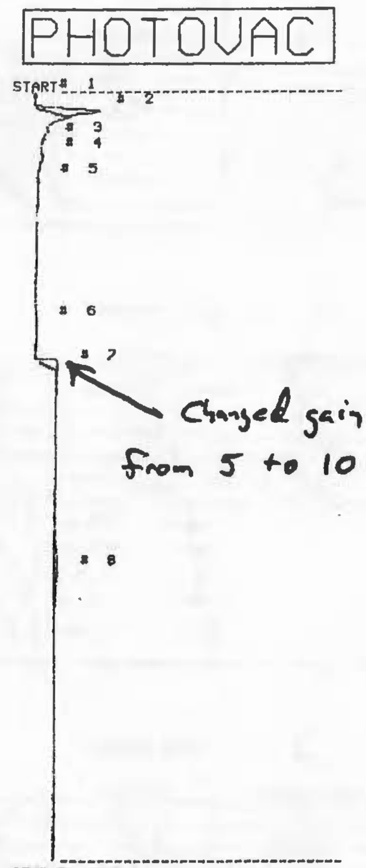
SUBJECT BY KKS DATE 6/10/94

CKD. REVISION



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 11:18
ANALYSIS # 27 5 PPM BTEX STD
INTERNAL TEMP 34 0.4 ML
GAIN 5 SYR N

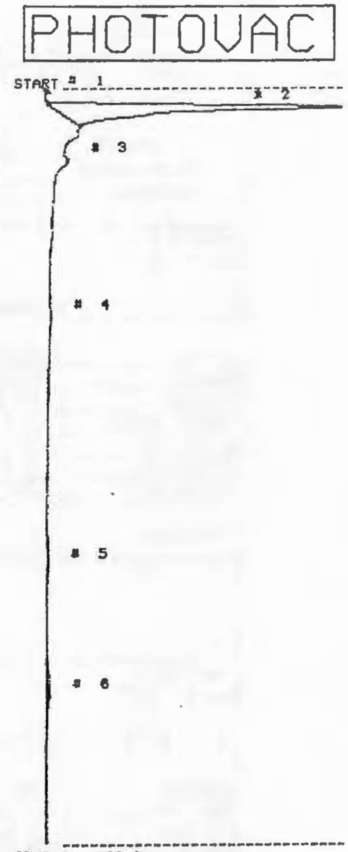
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	4	58.9	2.4 VS
UNKNOWN	5	170.3	3.7 VS
UNKNOWN	6	418.1	3.4 VS
UNKNOWN	7	455.6	5.4 VS
UNKNOWN	8	542.1	772.1 mVS



Changed gain from 5 to 10

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 11:30
ANALYSIS # 28 SGL33-46
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	585.7 mVS
UNKNOWN	7	214.9	170.3 mVS
UNKNOWN	8	376.1	208.2 mVS



STOP @ 589.2
SAMPLE LIBRARY 1 JUN 10 94 11:40
ANALYSIS # 29 SGL33-47
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR D

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.4	5.9 VS
UNKNOWN	6	474.0	270.5 mVS

KKS ~~5~~ 2 ppm BTEX Std.

SGL33-46

SGL33-47

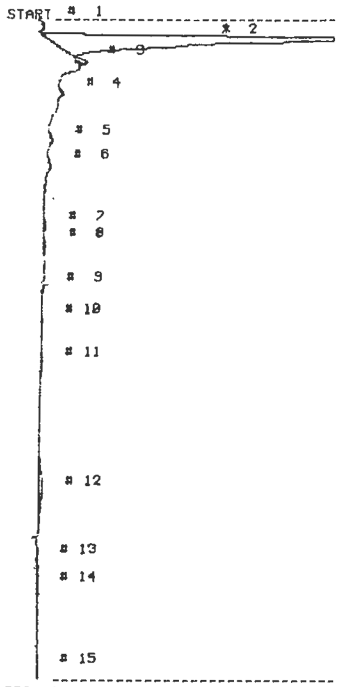
PARSONS MAIN, INC. **PARSONS**

CLIENT Acoe JOB NO. SHEET 9 OF 19

SUBJECT BY KKS DATE 6/10/94

CKD. REVISION

PHOTOVAC



STOP @ 516.7
SAMPLE LIBRARY 1 JUN 10 94 11:49
ANALYSIS # 30 SGL33-48
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.6	8.6 US
UNKNOWN	12	370.5	312.5 mUS

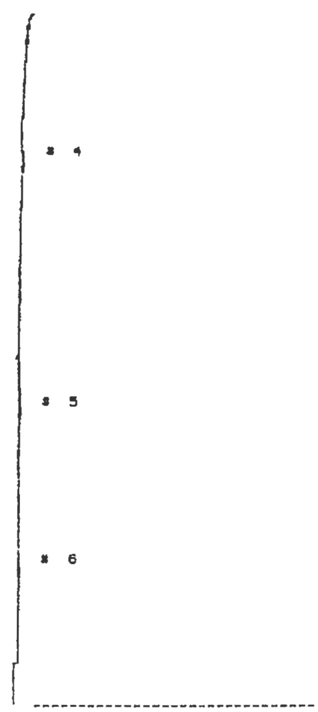
SGL33-48

PHOTOVAC

JUN 10 94 11:51

FIELD: 30
POWER: 37

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

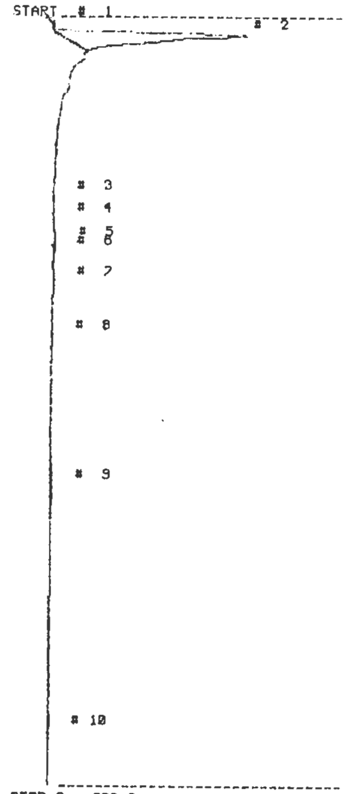


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 12:0
ANALYSIS # 31 SGL33-49
INTERNAL TEMP 34 1.0 ML
GAIN 10 STR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.4	2.4 US
UNKNOWN	3	19.3	1.6 US

SGL33-49

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 12:12
ANALYSIS # 32 SGL33-50
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	3.8 US
UNKNOWN	9	367.7	139.6 mUS

SGL33-50

PARSONS MAIN, INC. **PARSONS**

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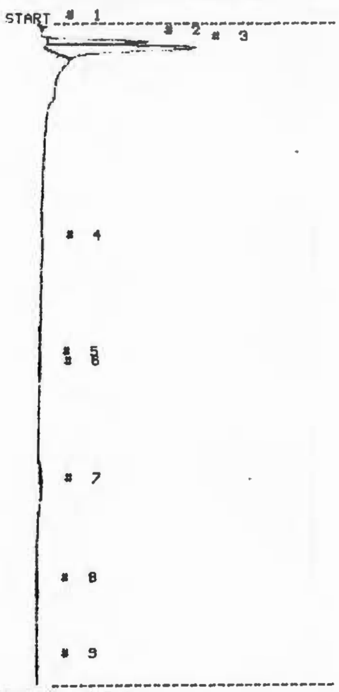
PHOTOVAC

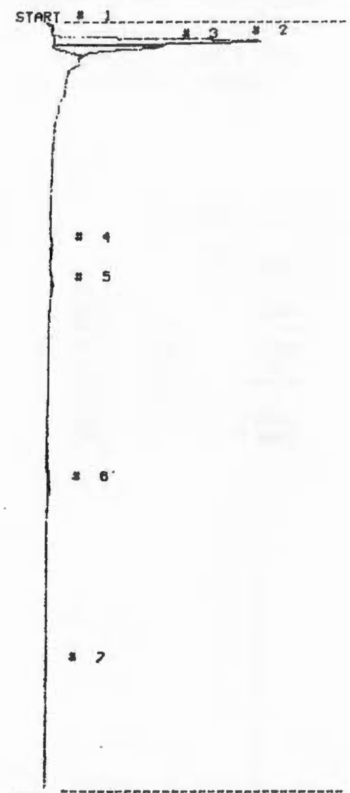


STOP @ 517.4
SAMPLE LIBRARY 1 JUN 10 94 12:22
ANALYSIS # 33 SGL33-51
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.1	1.3	VS
UNKNOWN	3	20.1	2.3	VS

SGL33-51

PHOTOVAC

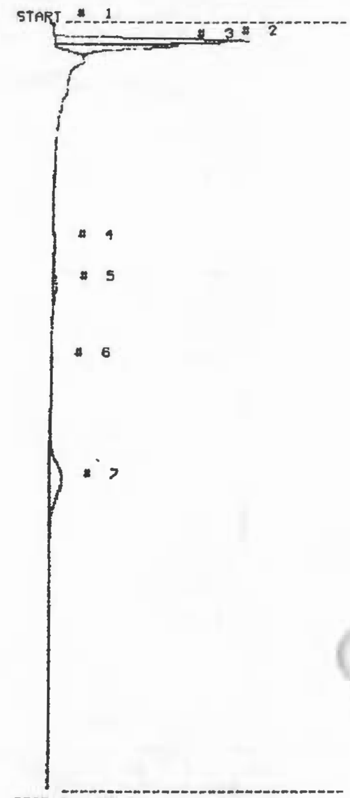


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 12:33
ANALYSIS # 34 SGL33-52
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR K

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.2	2.8	VS
UNKNOWN	3	19.6	1.2	VS

SGL33-52

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 12:51
ANALYSIS # 35 SGL29-53
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR L

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.2	2.5	VS
UNKNOWN	3	19.6	1.5	VS
UNKNOWN	5	208.9	105.5	mVS
UNKNOWN	7	362.8	1.1	VS

SGL29-53

PARSONS MAIN, INC. PARSONS

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PHOTOVAC

START # 1

2

Z-air Blk
Syr. K

STOP @ 203.7
SAMPLE LIBRARY 1 JUN 10 94 12:56
ANALYSIS # 36 ~~SGL29-53~~ Syr Blk
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR ~~L~~ K

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START
STOP @ 0.0
SAMPLE LIBRARY 1 JUN 10 94 12:57
ANALYSIS # 37 SGL29-53
INTERNAL TEMP 36 1.0 ML
GAIN 10 STR L

COMPOUND NAME PEAK R.T. AREA/PPM

OOPS

PHOTOVAC

START # 1

2
3
4

Z-air Blk
Syr. E

5

STOP @ 271.6
SAMPLE LIBRARY 1 JUN 10 94 13: 1
ANALYSIS # 38 Z AIR BLK
INTERNAL TEMP 36 3.0 ML INJ
GAIN 10 ~~F~~ E

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk
Syr. J

STOP @ 229.0
SAMPLE LIBRARY 1 JUN 10 94 13: 6
ANALYSIS # 39 Z AIR BLK
INTERNAL TEMP 37 1.0 ML INJ
GAIN 10 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-air Blk
Syr D

2
3

STOP @ 195.3
SAMPLE LIBRARY 1 JUN 10 94 13: 9
ANALYSIS # 40 Z AIR BLK
INTERNAL TEMP 37 1.0 ML INJ
GAIN 10 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1
2

Z-Air Blk
Syr. C

STOP @ 89.5
SAMPLE LIBRARY 1 JUN 10 94 13:11
ANALYSIS # 41 Z AIR BLK
INTERNAL TEMP 39 1.0 ML INJ
GAIN 10 SYR C

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z Air Blk
Syr. A

STOP @ 147.2
SAMPLE LIBRARY 1 JUN 10 94 13:14
ANALYSIS # 42 Z AIR BLK
INTERNAL TEMP 39 1.0 ML INJ
GAIN 10 SYR A

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk
Syr M

STOP @ 116.5
SAMPLE LIBRARY 1 JUN 10 94 13:16
ANALYSIS # 43 Z AIR BLK
INTERNAL TEMP 40 1.0 ML INJ
GAIN 10 STR M

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk
Syr L

2

Changed Septum

3

STOP @ 388.8
SAMPLE LIBRARY 1 JUN 10 94 13:23
ANALYSIS # 44 Z AIR BLK
INTERNAL TEMP 37 1.0 ML INJ
GAIN 10 STR L

COMPOUND NAME PEAK R.T. AREA/PPM

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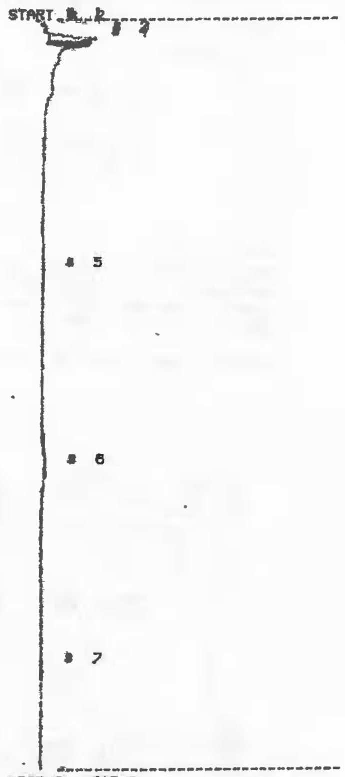
PHOTOVAC

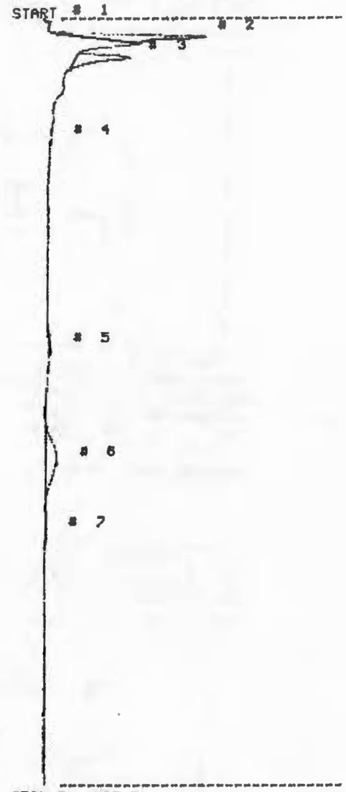


STOP @ 587.0
SAMPLE LIBRARY 1 JUN 10 94 13:46
ANALYSIS # 45 SGL29-54
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	16.0	591.0 mVS
UNKNOWN	4	19.6	161.9 mVS

SGL29-54

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 13:58
ANALYSIS # 46 SGL29-55
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR F

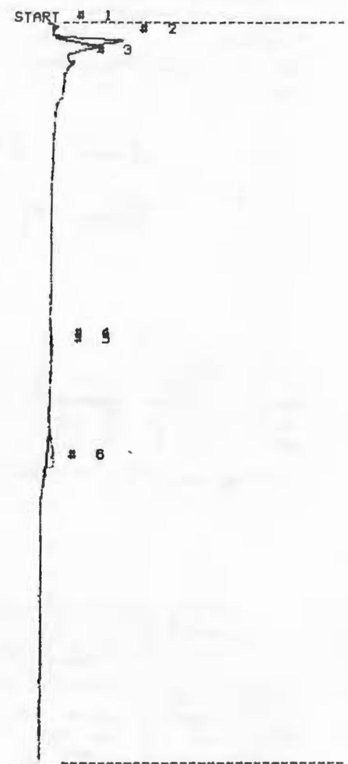
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	1.1 VS
UNKNOWN	3	31.6	876.0 mVS
UNKNOWN	6	349.1	1.1 VS

SGL29-55

?

What is it

PHOTOVAC



STOP @ 578.5
SAMPLE LIBRARY 1 JUN 10 94 14:8
ANALYSIS # 47 SGL29-56
INTERNAL TEMP 36 1.0 ML INJ
GAIN 10 SYR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	459.6 mVS
UNKNOWN	6	347.9	435.1 mVS

SGL29-56

PARSONS MAIN, INC. PARSONS

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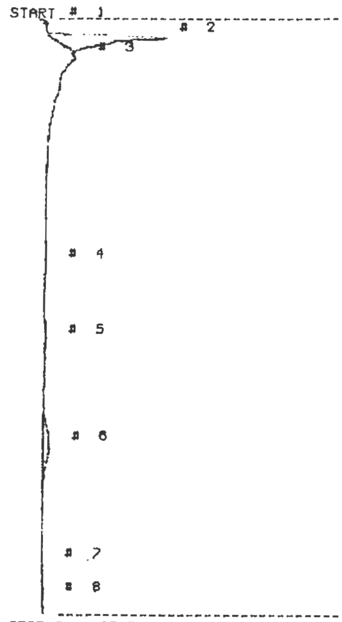
PHOTOVAC



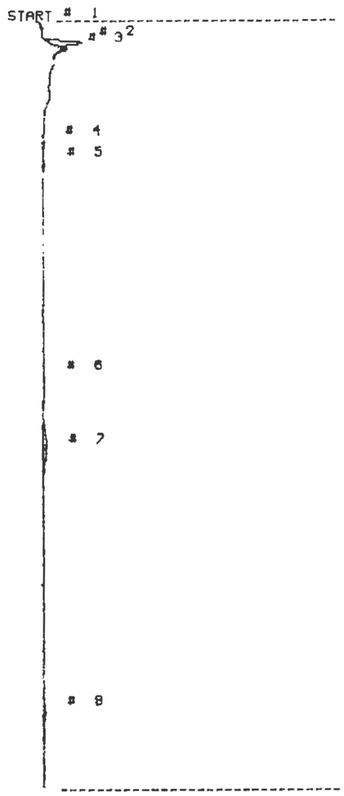

```
STOP @   467.5
SAMPLE LIBRARY 1  JUN 10   94  14:17
ANALYSIS #    48   SGL29-58
INTERNAL TEMP 36   1.0 ML INJ
GAIN          10   SYR I

COMPOUND NAME   PEAK  R.T.  AREA/PPM

UNKNOWN           2   16.6    2.0  VS
UNKNOWN           6  337.1  558.8 mVS
```

SGL29-58

PHOTOVAC



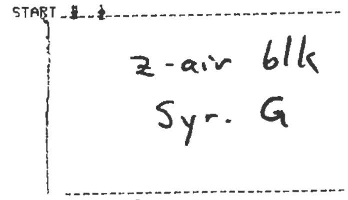

```
STOP @   600.0
SAMPLE LIBRARY 1  JUN 10   94  14:27
ANALYSIS #    49   SGL29-59
INTERNAL TEMP 36   1.0 ML INJ
GAIN          10   SYR M

COMPOUND NAME   PEAK  R.T.  AREA/PPM

UNKNOWN           2   17.4  274.2 mVS
UNKNOWN           7  335.9  258.2 mVS
```

SGL29-59

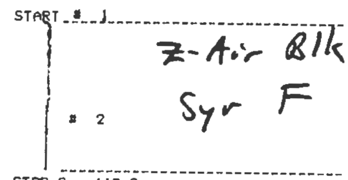
PHOTOVAC




```
STOP @   139.0
SAMPLE LIBRARY 1  JUN 10   94  14:39
ANALYSIS #    50   Z AIR BLK
INTERNAL TEMP 38   1.0 ML INJ
GAIN          10   SYR G

COMPOUND NAME   PEAK  R.T.  AREA/PPM
```

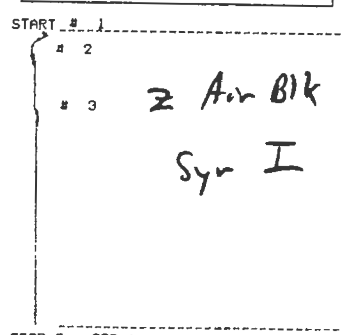
PHOTOVAC




```
STOP @   116.3
SAMPLE LIBRARY 1  JUN 10   94  14:41
ANALYSIS #    51   Z AIR BLK
INTERNAL TEMP 39   1.0 ML INJ
GAIN          10   SYR F

COMPOUND NAME   PEAK  R.T.  AREA/PPM
```

PHOTOVAC




```
STOP @   230.1
SAMPLE LIBRARY 1  JUN 10   94  14:45
ANALYSIS #    52   Z AIR BLK
INTERNAL TEMP 38   1.0 ML INJ
GAIN          10   SYR I

COMPOUND NAME   PEAK  R.T.  AREA/PPM
```

PARSONS MAIN, INC. **PARSONS**

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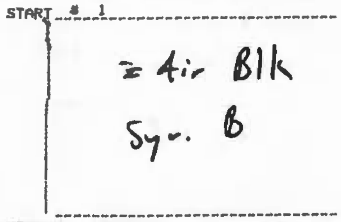
PHOTOVAC



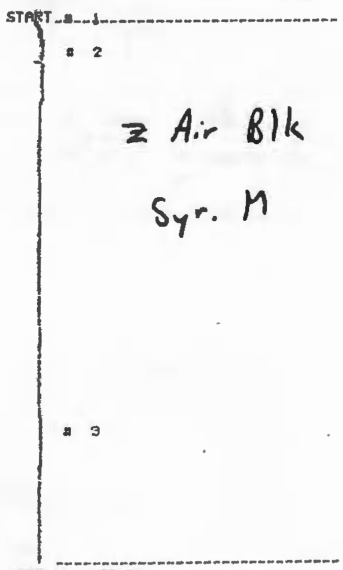
z Air Blk

Syr. B

STOP @ 154.4
SAMPLE LIBRARY 1 JUN 10 94 14:48
ANALYSIS # 53 Z AIR BLK
INTERNAL TEMP 39 1.0 ML INJ
GAIN 10 SYR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC



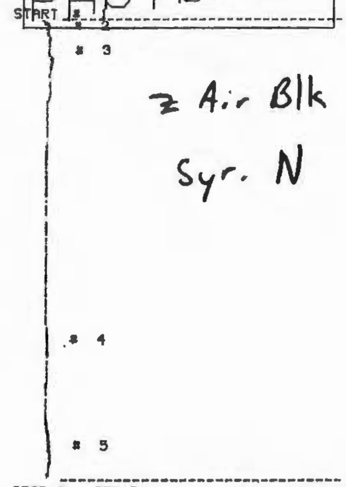
z Air Blk

Syr. M

STOP @ 420.8
SAMPLE LIBRARY 1 JUN 10 94 14:55
ANALYSIS # 54 Z AIR BLK
INTERNAL TEMP 38 1.0 ML INJ
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC



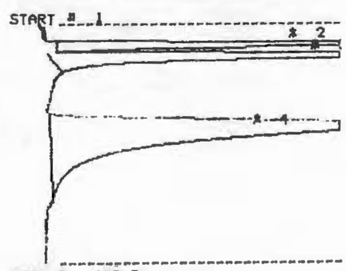
z Air Blk

Syr. N

STOP @ 359.7
SAMPLE LIBRARY 1 JUN 10 94 15:39
ANALYSIS # 55 Z AIR BLK
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC



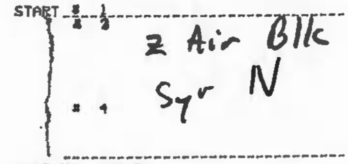
STOP @ 188.0
SAMPLE LIBRARY 1 JUN 10 94 15:42
ANALYSIS # 56 5 PPM CHLOR STD
INTERNAL TEMP 37 1.0 ML INJ
GAIN 10 STR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	17.0	5.8	US
UNKNOWN	3	25.5	9.3	US
UNKNOWN	4	81.3	22.8	US

5 ppm Chlor Std

Gain 10

PHOTOVAC



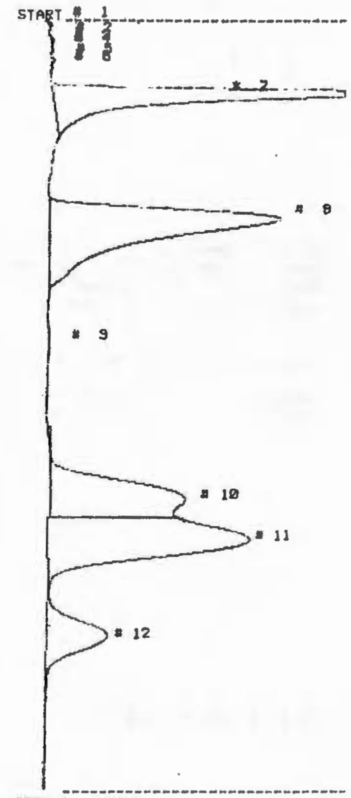
z Air Blk

Syr N

STOP @ 114.9
SAMPLE LIBRARY 1 JUN 10 94 15:45
ANALYSIS # 57 Z AIR BLK
INTERNAL TEMP 38 1.0 ML INJ
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 15:55
ANALYSIS # 58 5 PPM BTEX STD
INTERNAL TEMP 36 1.0 ML INJ
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	7	58.2	13.8	US
UNKNOWN	8	157.4	19.2	US
UNKNOWN	10	379.6	11.9	US
UNKNOWN	11	411.1	19.8	US
UNKNOWN	12	488.7	4.8	US

5 ppm BTEX Std

PARSONS MAIN, INC. PARSONS

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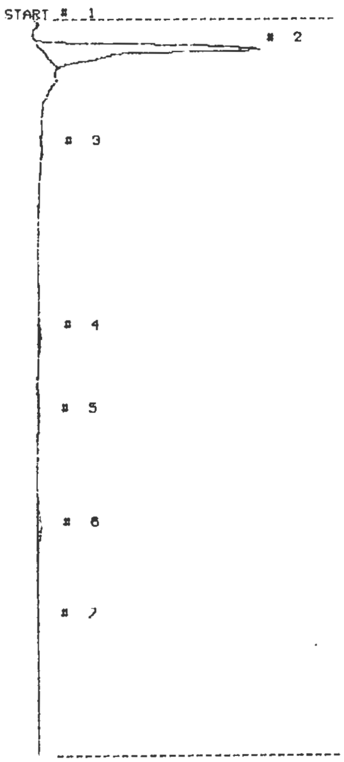
PHOTOVAC

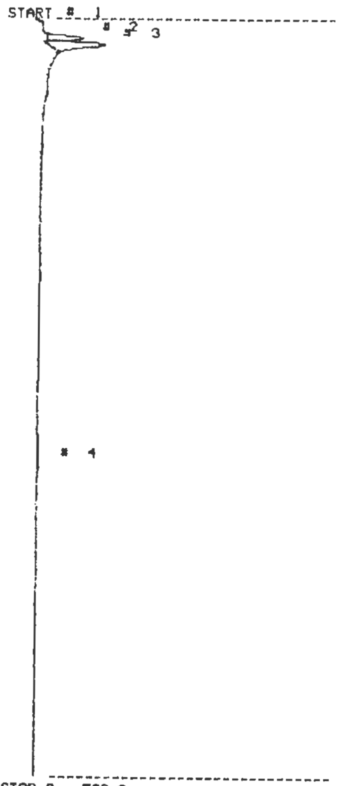


STOP @ 576.3
SAMPLE LIBRARY 1 JUN 10 94 16: 8
ANALYSIS # 59 SGL29-60
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR L

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	24.7	5.3 VS
UNKNOWN	6	404.8	266.8 mVS

SGL29-60

PHOTOVAC

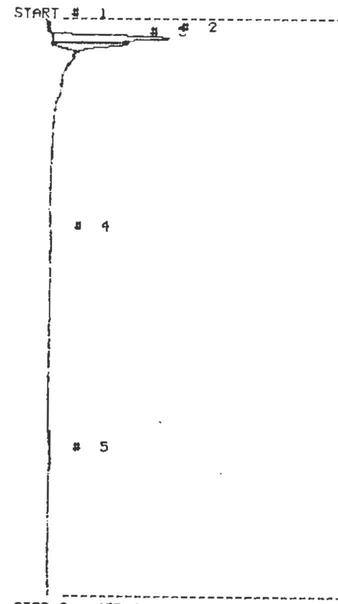


STOP @ 593.8
SAMPLE LIBRARY 1 JUN 10 94 16:18
ANALYSIS # 60 SGL29-61
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.8	528.6 mVS
UNKNOWN	3	21.9	848.9 mVS

SGL29-61

PHOTOVAC



STOP @ 450.4
SAMPLE LIBRARY 1 JUN 10 94 16:26
ANALYSIS # 61 SGL29-62
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.6	1.6 VS
UNKNOWN	3	20.3	587.5 mVS

SGL29-62

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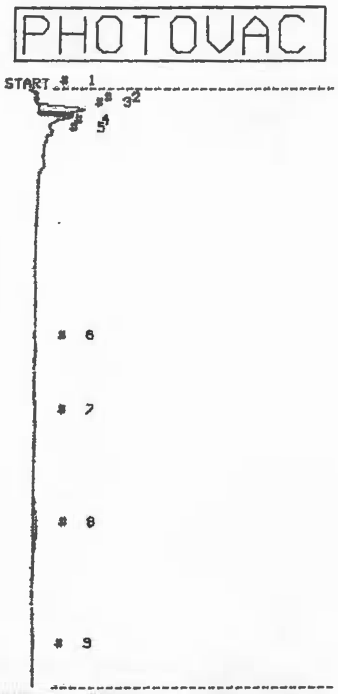
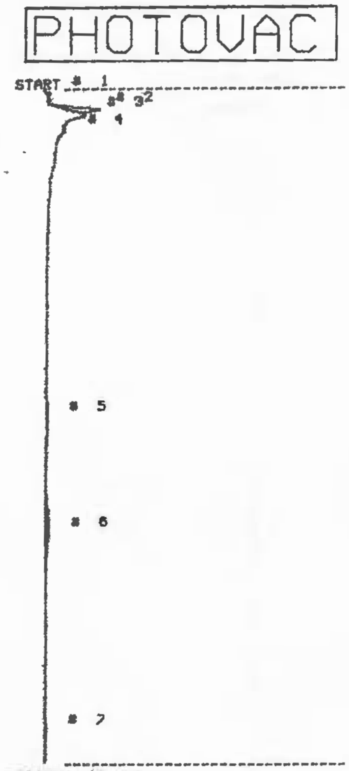


STOP @ 460.1
SAMPLE LIBRARY 1 JUN 10 94 16:34
ANALYSIS # 62 SGL29-63
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
~~UNKNOWN~~	2	16.8	688.2 mUS
UNKNOWN	3	20.4	115.5 mUS
UNKNOWN	8	349.7	317.3 mUS

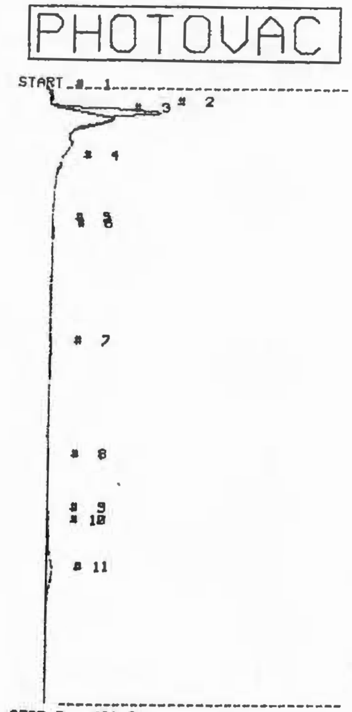
SGL29-63



STOP @ 527.2
SAMPLE LIBRARY 1 JUN 10 94 16:43
ANALYSIS # 63 SGL29-64
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR D

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	17.1	259.2 mUS
UNKNOWN	6	347.9	242.3 mUS

SGL29-64



STOP @ 481.6
SAMPLE LIBRARY 1 JUN 10 94 16:51
ANALYSIS # 64 SGL29-65
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	20.1	1.1 US
UNKNOWN	11	383.8	331.6 mUS

SGL29-65

PARSONS MAIN, INC. PARSONS

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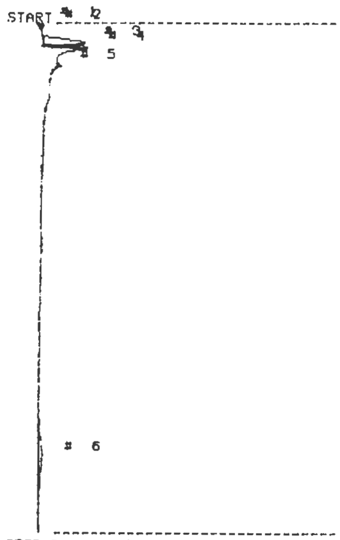
PHOTOVAC

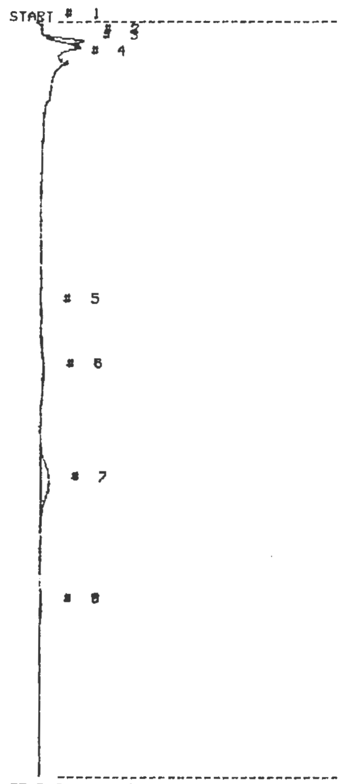


STOP @ 400.3
SAMPLE LIBRARY 1 JUN 10 94 16:58
ANALYSIS # 65 SGL29-66
INTERNAL TEMP 36 1.0 ML INJ
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	16.6	605.0 mVS
UNKNOWN	4	20.4	104.0 mVS
UNKNOWN	6	341.5	283.1 mVS

SGL29-66

PHOTOVAC

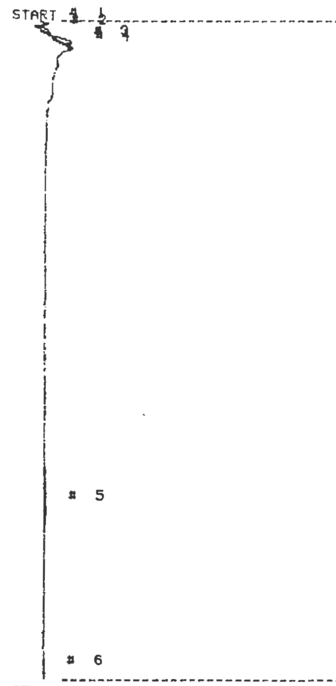


STOP @ 589.7
SAMPLE LIBRARY 1 JUN 10 94 17: 9
ANALYSIS # 66 SGL29-67
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	220.9 mVS
UNKNOWN	7	364.2	910.0 mVS

SGL25-67

PHOTOVAC



STOP @ 514.6
SAMPLE LIBRARY 1 JUN 10 94 17:18
ANALYSIS # 67 SGL29-68
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	17.6	118.1 mVS
UNKNOWN	5	380.3	145.9 mVS

SGL29-68

PARSONS MAIN, INC. PARSONS

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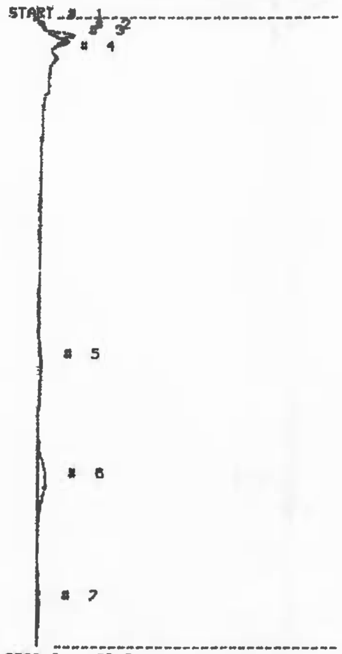
PHOTOVAC

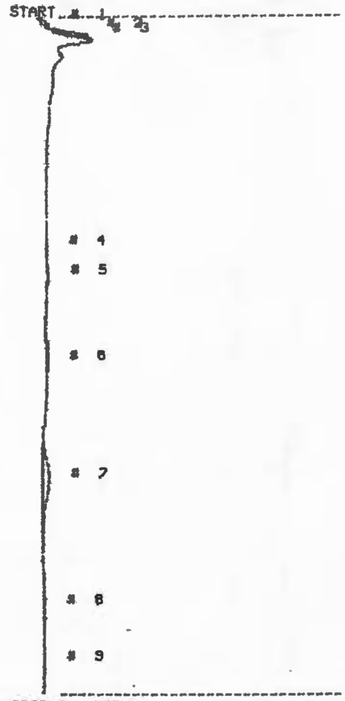


STOP @ 493.0
SAMPLE LIBRARY 1 JUN 10 94 17:31
ANALYSIS # 68 SGL25-68
INTERNAL TEMP 34 1.0 ML INJ
GAIN 10 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.3	214.9 mVS
UNKNOWN	6	387.0	278.1 mVS
UNKNOWN	7	462.8	156.3 mVS

SGL25-69

PHOTOVAC

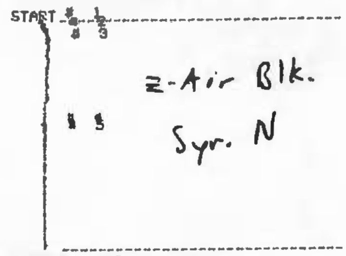


STOP @ 530.0
SAMPLE LIBRARY 1 JUN 10 94 17:40
ANALYSIS # 69 SGL25-70
INTERNAL TEMP 34 1.0 ML INJ
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	104.4 mVS
UNKNOWN	7	387.7	333.3 mVS

SGL25-70

PHOTOVAC

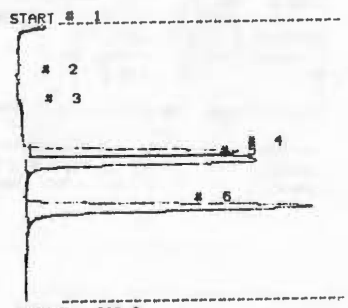


z-Air Blk.
Syr. N

STOP @ 178.2
SAMPLE LIBRARY 1 JUN 10 94 17:43
ANALYSIS # 70 Z AIR BLK
INTERNAL TEMP 35 1.0 ML INJ
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 218.2
SAMPLE LIBRARY 1 JUN 10 94 17:49
ANALYSIS # 71 5 PPM CHLOR STD
INTERNAL TEMP 36 1.0 ML INJ
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	4	104.1	3.2 US
UNKNOWN	5	111.1	5.4 US
UNKNOWN	6	148.1	5.7 US

Replaced septum
Tried Green Again
Blew out Injection Port

Leaky septum

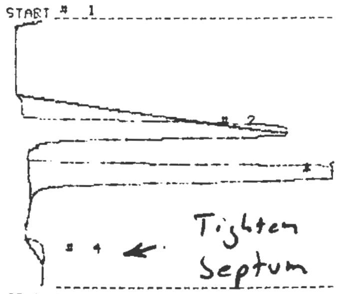
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. ______ SHEET 19 OF 19

SUBJECT: ______ BY: KKS DATE: 6/10/94

CKD. ______ REVISION ______

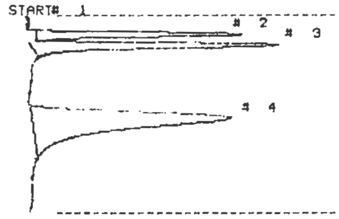
PHOTOVAC



STOP @ 218.6
SAMPLE LIBRARY 1 JUN 10 94 17:55
ANALYSIS # 72 5 PPM CHLOR STD
INTERNAL TEMP 36 1.0 ML INJ
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	122.2	22.1	VS
UNKNOWN	4	189.3	363.3	*VS

PHOTOVAC

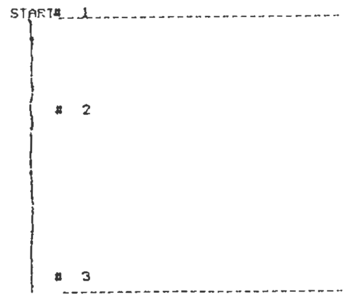


STOP @ 154.7
SAMPLE LIBRARY 1 JUN 10 94 18: 2
ANALYSIS # 74 5 PPM CHLOR STD
INTERNAL TEMP 37 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.8	2.9	VS
UNKNOWN	3	25.0	4.0	VS
UNKNOWN	4	82.9	9.2	VS

5 ppm Std - Chlor
Gain - 5

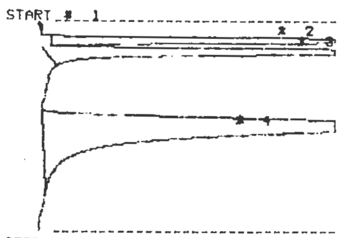
PHOTOVAC



STOP @ 214.5
SAMPLE LIBRARY 1 JUN 10 94 18: 6
ANALYSIS # 75 @ AIR BLK
INTERNAL TEMP 37 1.0 ML INJ
GAIN 5 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



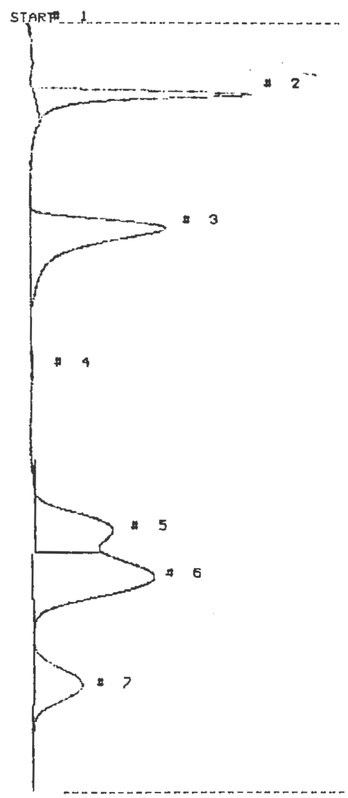
STOP @ 164.5
SAMPLE LIBRARY 1 JUN 10 94 17:59
ANALYSIS # 73 5 PPM CHLOR STD
INTERNAL TEMP 37 1.0 ML INJ
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.1	6.4	VS
UNKNOWN	3	24.8	8.4	VS
UNKNOWN	4	83.2	24.7	VS

5 ppm Std - Chlor
Gain - 10

END of Day

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 10 94 18:17
ANALYSIS # 76 5 PPM BTEX STD
INTERNAL TEMP 35 1.0 ML INJ
GAIN 5 STR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	57.0	5.5	VS
UNKNOWN	3	164.0	9.4	VS
UNKNOWN	5	403.4	7.3	VS
UNKNOWN	6	440.4	13.0	VS
UNKNOWN	7	525.6	4.2	VS

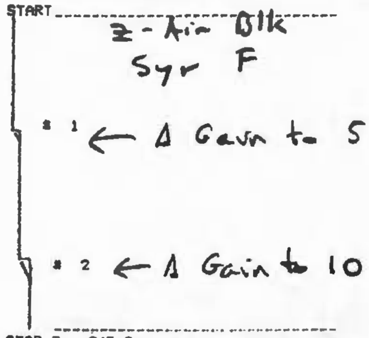
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ____ SHEET 1 OF 18

SUBJECT ____ BY PFM DATE 6/11/94

CKD. ____ REVISION ____

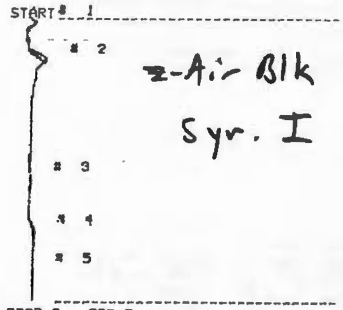
PHOTOVAC



STOP @ 245.6
SAMPLE LIBRARY 1 JUN 11 94 7:10
ANALYSIS # 1 Z AIR BLK
INTERNAL TEMP 29 1.0 ML INJ
GAIN 10 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	205.3	217.5 mVS

PHOTOVAC

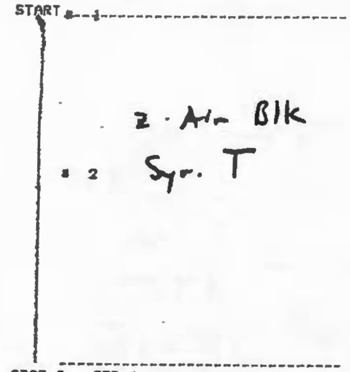


STOP @ 220.7
SAMPLE LIBRARY 1 JUN 11 94 7:14
ANALYSIS # 2 Z AIR BLK
INTERNAL TEMP 29 1.0 ML INJ
GAIN 10 SYR I

COMPOUND NAME PEAK R.T. AREA/PPM

green septum = plugged syr on inj. (Δ to white septum) →

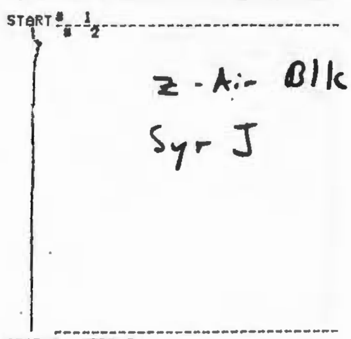
PHOTOVAC



STOP @ 270.4
SAMPLE LIBRARY 1 JUN 11 94 7:18
ANALYSIS # 3 Z AIR BLK
INTERNAL TEMP 30 1.0 ML INJ
GAIN 10 SYR T

COMPOUND NAME PEAK R.T. AREA/PPM

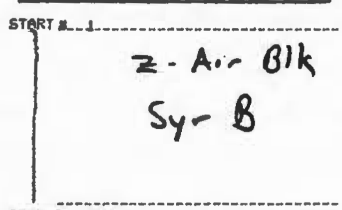
PHOTOVAC



STOP @ 238.3
SAMPLE LIBRARY 1 JUN 11 94 7:25
ANALYSIS # 4 Z AIR BLK
INTERNAL TEMP 31 1.0 ML INJ
GAIN 10 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

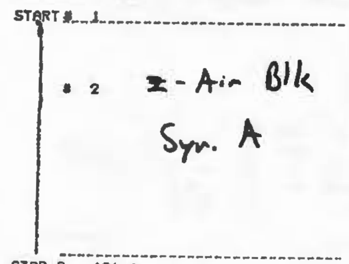
PHOTOVAC



STOP @ 136.1
SAMPLE LIBRARY 1 JUN 11 94 7:27
ANALYSIS # 5 Z AIR BLK
INTERNAL TEMP 32 1.0 ML INJ
GAIN 10 SYR B

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 181.4
SAMPLE LIBRARY 1 JUN 11 94 7:31
ANALYSIS # 6 Z AIR BLK
INTERNAL TEMP 32 1.0 ML INJ
GAIN 10 SYR A

COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. SHEET 2 OF 18

SUBJECT BY KKS DATE 6/11/94

CKD. REVISION

PHOTOVAC

START # 1

Z-Air Blk

Syr. L

STOP @ 152.9
SAMPLE LIBRARY 1 JUN 11 94 7:34
ANALYSIS # 7 Z AIR BLK
INTERNAL TEMP 33 1.0 ML INJ
GAIN 10 SYR L

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk

Syr. E

\# 2

\# 3

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 7:44
ANALYSIS # 8 Z AIR BLK
INTERNAL TEMP 32 1.0 ML INJ
GAIN 10 SYR E

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk

Syr. H

STOP @ 176.5
SAMPLE LIBRARY 1 JUN 11 94 7:48
ANALYSIS # 9 Z AIR BLK
INTERNAL TEMP 33 1.0 ML INJ
GAIN 10 SYR H

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z Air Blk

Syr C

\# 2

STOP @ 184.4
SAMPLE LIBRARY 1 JUN 11 94 7:52
ANALYSIS # 10 Z AIR BLK
INTERNAL TEMP 33 1.0 ML INJ
GAIN 10 SYR C

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk

Syr D

STOP @ 159.6
SAMPLE LIBRARY 1 JUN 11 94 7:54
ANALYSIS # 11 Z AIR BLK
INTERNAL TEMP 34 1.0 ML INJ
GAIN 10 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk

Syr G

STOP @ 295.7
SAMPLE LIBRARY 1 JUN 11 94 8:0
ANALYSIS # 12 Z AIR BLK
INTERNAL TEMP 34 1.0 ML INJ
GAIN 10 SYR G

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

\# 3

Z-Air Blk

Syr Q

for Chlor. Std

Prep.

STOP @ 312.6
SAMPLE LIBRARY 1 JUN 11 94 8:11
ANALYSIS # 13 Z AIR BLK
INTERNAL TEMP 33 1.0 ML INJ
GAIN 10 SYR Q

COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. **PARSONS**

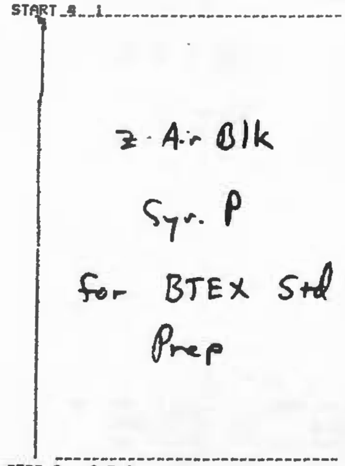
CLIENT ACOE JOB NO. ______ SHEET 3 OF 18

SUBJECT ______ BY KKS DATE 6/11/94

CKD. ______ REVISION ______

PHOTOVAC

START # 1



Z-Air Blk

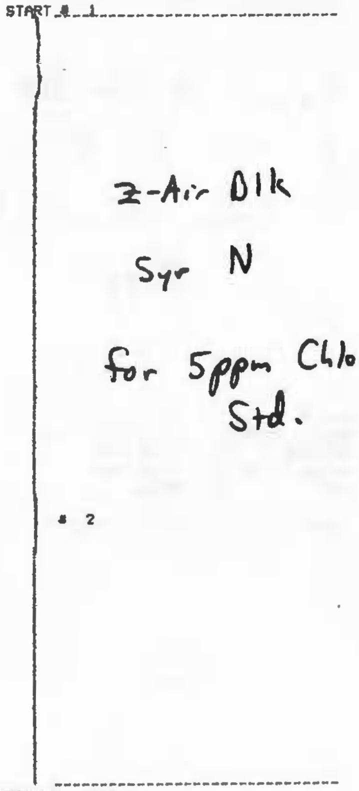
Syr. P

for BTEX Std Prep

STOP @ 347.8
SAMPLE LIBRARY 1 JUN 11 94 8:17
ANALYSIS # 14 Z AIR BLK
INTERNAL TEMP 33 1.0 ML INJ
GAIN 10 SYR P

PHOTOVAC

START # 1



Z-Air Blk

Syr N

for 5ppm Chlor Std.

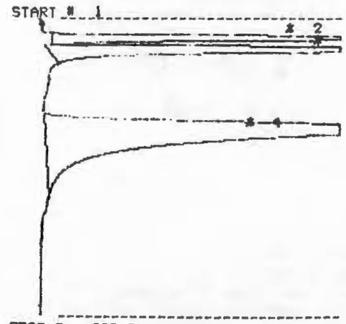
\# 2

STOP @ 597.5
SAMPLE LIBRARY 1 JUN 11 94 8:27
ANALYSIS # 15 Z AIR BLK
INTERNAL TEMP 33 1.0 ML INJ
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



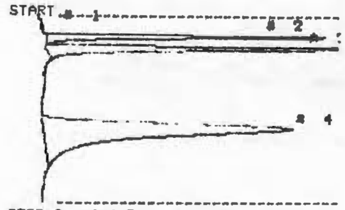
STOP @ 233.6
SAMPLE LIBRARY 1 JUN 11 94 8:39
ANALYSIS # 16 5 PPM CHLOR STD
INTERNAL TEMP 33 1.0 ML INJ
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.3	5.6	VS
UNKNOWN	3	25.2	8.7	VS
UNKNOWN	4	87.7	23.5	VS

5 ppm Chlor. Std

PHOTOVAC

START # 1



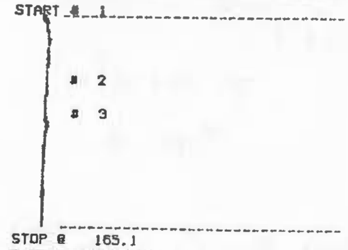
STOP @ 144.7
SAMPLE LIBRARY 1 JUN 11 94 8:42
ANALYSIS # 17 5 PPM CHLOR STD
INTERNAL TEMP 34 0.4 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.9	2.4	VS
UNKNOWN	3	25.5	3.5	VS
UNKNOWN	4	88.7	9.3	VS

2 ppm Chlor Std by Volume

PHOTOVAC

START # 1



STOP @ 165.1
SAMPLE LIBRARY 1 JUN 11 94 8:45
ANALYSIS # 18 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

SOIL GAS CALIBRATION RESPONSE FACTORS: CHLORINATED

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/11/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD - 64D		Operator: Kerry Smith

Instrument Specs:

Type of GC:	Photovac 10550
Column Type:	CPSil 5
Col. Temp. (°C):	30° ± 5°
Chart Speed:	1 cm/min
Gain:	10
Sensitivity:	5X / 10 / 4 mv/sec
Gas Flow Rate:	7
Tank Pressure:	1400 / 1500

Chlorinated Calibration Gas Specifications

Manfacturer:	Scott	Lot#:
Concentration (ppmV):		100
Concentration: (ppmV)	Vinyl Chloride	99.6
	1,1–dichloroethene	98.4
	Trichloroethene	102.0

Analysis A
Inj. #: 16

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF			
VC	16.3	5.1	5.6	0.91			
1,1–DCE	25.2	4.98	8.7	0.57			
TCE	87.7	4.92	23.5	0.21			

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF	Delta RF	RF avg.	
VC	16.9	2.04	2.4	0.85	0.02		
1,1–DCE	25.5	1.99	3.5	0.57	0.0		
TCE	88.7	1.97	9.3	0.21	0.0		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

V = .06/1.76/2
D =
T =

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF	Delta RF	RF avg.	
VC							
1,1–DCE							
TCE							

Comments:
Concentration is normalized to 1 ml.

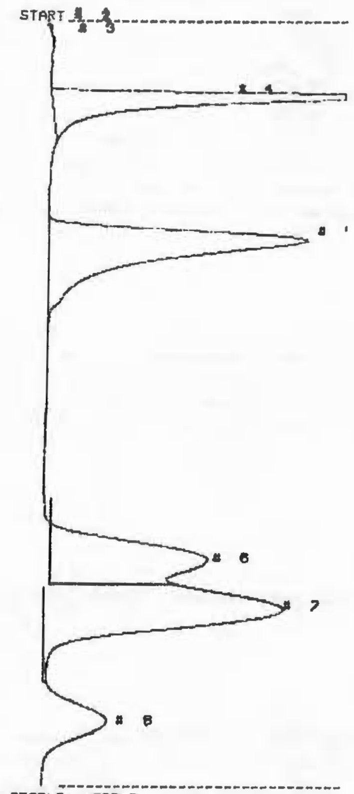
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. ______ SHEET 4 OF 18

SUBJECT ______ BY KKS DATE 6/11/94

CKD ______ REVISION ______

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 8:56
ANALYSIS # 19 5 PPM BTEX STD
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

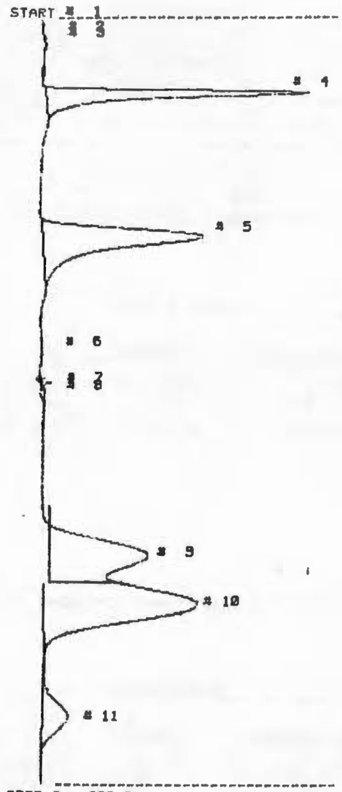
OFFSET 0.0 mV
CHART SPEED 1 cM/Min
SLOPE SENS. 5 10 4 mV/Sec
WINDOW +/- 1 Percent
MINIMUM AREA 100 mVSec
TIMER DELAY 10.0 Sec
ANALYSIS TIME 600.0 Sec
CYCLE TIME 0 Min

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	53.7	13.7	VS
UNKNOWN	5	173.9	20.1	VS
UNKNOWN	6	430.8	15.6	VS
UNKNOWN	7	468.4	25.8	VS

5 ppm BTEX Std

Lost P-Xylene -
turned up Trailer Heat
Repeat Injection

PHOTOVAC

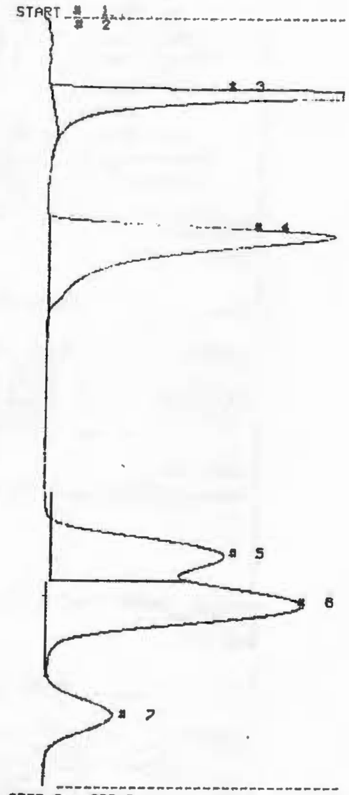


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 9:10
ANALYSIS # 21 5 PPM BTEX STD
INTERNAL TEMP 33 0.4 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	60.3	6.0	VS
UNKNOWN	5	173.9	9.0	VS
UNKNOWN	9	428.4	9.4	VS
UNKNOWN	10	466.0	14.7	VS
UNKNOWN	11	556.1	2.1	VS

2 ppm BTEX Std
by Volume

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 9:22
ANALYSIS # 22 5 PPM BTEX STD
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	60.0	15.7	VS
UNKNOWN	4	173.0	22.0	VS
UNKNOWN	5	427.8	17.2	VS
UNKNOWN	6	465.2	27.2	VS

5 ppm Btex Std

Still Missing P-Xylene

Increasing Events 31
to 75 seconds

PARSONS MAIN, INC. PARSONS

CLIENT ACOE	JOB NO.	SHEET 5 OF 18
SUBJECT	BY KKJ	DATE 6/11/94
	CKD.	REVISION

PHOTOVAC

JUN 11 94 9:24

FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC

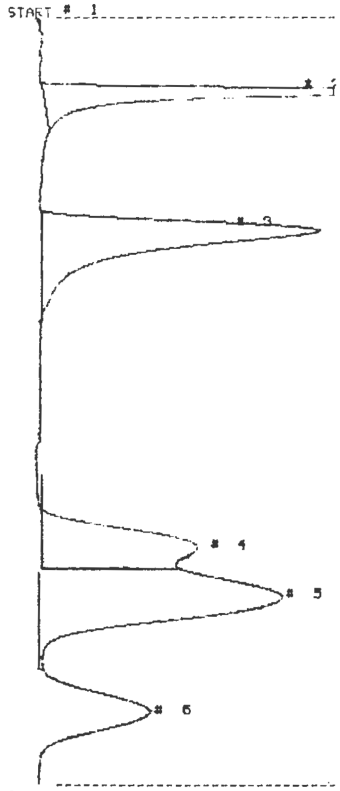
JUN 11 94 9:28

FIELD: 30
POWER: 35

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	75.0
EVENT 4	0.0	0.0
EVENT 5	10.0	75.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC

START # 1



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 9:39
ANALYSIS # 23 5 PPM BTEX STD
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	59.3	14.2	US
UNKNOWN	3	169.4	21.7	US
UNKNOWN	4	422.0	15.1	US
UNKNOWN	5	461.2	29.8	US

Increasing 3+5 to 90 sec.

PHOTOVAC

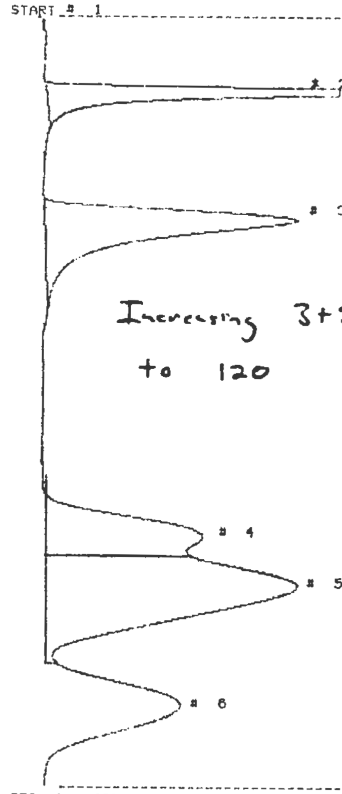
JUN 11 94 9:41

FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	90.0
EVENT 4	0.0	0.0
EVENT 5	10.0	90.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC

START # 1



Increasing 3+5 to 120

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 9:53
ANALYSIS # 24 5 PPM BTEX STD
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	53.1	12.5	US
UNKNOWN	3	161.3	19.3	US
UNKNOWN	4	411.8	14.4	US
UNKNOWN	5	450.8	37.9	US

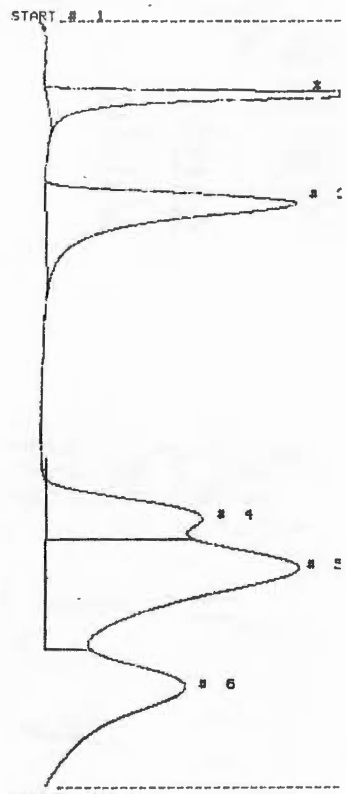
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO.: SHEET 6 OF 18

SUBJECT: BY: KKS DATE: 6/10/94

CKD.: REVISION:

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 10:7
ANALYSIS # 25 5 PPM BTEX STD
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
~~UNKNOWN~~	~~2~~	~~58.9~~	~~12.3~~	~~US~~
UNKNOWN	3	146.0	19.3	US
UNKNOWN	4	397.1	14.5	US
UNKNOWN	5	436.4	41.7	US

Things are getting too weird - returning events to original settings and changing septum, blowing out injection port.

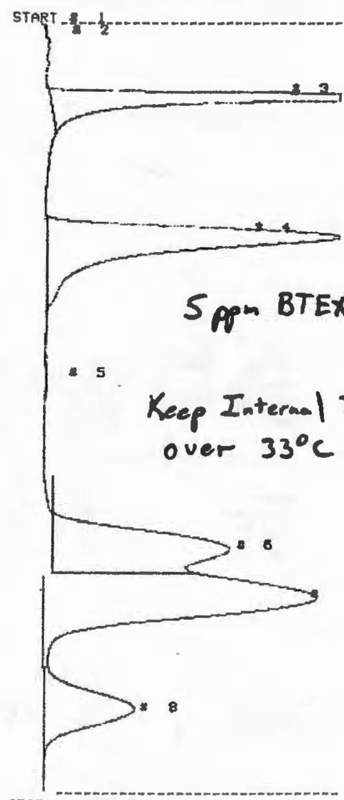
PHOTOVAC

JUN 11 94 10:13

FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC



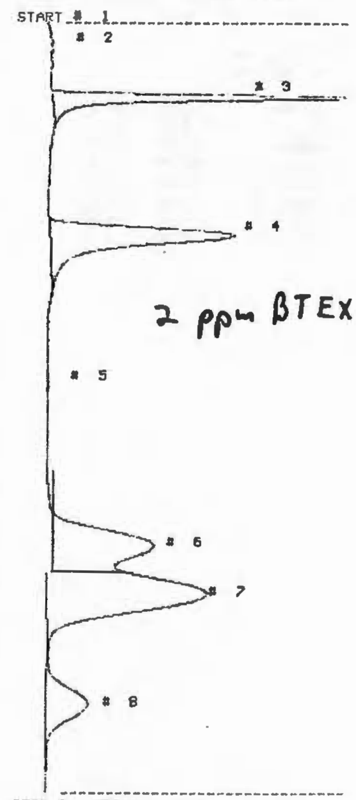
5 ppm BTEX Std.

Keep Internal Temp. over 33°C

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 10:24
ANALYSIS # 26 5 PPM BTEX STD
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	58.8	12.7	US
UNKNOWN	4	168.5	19.9	US
UNKNOWN	6	417.4	17.7	US
UNKNOWN	7	455.6	28.7	US
UNKNOWN	8	543.1	8.8	US

PHOTOVAC



2 ppm BTEX Std.

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 10:35
ANALYSIS # 27 5 PPM BTEX STD
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	58.0	5.8	US
UNKNOWN	4	168.5	9.3	US
UNKNOWN	6	414.6	9.5	US
UNKNOWN	7	453.2	15.3	US
UNKNOWN	8	540.1	3.4	US

SOIL GAS CALIBRATION RESPONSE FACTORS: BTEX

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/11/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD - 64D		Operator: Kerry Smith

Instrument Specs:		BTEX Calibration Gas Specifications		
Type of GC:	Photovac 10S50	Manfacturer:	Canaan	Lot#:
Column Type:	CPSil 5	Concentration (ppmV):		100
Col. Temp. (°C):	30° ± 5°C	Concentration: (ppmV)	Benzene	98.6
Chart Speed:	1 cm/sec		Toluene	97.4
Gain:	10		Ethylbenzene	95.5
Sensitivity:	~~CPSil 5~~ CB 5/10/4		O–Xylene	94.5
Gas Flow Rate:	7		M–Xylene	95.0
Tank Pressure:	1175/1400		P–Xylene	93.0

Analysis A
Inj. #: 26

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF			
Benzene	58.8	4.93	12.7	0.39			
Toluene	168.5	4.87	19.9	0.24			
Ethylbenzene	417.4	4.77	17.7	0.27			
O–Xylene	455.6	4.73	28.7	0.16			
M–Xylene	↓	4.75	↓	↓			
P–Xylene	543.1	4.65	8.8	0.53			

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 27

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
Benzene	58.0	1.97	5.8	0.33	0.04		
Toluene	168.5	1.95	9.3	0.21	0.03		
Ethylbenzene	414.6	1.91	9.5	0.20	0.07		
O–Xylene	453.2	1.89	15.3	0.12	0.07		
M–Xylene	↓	1.90	↓				
P–Xylene	540.1	1.86	3.4	0.55	0.00		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

B = .06/0.72/2
T = .03/.45/2
E = .07/.47/2
O+m = .04/.28/2
P = -.02/1.08/2

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
Benzene							
Toluene							
Ethylbenzene							
O–Xylene							
M–Xylene							
P–Xylene							

Comments:
Concentration is normalized to 1 ml.

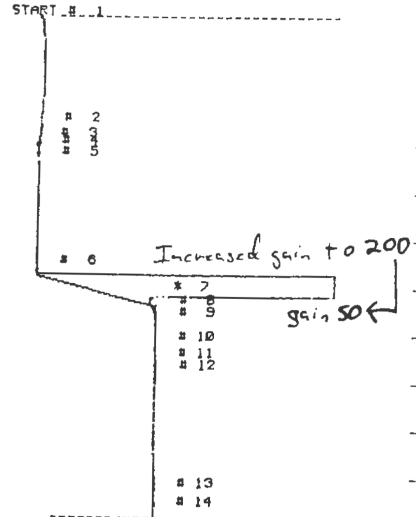
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE | JOB NO. 720518 | SHEET 8 OF 19

SUBJECT: Soil Gas SEAD 64D | BY: KKS | DATE 6/11/94

CKD. | REVISION

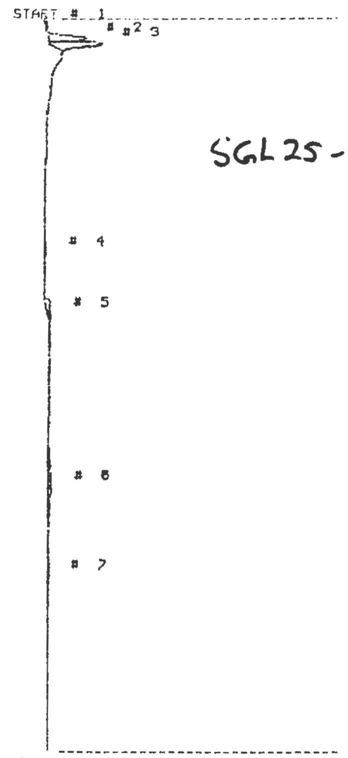
PHOTOVAC



STOP @ 392.9
SAMPLE LIBRARY 1 JUN 11 94 11: 3
ANALYSIS # 28 MW26-
INTERNAL TEMP 34 0.02 ML
GAIN 50 SYR R

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	7	212.8	13.5 VS

PHOTOVAC



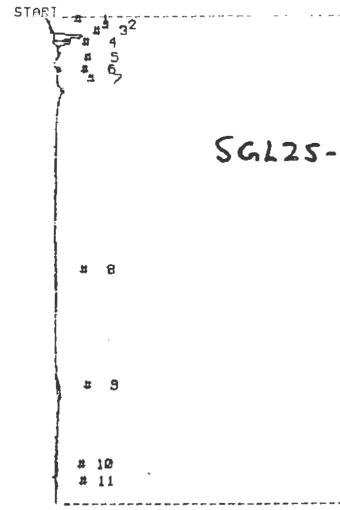
SGL25-71

STOP @ 573.5
SAMPLE LIBRARY 1 JUN 11 94 11:20
ANALYSIS # 30 SGL25-71
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.4	487.6 mVS
UNKNOWN	3	20.4	717.9 mVS
UNKNOWN	6	362.7	261.1 mVS

SGL25-71

PHOTOVAC

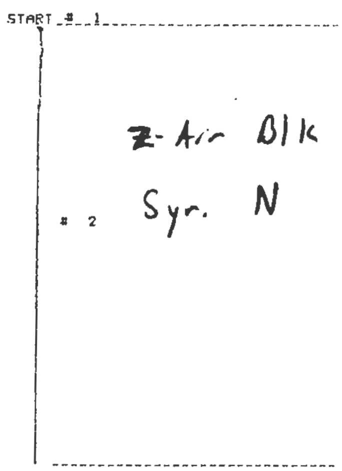


SGL25-72

STOP @ 380.2
SAMPLE LIBRARY 1 JUN 11 94 11:30
ANALYSIS # 32 SGL25-72
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	360.9 mVS
UNKNOWN	3	21.0	166.1 mVS

PHOTOVAC



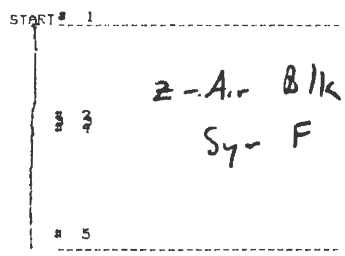
Z-Air Blk

Syr. N

STOP @ 341.1
SAMPLE LIBRARY 1 JUN 11 94 11:10
ANALYSIS # 29 Z AIR STD
INTERNAL TEMP 35 1.0 ML
GAIN 10 STR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



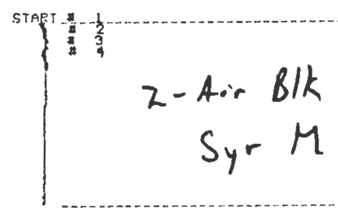
Z-Air Blk

Syr F

STOP @ 174.1
SAMPLE LIBRARY 1 JUN 11 94 11:24
ANALYSIS # 31 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR F

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



Z-Air Blk

Syr M

STOP @ 142.7
SAMPLE LIBRARY 1 JUN 11 94 11:33
ANALYSIS # 33 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR M

COMPOUND NAME PEAK R.T. AREA/PPM

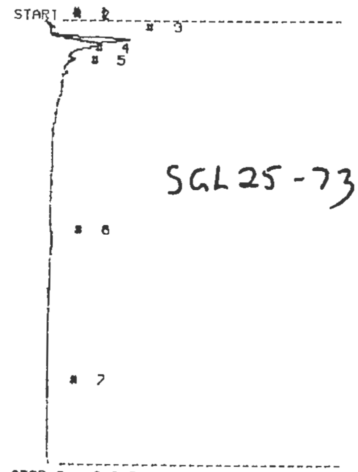
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACoE | JOB NO. 720518 | SHEET 9 OF 18

SUBJECT: Soil Gas - SEAD 64D | BY: KKS | DATE 6/11/94

CKD. | REVISION

PHOTOVAC

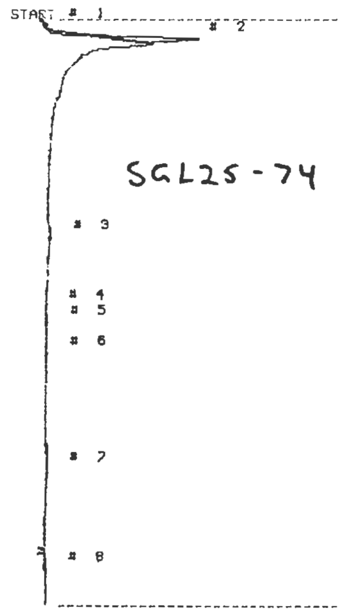



```
STOP @    346.8
SAMPLE LIBRARY 1   JUN 11   94  11:39
ANALYSIS #     34   SGL25-73
INTERNAL TEMP 36    1.0 ML
GAIN           10   SYR I

COMPOUND NAME    PEAK  R.T.  AREA/PPM

UNKNOWN            3   15.9 506.7 mVS
```

PHOTOVAC

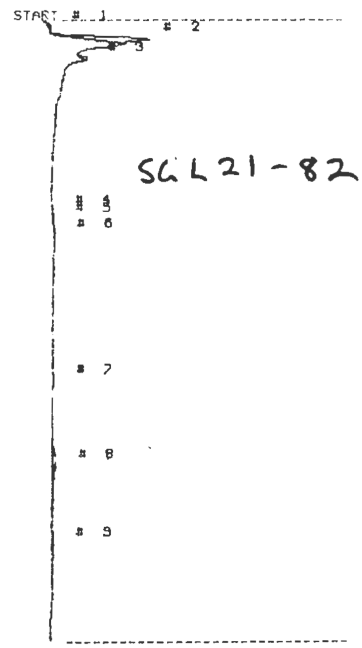



```
STOP @    457.8
SAMPLE LIBRARY 1   JUN 11   94  11:52
ANALYSIS #     36   SGL25-74
INTERNAL TEMP 36    1.0 ML
GAIN           10   SYR T

COMPOUND NAME    PEAK  R.T.  AREA/PPM

UNKNOWN            2   15.9 369.2 mVS
```

PHOTOVAC

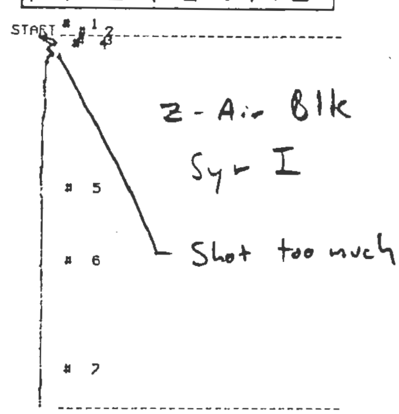



```
STOP @    485.1
SAMPLE LIBRARY 1   JUN 11   94  12: 4
ANALYSIS #     38   SGL21-82
INTERNAL TEMP 36    1.0 ML
GAIN           10   SYR J

COMPOUND NAME    PEAK  R.T.  AREA/PPM

UNKNOWN            2   16.1 563.8 mVS
UNKNOWN            8  349.1 227.2 mVS
```

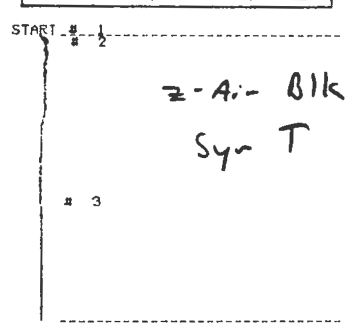
PHOTOVAC




```
STOP @    283.1
SAMPLE LIBRARY 1   JUN 11   94  11:44
ANALYSIS #     35   Z AIR BLK
INTERNAL TEMP 36    3.0 ML
GAIN           10   SYR I

COMPOUND NAME    PEAK  R.T.  AREA/PPM
```

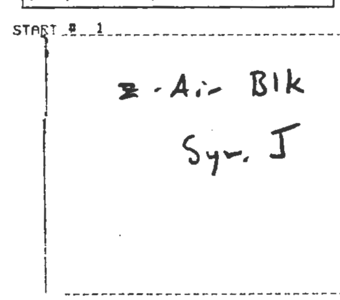
PHOTOVAC




```
STOP @    223.1
SAMPLE LIBRARY 1   JUN 11   94  11:55
ANALYSIS #     37   Z AIR BLK
INTERNAL TEMP 37    1.0 ML
GAIN           10   SYR.T

COMPOUND NAME    PEAK  R.T.  AREA/PPM
```

PHOTOVAC




```
STOP @    201.6
SAMPLE LIBRARY 1   JUN 11   94  12: 7
ANALYSIS #     39   Z AIR BLK
INTERNAL TEMP 37    1.0 ML
GAIN           10   SYR J

COMPOUND NAME    PEAK  R.T.  AREA/PPM
```

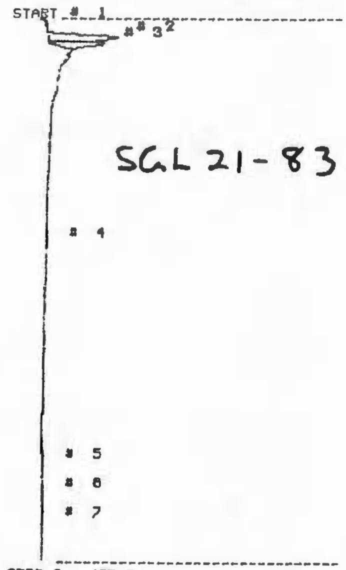
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. 720518 SHEET ~~8~~ 10 OF 18

SUBJECT: Soil Gas SEAD 64D BY: KKS DATE: 6/11/94

CKD.:

PHOTOVAC

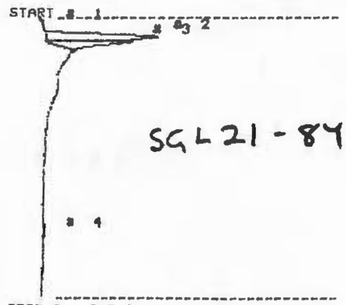


SGL 21-83

STOP @ 425.0
SAMPLE LIBRARY 1 JUN 11 94 12:15
ANALYSIS # 40 SGL21-83
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.7	972.7 mVS
UNKNOWN	3	19.9	643.6 mVS

PHOTOVAC

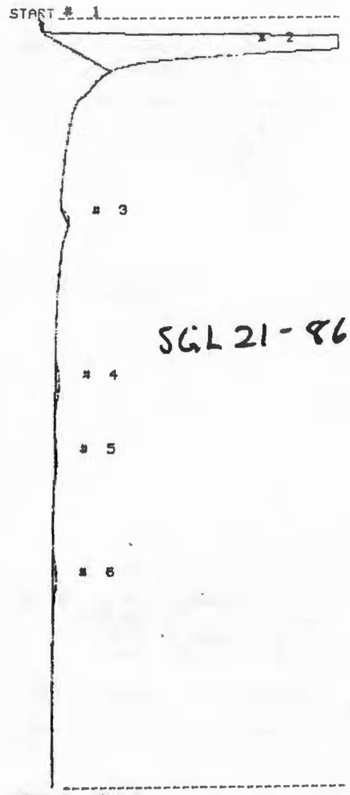


SGL 21-84

STOP @ 217.6
SAMPLE LIBRARY 1 JUN 11 94 12:23
ANALYSIS # 42 SGL21-84
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	1.6 VS
UNKNOWN	3	18.7	1.0 VS

PHOTOVAC

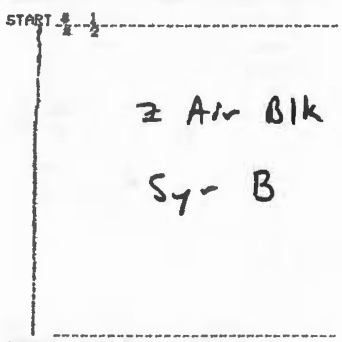


SGL 21-86

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 12:39
ANALYSIS # 44 SGL21-86
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	20.4	27.7 VS
UNKNOWN	4	289.3	292.0 mVS
UNKNOWN	6	442.8	257.2 mVS

PHOTOVAC

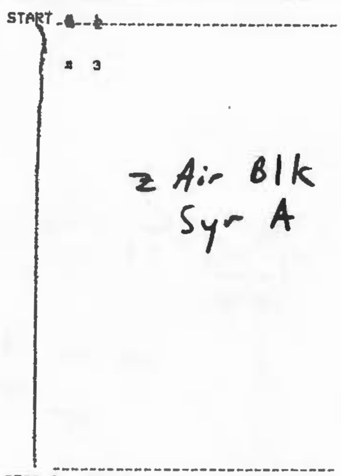


Z Air Blk
Syr B

STOP @ 240.5
SAMPLE LIBRARY 1 JUN 11 94 12:19
ANALYSIS # 41 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR B

COMPOUND NAME PEAK R.T. AREA/PPM

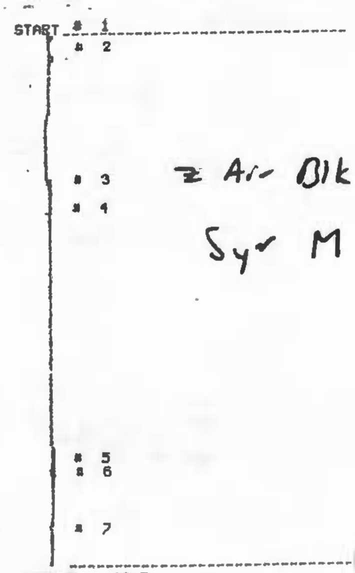
PHOTOVAC



Z Air Blk
Syr A

STOP @ 347.5
SAMPLE LIBRARY 1 JUN 11 94 12:29
ANALYSIS # 43 Z AIR STD
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR A

COMPOUND NAME PEAK R.T. AREA/PPM



Z Air Blk
Syr M

STOP @ 413.7
SAMPLE LIBRARY 1 JUN 11 94 12:50
ANALYSIS # 45 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR H

COMPOUND NAME PEAK R.T. AREA/PPM

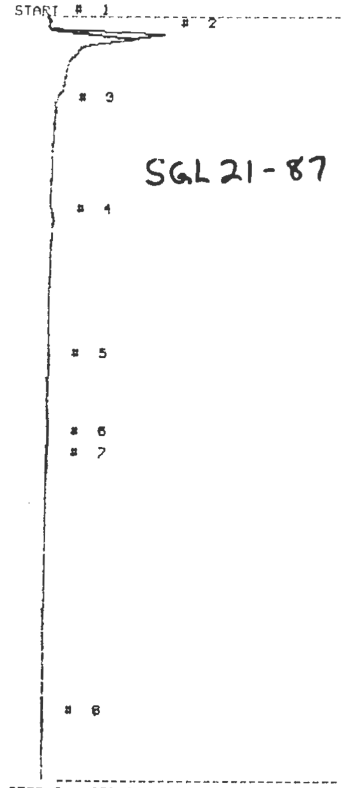
PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. 720518 SHEET 9/11 OF 18

SUBJECT Soil Gas SEAD 64 D BY KJC S DATE 6/11/94

PHOTOVAC

START # 1



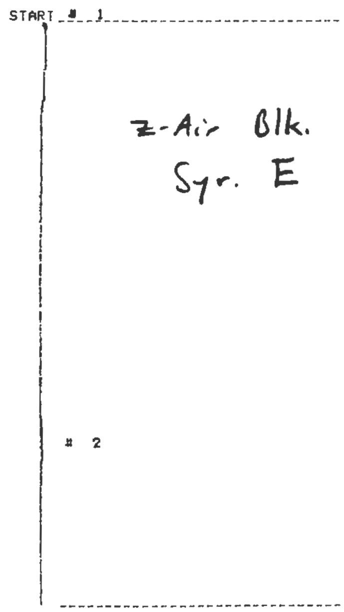
SGL21-87

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 13: 0
ANALYSIS # 46 SGL21-87
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.8	641.9 mVS

PHOTOVAC

START # 1



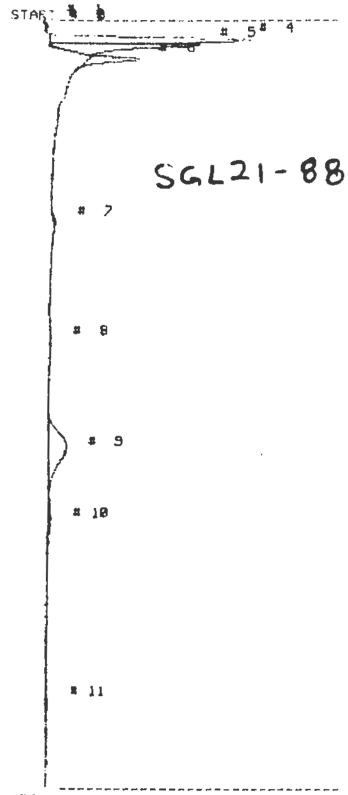
z-Air Blk.
Syr. E

STOP @ 454.2
SAMPLE LIBRARY 1 JUN 11 94 13: 8
ANALYSIS # 47 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR E

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



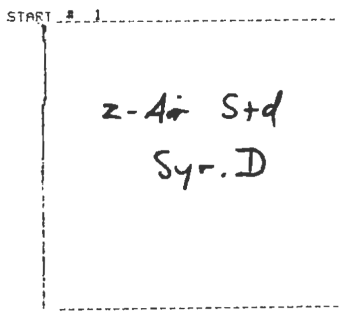
SGL21-88

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 13:20
ANALYSIS # 48 SGL21-88
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	4	16.1	2.7 VS
UNKNOWN	5	19.2	2.0 VS
UNKNOWN	6	30.9	710.4 mVS ?
~~UNKNOWN~~	~~9~~	~~338.3~~	~~1.6 VS~~
UNKNOWN	10	335.0	156.5 mVS

PHOTOVAC

START # 1



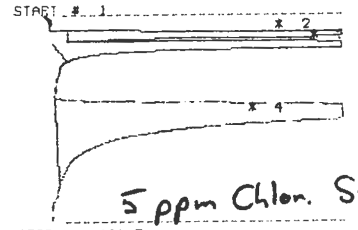
z-Air Std
Syr. D

STOP @ 223.3
SAMPLE LIBRARY 1 JUN 11 94 13:24
ANALYSIS # 49 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



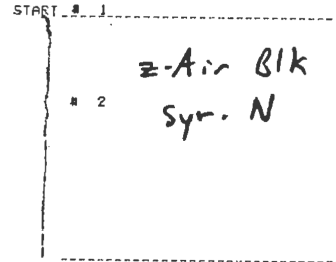
5 ppm Chlor. Std

STOP @ 161.5
SAMPLE LIBRARY 1 JUN 11 94 13:27
ANALYSIS # 50 5 PPM CHLOR STD
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.8	7.9 VS
UNKNOWN	3	24.0	10.3 VS
UNKNOWN	4	77.2	37.0 VS

PHOTOVAC

START # 1



z-Air Blk
Syr. N

STOP @ 190.7
SAMPLE LIBRARY 1 JUN 11 94 13:31
ANALYSIS # 51 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR N

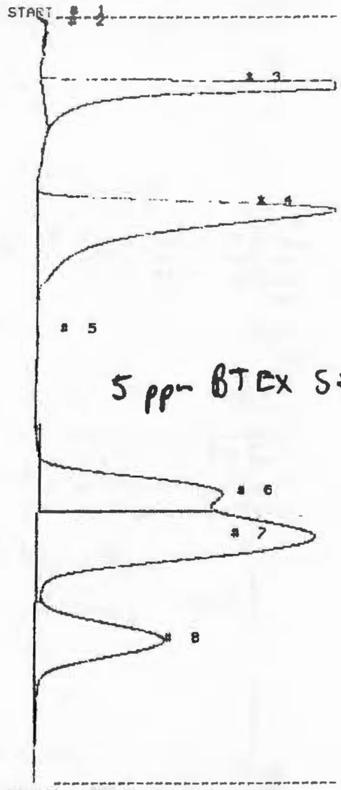
COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. PARSONS

CLIENT: ACOE JOB NO. 720518 SHEET 12 OF 18

SUBJECT: Soil Gas SEAD 64D BY: KICS DATE 6/11/94

PHOTOVAC

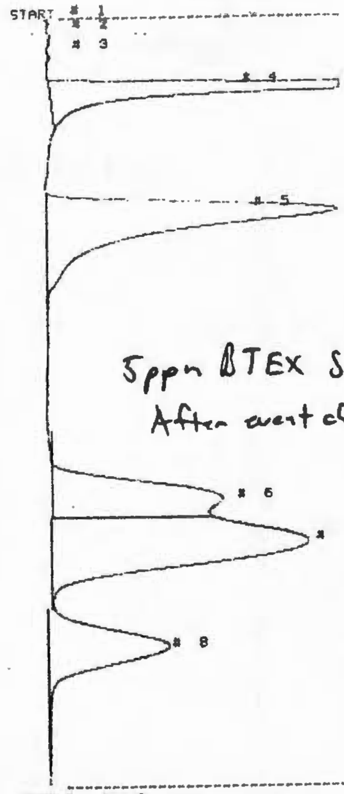


5 ppm BTEX Std

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 13:41
ANALYSIS # 52 5 PPM BTEX STD
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	54.7	16.7	VS
UNKNOWN	4	152.9	23.8	VS
UNKNOWN	6	381.0	15.6	VS
UNKNOWN	7	414.6	33.0	VS
UNKNOWN	8	456.8	12.3	VS

PHOTOVAC

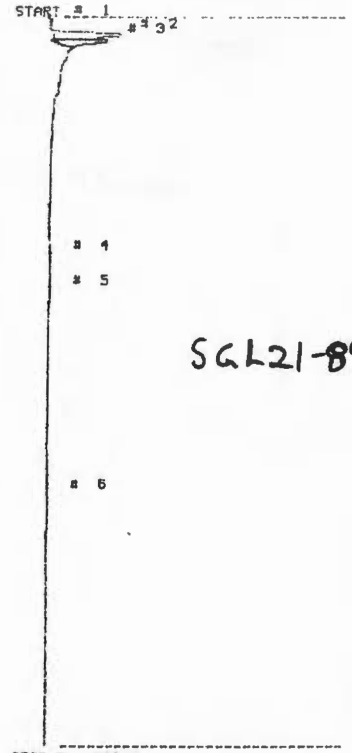


5ppm BTEX Std
After event change

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 13:57
ANALYSIS # 53 5 PPM BTEX STD
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	54.2	15.6	VS
UNKNOWN	5	154.4	22.0	VS
UNKNOWN	6	382.4	14.5	VS
UNKNOWN	7	416.7	30.5	VS
UNKNOWN	8	439.5	11.3	VS

PHOTOVAC



SGL21-89

STOP @ 569.8
SAMPLE LIBRARY 1 JUN 11 94 14:53
ANALYSIS # 54 SGL21-89
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR G

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.3	954.7 mVS
UNKNOWN	3	19.7	686.8 mVS

PHOTOVAC

JUN 11 94 14: 3

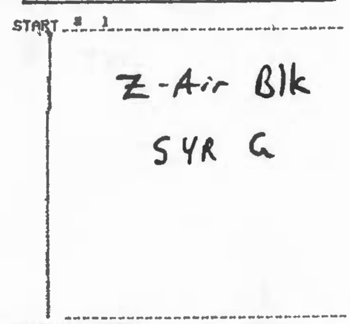
FIELD: 30
POWER: 35

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	0.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

Change Event 3 on time from 10 to 0

Changed septum

PHOTOVAC



Z-Air Blk
SYR G

STOP @ 225.5
SAMPLE LIBRARY 1 JUN 11 94 14:57
ANALYSIS # 55 ~~SGL21-89~~ Z Air Blk
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR G

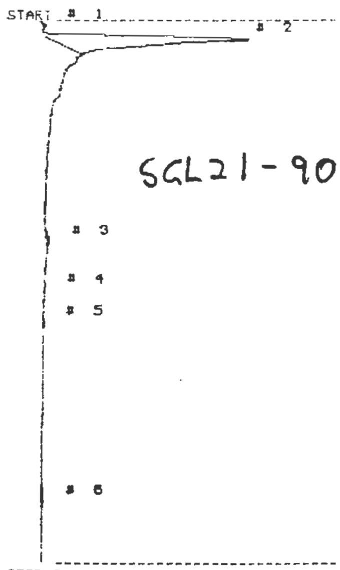
COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. 720518 SHEET 13 OF 18

SUBJECT Soil Gas SEAD 64D BY KKS DATE 6/11/94

PHOTOVAC

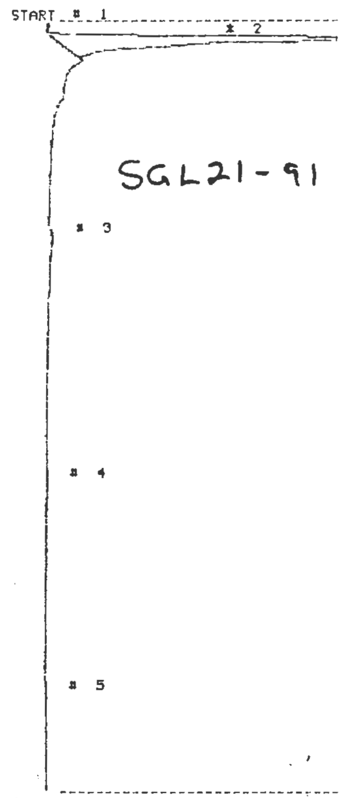


SGL21-90

STOP @ 423.9
SAMPLE LIBRARY 1 JUN 11 94 15: 5
ANALYSIS # 56 SGL21-90
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.5	4.1 VS

PHOTOVAC

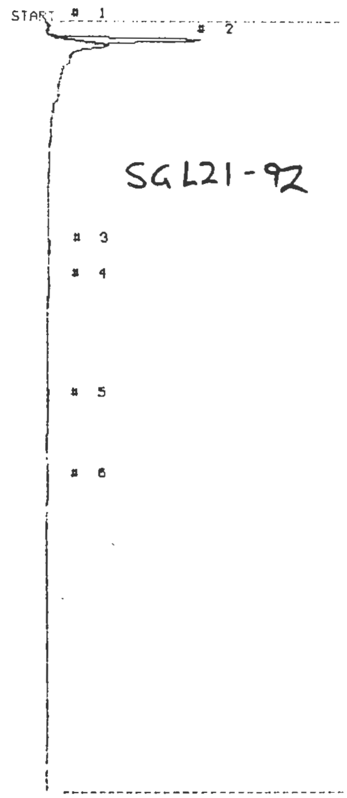


SGL21-91

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 16: 3
ANALYSIS # 58 SGL21-91
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	14.8	7.4 VS

PHOTOVAC

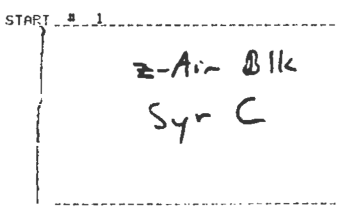


SGL21-92

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 16:17
ANALYSIS # 60 SGL21-92
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.4	1.1 VS

PHOTOVAC

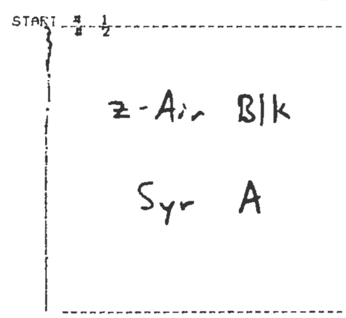


Z-Air Blk
Syr C

STOP @ 138.1
SAMPLE LIBRARY 1 JUN 11 94 15: 8
ANALYSIS # 57 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR C

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

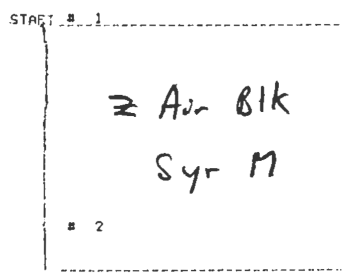


Z-Air Blk
Syr A

STOP @ 221.4
SAMPLE LIBRARY 1 JUN 11 94 16: 6
ANALYSIS # 59 Z AIR BLK
INTERNAL TEMP 35 1.0ML
GAIN 10 SYR A

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



Z Air Blk
Syr M

STOP @ 190.6
SAMPLE LIBRARY 1 JUN 11 94 16:21
ANALYSIS # 61 Z AIR LK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR M

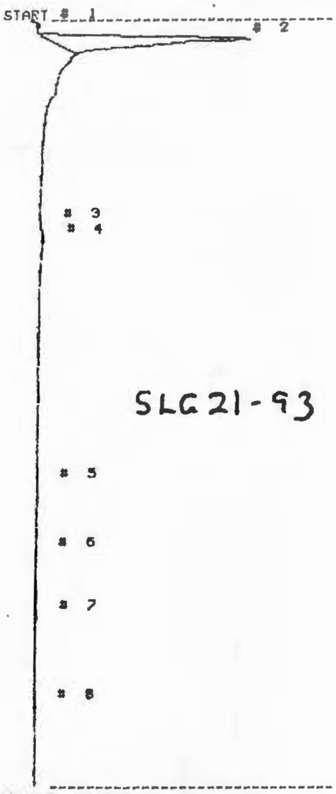
COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. 720518 SHEET 14 ~~12~~ OF 18

SUBJECT: Soil Gas - SEAD 64D BY: KKS DATE 6/11/94

PHOTOVAC

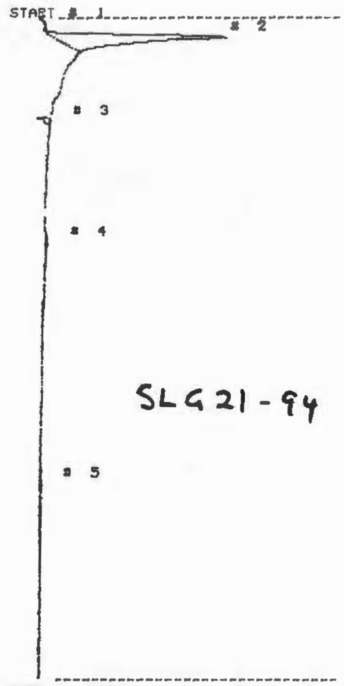


SLG21-93

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 16:32
ANALYSIS # 62 SLG21-93
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	4.1 VS

PHOTOVAC

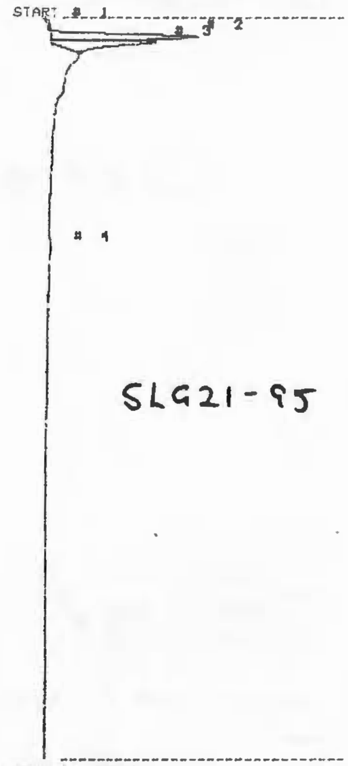


SLG21-94

STOP @ 516.6
SAMPLE LIBRARY 1 JUN 11 94 16:43
ANALYSIS # 64 SGL21-94
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	3.3 VS

PHOTOVAC

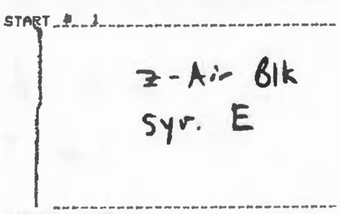


SLG21-95

STOP @ 579.3
SAMPLE LIBRARY 1 JUN 11 94 16:57
ANALYSIS # 66 SGL21-95
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	2.0 VS
UNKNOWN	3	19.8	1.4 VS

PHOTOVAC

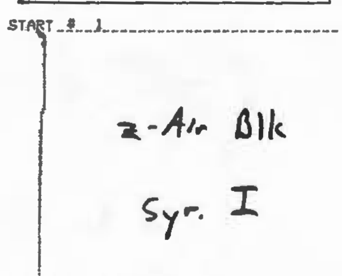


Z-Air Blk
Syr. E

STOP @ 139.2
SAMPLE LIBRARY 1 JUN 11 94 16:35
ANALYSIS # 63 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC

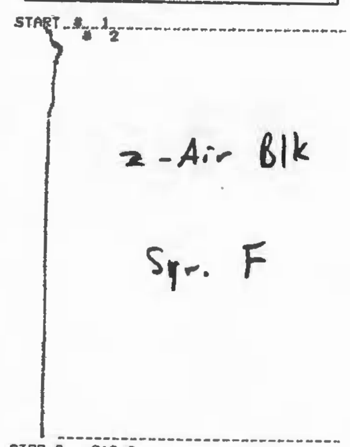


Z-Air Blk
Syr. I

STOP @ 196.1
SAMPLE LIBRARY 1 JUN 11 94 16:47
ANALYSIS # 65 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC



Z-Air Blk
Syr. F

STOP @ 318.8
SAMPLE LIBRARY 1 JUN 11 94 17: 2
ANALYSIS # 67 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM

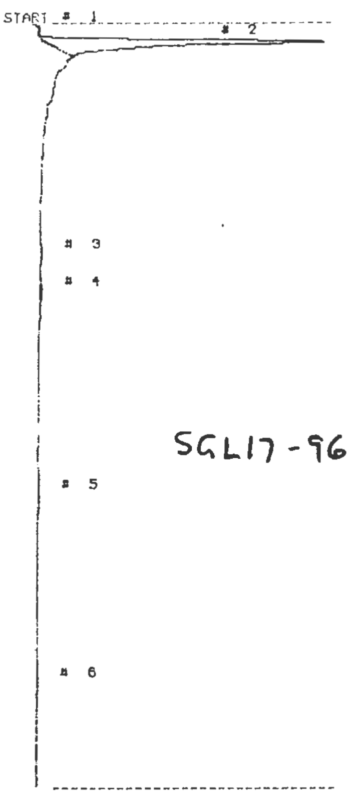
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. 720518 SHEET 15 OF 18

SUBJECT SB Soil Gas . SEAD 64D BY KKS DATE 6/11/94

CKD. REVISION

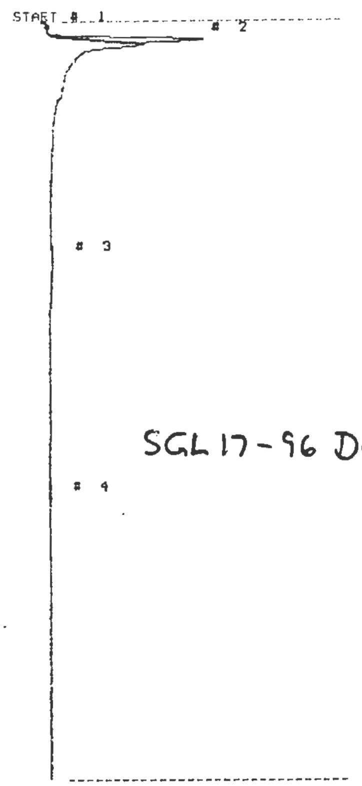
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 11 94 17:13
ANALYSIS # 68 SGL17-96
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR L

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	4.5 VS

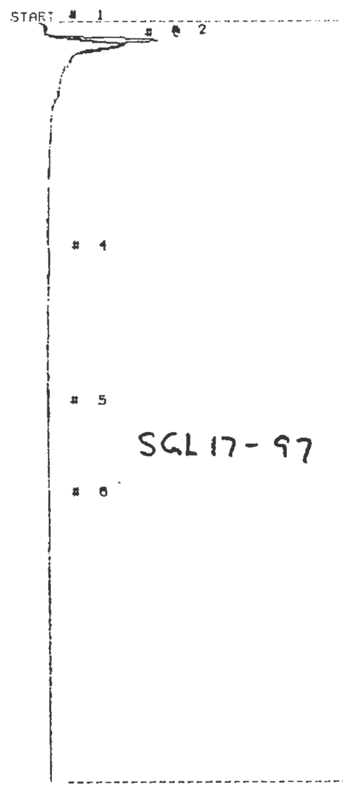
PHOTOVAC



STOP @ 593.6
SAMPLE LIBRARY 1 JUN 11 94 17:26
ANALYSIS # 70 SGL17-96 DUP
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR T

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	1.0 VS

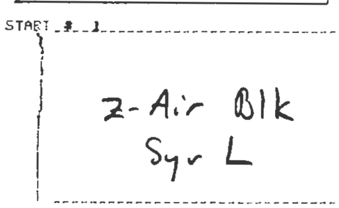
PHOTOVAC



STOP @ 594.0
SAMPLE LIBRARY 1 JUN 11 94 17:36
ANALYSIS # 71 SBL17-97
INTERNAL TEMP 33 1.0 ML
GAIN 10 STR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	714.5 mVS

PHOTOVAC



STOP @ 133.1
SAMPLE LIBRARY 1 JUN 11 94 17:16
ANALYSIS # 69 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR L

COMPOUND NAME PEAK R.T. AREA/PPM

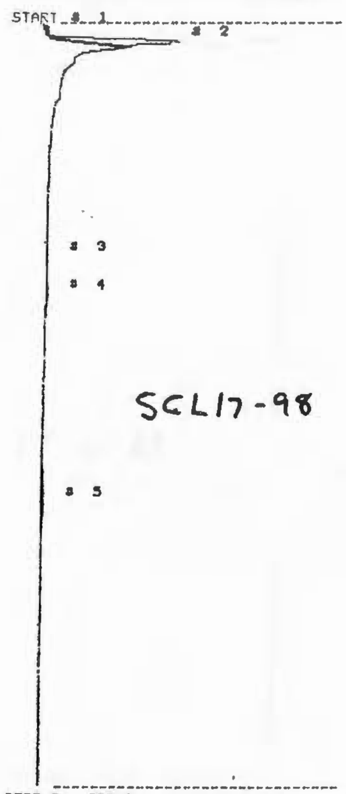
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE | JOB NO. 720518 | SHEET 16 OF 18

SUBJECT: Soil Gas - SEAD 64D | BY: KKS | DATE: 6/11/94

CKD.: | REVISION:

PHOTOVAC

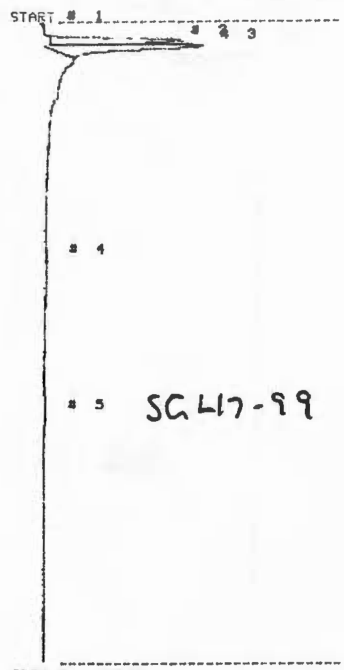



```
STOP @    600.0
SAMPLE LIBRARY 1  JUN 11   94  17:46
ANALTSIS #    72   SGL17-98
INTERNAL TEMP 34   1.0 ML
GAIN          10   STR K

COMPOUND NAME   PEAK  R.T.  AREA/PPM

UNKNOWN            2   18.2 944.5 mUS
UNKNOWN            5  378.9 127.6 mUS
```

PHOTOVAC

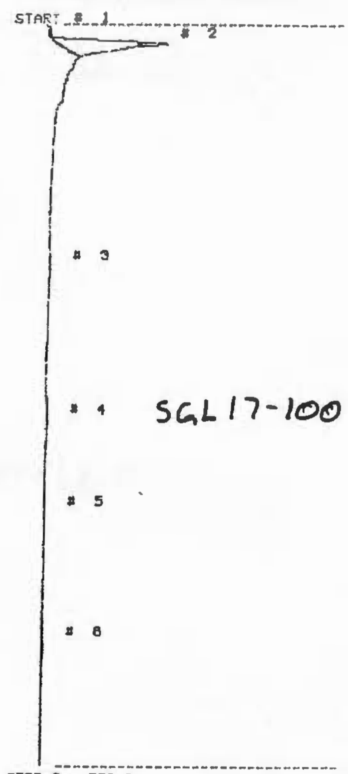



```
STOP @    502.0
SAMPLE LIBRARY 1  JUN 11   94  17:57
ANALYSIS #    73   SGL17-99
INTERNAL TEMP 34   1.0 ML
GAIN          10   STR H

COMPOUND NAME   PEAK  R.T.  AREA/PPM

UNKNCWN            2   16.2   1.7  US
UNKNDWN            3   20.1   2.3  US
```

PHOTOVAC




```
STOP @    578.6
SAMPLE LIBRARY 1  JUN 11   94  18: 7
ANALTSIS #    74   SGL17-100
INTERNAL TEMP 33   1.0 ML
GAIN          10   STR J

COMPOUND NAME   PEAK  R.T.  AREA/PPM

UNKNOWN            2   16.2   2.2  US
UNKNOWN            6  485.1 102.4 mUS
```

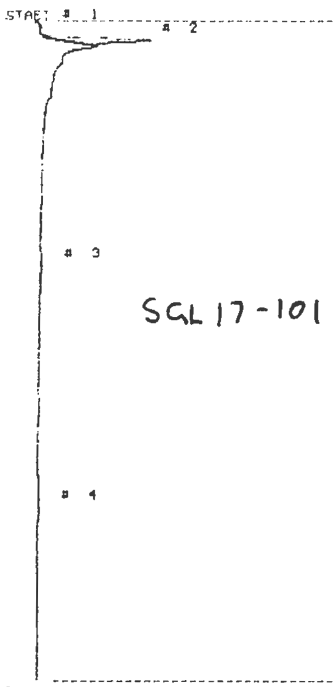
PARSONS MAIN, INC. | PARSONS

CLIENT: ACOE | JOB NO. 720518 | SHEET 17 OF 18

SUBJECT: Soil Gas - SEAD 64 D | BY: KKS | DATE: 6/11/94

CKD. | REVISION

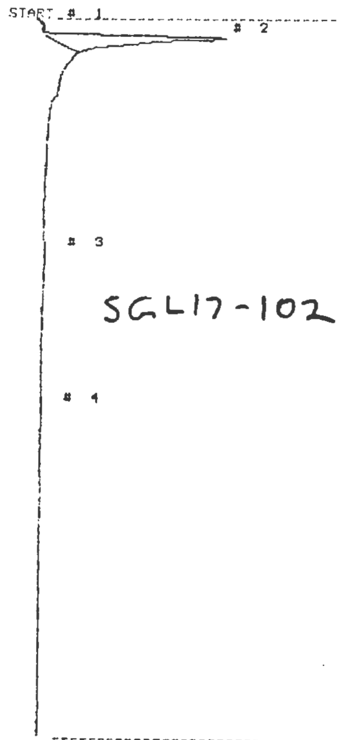
PHOTOVAC



STOP @ 516.9
SAMPLE LIBRARY 1 JUN 11 94 18:16
ANALYSIS # 75 SLG17-101
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR D

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	844.4 mVS

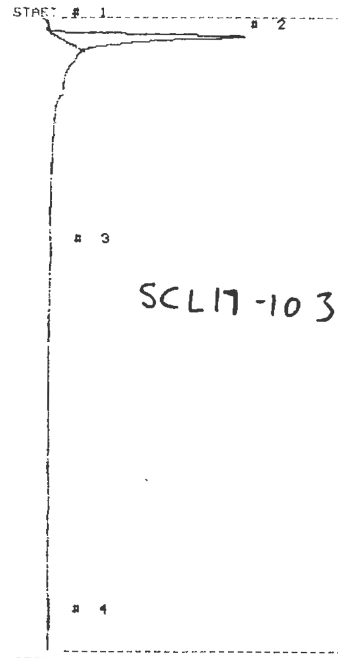
PHOTOVAC



STOP @ 563.4
SAMPLE LIBRARY 1 JUN 11 94 18:26
ANALYSIS # 76 SLG17-102
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	3.3 VS

PHOTOVAC



STOP @ 494.8
SAMPLE LIBRARY 1 JUN 11 94 18:34
ANALYSIS # 77 SGL17-103
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR C

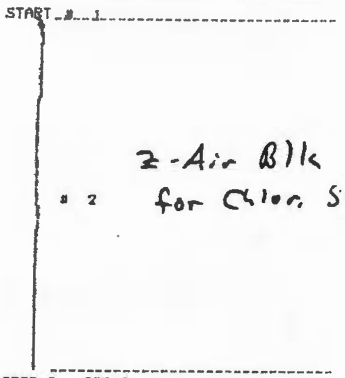
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	3.4 VS

Change Injection Port Septum

PARSONS MAIN, INC. PARSONS

CLIENT ACOE	JOB NO. 720518	SHEET 18	OF 18
SUBJECT Soil Gas - SEAD 64 D	BY KKS	DATE 6/11/94	
	CKD.	REVISION	

PHOTOVAC

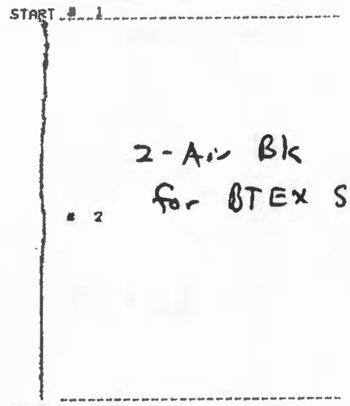


2-Air Blk for Chlor. Std

STOP @ 275.9
SAMPLE LIBRARY 1 JUN 11 94 18:39
ANALYSIS # 78 2 AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

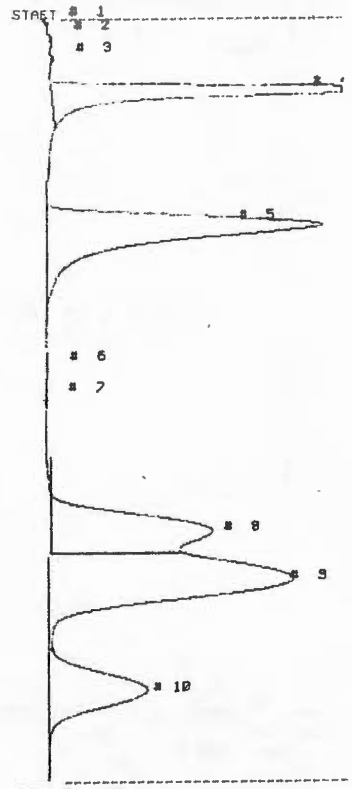


2-Air Blk for BTEX STD

STOP @ 298.7
SAMPLE LIBRARY 1 JUN 11 94 18:47
ANALYSIS # 80 2 AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



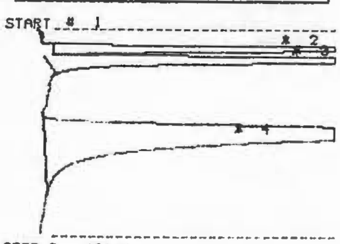
STOP @ 595.4
SAMPLE LIBRARY 1 JUN 11 94 18:57
ANALYSIS # 81 5 PPM BTEX STD
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	4	57.1	13.7	VS
UNKNOWN	5	163.7	18.8	VS
UNKNOWN	8	406.9	14.9	VS
UNKNOWN	9	445.2	27.0	VS
UNKNOWN	10	531.5	5.6	VS

5 ppm BTEX STD

End of Day

PHOTOVAC



STOP @ 161.4
SAMPLE LIBRARY 1 JUN 11 94 18:42
ANALYSIS # 79 5 PPM CHLOR STD
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.8	6.8	VS
UNKNOWN	3	24.5	10.0	VS
UNKNOWN	4	82.5	23.0	VS

5 ppm Chlor. Std

PARSONS MAIN, INC. PARSONS

CLIENT

JOB NO. 720518 SHEET 1 OF 16

SUBJECT ACOE - Soil Gas SEAD 64D BY KKS DATE 6/12/94

PHOTOVAC

JUN 12 94 ~~10:~~ 08:00

FIELD: 30
POWER: 36

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC

START

z-air Blk
Syr. T

1

Changed gain from 1 to 10

2

3

STOP @ 367.7
SAMPLE LIBRARY 1 JUN 12 94 ~~10:~~ 0810
ANALYSIS # 1 Z AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 10 SYR T

OFFSET 0.0 mV
CHART SPEED 1 cM/Min
SLOPE SENS. 5 10 4 mV/Sec
WINDOW +/- 1 Percent
MINIMUM AREA 100 mVSec
TIMER DELAY 10.0 Sec
ANALYSIS TIME 600.0 Sec
CYCLE TIME 0 Min

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 2 265.2 [illegible]

turnover from 30°C to 40°C

PHOTOVAC

START # 1

z-air blk
Syr. K

2

STOP @ 236.8
SAMPLE LIBRARY 1 JUN 12 94 ~~10:~~ 0815
ANALYSIS # 2 Z AIR BLK
INTERNAL TEMP 31 ~~1.0 ML~~
GAIN 10 ~~SYR K~~

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-air Blk
Syr. H

2

3
4
5
6

Lifted column cover

STOP @ 291.7
SAMPLE LIBRARY 1 JUN 12 94 ~~10:~~ 0820
ANALYSIS # 3 Z AIR BLK
INTERNAL TEMP 31 1.0 ML
GAIN 10 SYR H

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk
Syr. J

2

STOP @ 507.6
SAMPLE LIBRARY 1 JUN 12 94 ~~10:~~ 0830
ANALYSIS # 4 Z AIR BLK
INTERNAL TEMP 32 1.0 ML
GAIN 10 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk
Syr. D

STOP @ 218.8
SAMPLE LIBRARY 1 JUN 12 94 ~~10:~~ 0845
ANALYSIS # 5 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. PARSONS

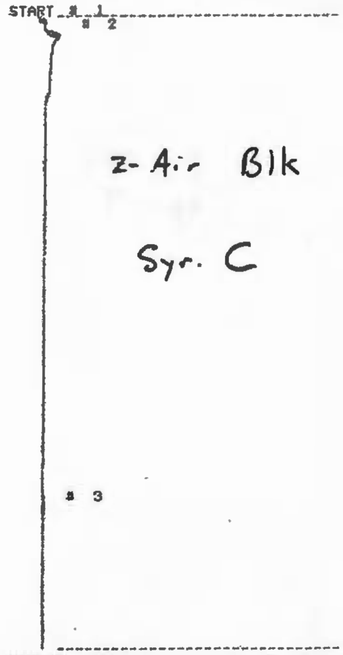
CLIENT

SUBJECT ACOE - Soil Gas SEAD 64 D

JOB NO. 720568. SHEET 2 OF 16

BY KKS DATE 6/12/94

PHOTOVAC



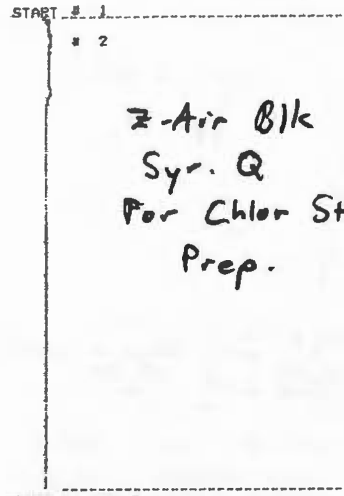
z-Air Blk

Syr. C

STOP @ 496.4
SAMPLE LIBRARY 1 JUN 12 94 9:59
ANALYSIS # 6 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR C

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

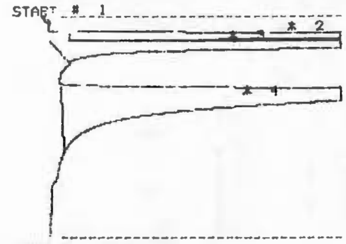


Z-Air Blk
Syr. Q
For Chlor Std.
Prep.

STOP @ 368.5
SAMPLE LIBRARY 1 JUN 12 94 9:28
ANALYSIS # 8 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR Q

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

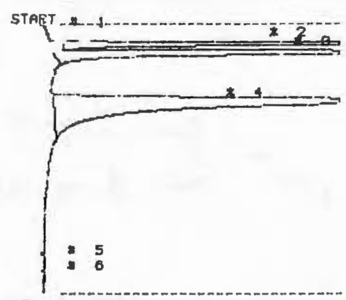


STOP @ 171.9
SAMPLE LIBRARY 1 JUN 12 94 9:41
ANALYSIS # 10 5 PPM CHLOR STD
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.6	9.1 VS
UNKNOWN	3	22.6	11.3 VS
UNKNOWN	4	62.7	31.6 VS

5 ppm Chlor. Std.

PHOTOVAC

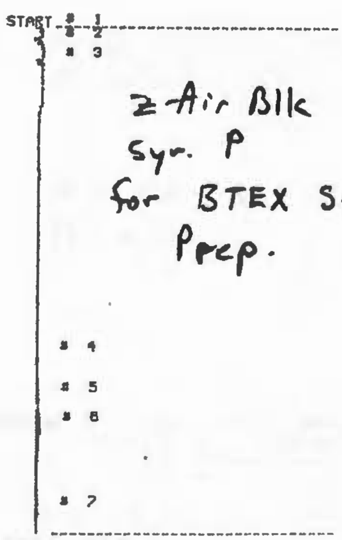


STOP @ 210.7
SAMPLE LIBRARY 1 JUN 12 94 9:46
ANALYSIS # 11 5 PPM CHLOR STD
INTERNAL TEMP 35 0.4 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	3.6 VS
UNKNOWN	3	22.9	3.8 VS
UNKNOWN	4	61.4	11.9 VS

2 ppm Chlor Std

PHOTOVAC

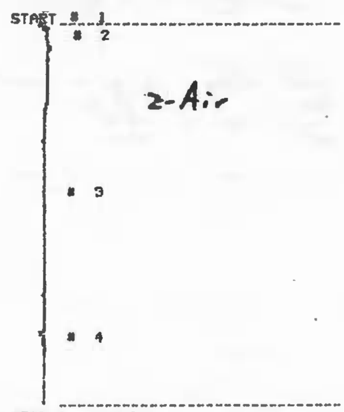


Z-Air Blk
Syr. P
for BTEX Std.
Prep.

STOP @ 392.9
SAMPLE LIBRARY 1 JUN 12 94 9:22
ANALYSIS # 7 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR P

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	6	313.7	131.0 mVS

PHOTOVAC



Z-Air

STOP @ 296.8
SAMPLE LIBRARY 1 JUN 12 94 9:38
ANALYSIS # 9 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Oven at 40°C

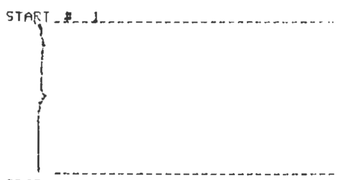
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE | JOB NO. 720518 | SHEET 3 OF 16

SUBJECT: Soil Gas SEAD 64D | BY: KKS | DATE 6/12/94

CKD.

PHOTOVAC

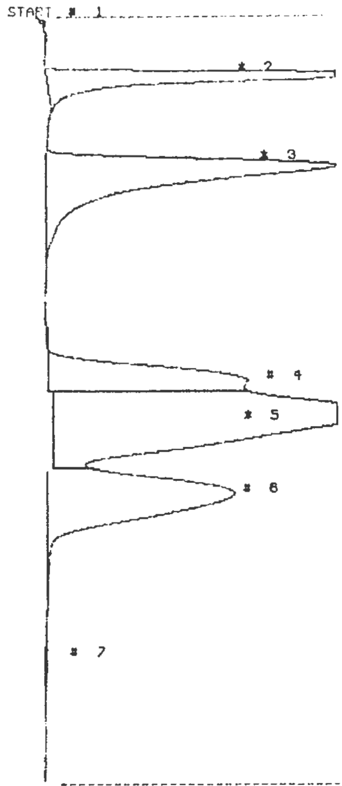


STOP @ 119.4
SAMPLE LIBRARY 1 JUN 12 94 9:56
ANALYSIS # 12 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Z-Air Blk
for BTEX Std

PHOTOVAC



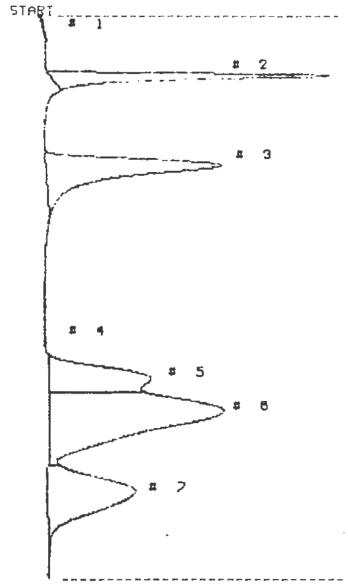
STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 10: 6
ANALYSIS # 13 ~~Z AIR BLK~~ 5ppm BTEX Std.
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	47.3	12.8	VS
UNKNOWN	3	118.5	20.2	VS
UNKNOWN	4	223.8	11.2	VS
UNKNOWN	5	313.8	53.[illegible]	VS
UNKNOWN	6	324.6	20.[illegible]	VS

5 ppm BTEX Std.

Oven at 40°C

PHOTOVAC



STOP @ 439.9
SAMPLE LIBRARY 1 JUN 12 94 10:22
ANALYSIS # 14 5 PPM BTEX STD
INTERNAL TEMP 34 0.4 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	47.5	4.5	VS
UNKNOWN	3	113.3	6.4	VS
UNKNOWN	5	288.3	6.1	VS
UNKNOWN	6	314.[illegible]	18.[illegible]	VS
UNKNOWN	7	378.[illegible]	8.[illegible]	VS

2 ppm BTEX Std
by Volume

Xylenes complete at
440 seconds

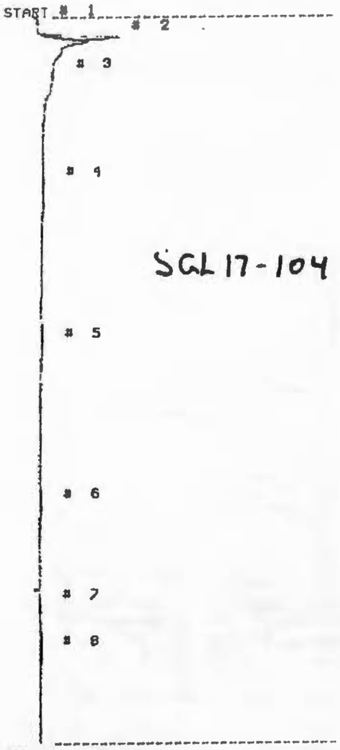
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. 720518 SHEET 4 OF 16

SUBJECT Soil Gas SEAD 64D BY KKS DATE 6/12/94

REVISION

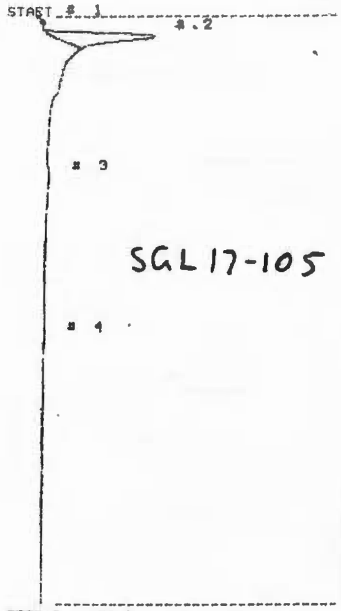
PHOTOVAC



STOP @ 569.4
SAMPLE LIBRARY 1 JUN 12 94 10:44
ANALYSIS # 15 SGL17-104
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	17.2	462.0 mVS

PHOTOVAC



STOP @ 459.8
SAMPLE LIBRARY 1 JUN 12 94 10:54
ANALYSIS # 16 SGL17-105
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.4	2.1 VS

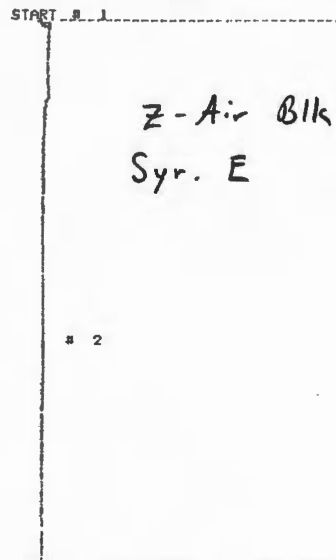
PHOTOVAC

START # 1
STOP @ 11.6
SAMPLE LIBRARY 1 JUN 12 94 11:6
ANALYSIS # 19 ~~Z AIR BLK~~ SGL17-106
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR ~~A~~ E

COMPOUND NAME PEAK R.T. AREA/PPM

Bad Injection
Re-do Point

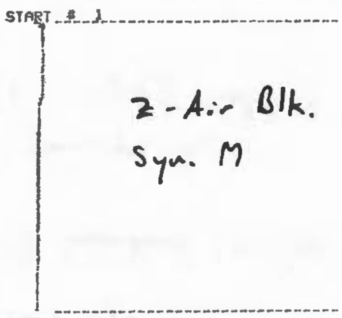
PHOTOVAC



STOP @ 423.9
SAMPLE LIBRARY 1 JUN 12 94 11:20
ANALYSIS # 20 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR E

COMPOUND NAME PEAK R.T. AREA/PPM

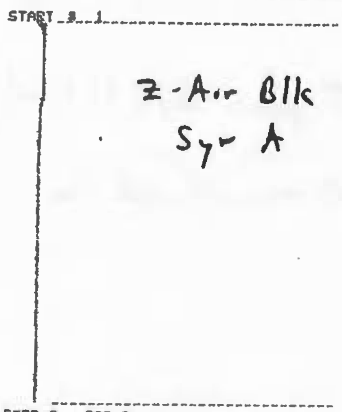
PHOTOVAC



STOP @ 226.6
SAMPLE LIBRARY 1 JUN 12 94 10:59
ANALYSIS # 17 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR M

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 296.9
SAMPLE LIBRARY 1 JUN 12 94 11:5
ANALYSIS # 18 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR A

COMPOUND NAME PEAK R.T. AREA/PPM

SOIL GAS CALIBRATION RESPONSE FACTORS: CHLORINATED

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/12/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD - 64D		Operator: Kerry Smith

Instrument Specs:		Chlorinated Calibration Gas Specifications		
Type of GC:	Photovac 10S50	Manfacturer:	Scott	Lot#:
Column Type:	CPSil-5	Concentration (ppmV):		100
Col. Temp. (°C):	40° ~~35~~ KKS	Concentration: (ppmV)	Vinyl Chloride	99.6
Chart Speed:	1 cm/min		1,1–dichloroethene	98.4
Gain:	10		Trichloroethene	102.0
Sensitivity:	5/10			
Gas Flow Rate:	7			
Tank Pressure:	1400/1650			

Analysis A
Inj. #: 10

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF			
VC	15.8	5.1	9.1	0.56			
1,1–DCE	22.8	4.98	11.3	0.44			
TCE	62.7	4.92	31.6	0.16			

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 11

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF	Delta RF	RF avg.	
VC	16.1	~~2.4~~ 2.04	3.8	0.54	0.0		
1,1–DCE	22.9	~~3.6~~ 1.99	5.8	0.34	0.06		
TCE	61.4	1.97	11.9	0.17	-0.02		

Comments: 2 ppm Equil.
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

V = .02/1.1/2
D = .10/.78/2
T = -.01/.33/2

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF	Delta RF	RF avg.	
VC							
1,1–DCE							
TCE							

Comments:
Concentration is normalized to 1 ml.

SOIL GAS CALIBRATION RESPONSE FACTORS: BTEX

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/12/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD - 64D		Operator: Kerry Smith

Instrument Specs:		BTEX Calibration Gas Specifications	
Type of GC:	Photovac 10S50	Manfacturer:	Canary
		Lot#:	
Column Type:	CPS.1-5	Concentration (ppmV):	100
Col. Temp. (°C):	40°	Concentration: (ppmV) Benzene	98.6
Chart Speed:	1 cm/min	Toluene	97.4
Gain:	10	Ethylbenzene	95.5
Sensitivity:	5/10	O–Xylene	94.5
Gas Flow Rate:	7	M–Xylene	95.0
Tank Pressure:	1400/1650	P–Xylene	93.0

Analysis A
Inj. #: 13

A 1.0 ml injection of a 5.0 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF			
Benzene	47.3	4.93	12.8	0.39			
Toluene	118.5	4.87	20.2	0.24			
Ethylbenzene	289.8	4.77	11.3	0.42			
O–Xylene	313.8	4.73	53.2	0.09			
M–Xylene	↓	4.75	↓	↓			
P–Xylene	379.6	4.65	20.1	0.23			

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 14

A 0.4 ml injection of a 5.0 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene	47.6	1.97	4.6	0.43	-0.02		
Toluene	119.3	1.95	8.4	0.23	0.01		
Ethylbenzene	288.3	1.91	6.1	0.31	0.08		
O–Xylene	314.3	1.89	18.2	0.10	-0.03		
M–Xylene	↓	1.90	↓	↓	↓		
P–Xylene	378.2	1.86	8.3	0.22	0.01		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

B = -.04 / .82/2
T = .01 / .47/2
E = .11 / .73/2
O+M = -.01 / .19/2
P = .01 / .45/2

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene							
Toluene							
Ethylbenzene							
O–Xylene							
M–Xylene							
P–Xylene							

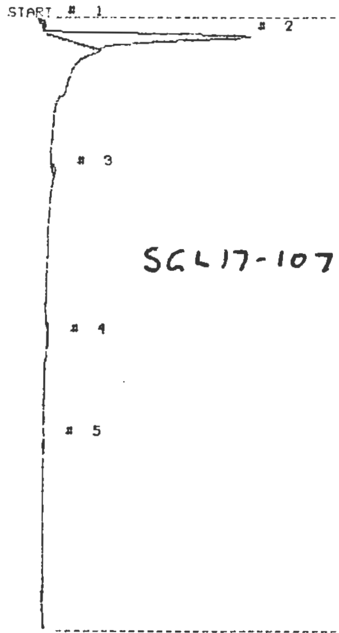
Comments:
Concentration is normalized to 1 ml.

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOF JOB NO. 720518 SHEET 7 OF 16

SUBJECT: Soil Gas - SEAD 64D BY: KKS DATE: 6/12/94

PHOTOVAC

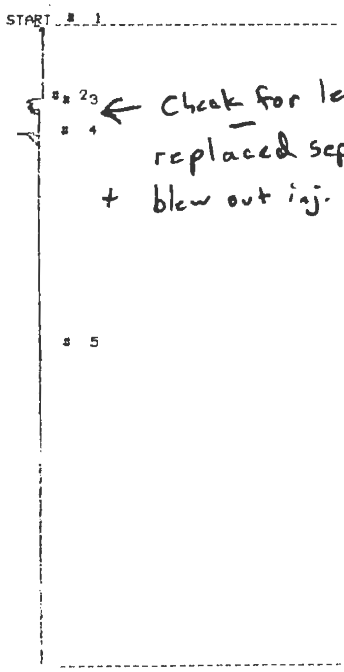


SGL17-107

STOP @ 480.1
SAMPLE LIBRARY 1 JUN 12 94 11:29
ANALYSIS # 21 SGL17-107
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.4	3.6 VS

PHOTOVAC

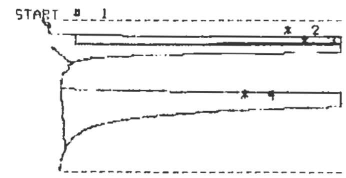


← Check for leak
replaced septum
+ blew out inj. port

STOP @ 498.1
SAMPLE LIBRARY 1 JUN 12 94 11:38
ANALYSIS # 22 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	4	30.9	10[illegible]

PHOTOVAC



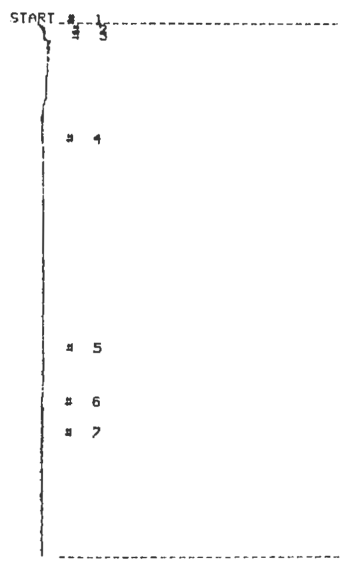
STOP @ 118.6
SAMPLE LIBRARY 1 JUN 12 94 11:48
ANALYSIS # 23 5 PPM STD
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	9.6 VS
UNKNOWN	3	23.0	10.8 VS
UNKNOWN	4	63.1	30.3 VS

5 ppm Chlor Std

Checking for seperation
and consistant retention
times with oven at 40°C
Looking Good!

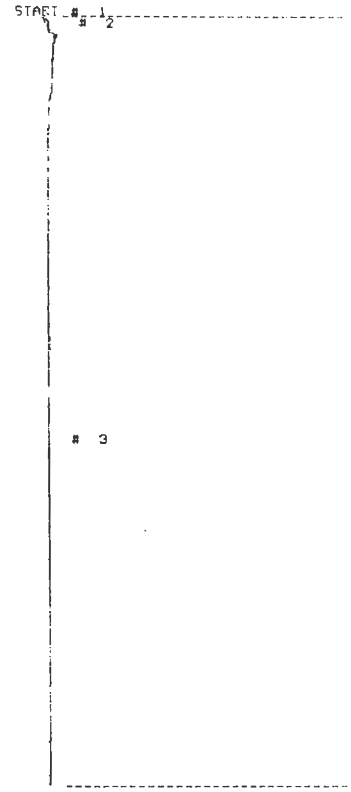
PHOTOVAC



STOP @ 416.2
SAMPLE LIBRARY 1 JUN 12 94 12:6
ANALYSIS # 24 GAS STORAGE SHED
INTERNAL TEMP 35 0.05 ML
GAIN 10 SYR R

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 12:23
ANALYSIS # 25 GAS STORAGE SHED
INTERNAL TEMP 35 0.1 ML
GAIN 10 SYR R

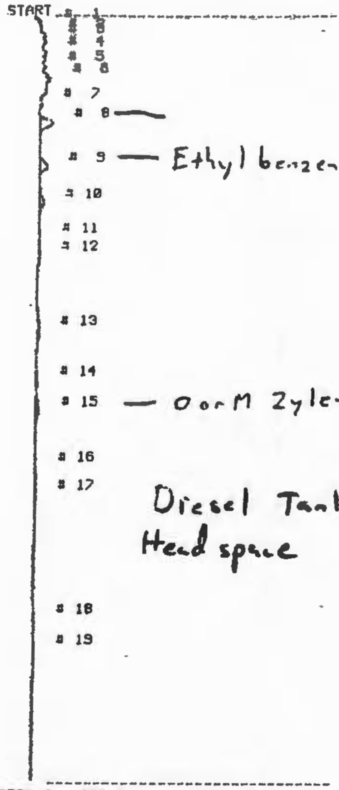
COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. PARSONS

CLIENT: ACOE JOB NO. 726518 SHEET 8 OF 16

SUBJECT: Soil Gas SEAD 64D BY: KKS DATE 6/12/94

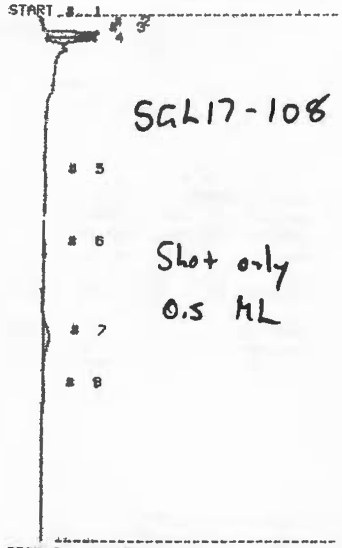
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 12:35
ANALYSIS # 26 DIESEL TANK HS
INTERNAL TEMP 35 0.02 ML
GAIN 10 SYR R

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	8	86.9	278.0 mVS
UNKNOWN	9	121.1	184.6 mVS
UNKNOWN	10	150.2	132.4 mVS
UNKNOWN	15	319.7	121.5 mVS

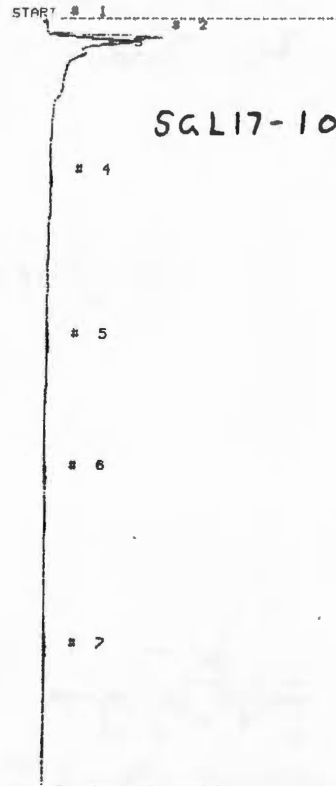
PHOTOVAC



STOP @ 411.0
SAMPLE LIBRARY 1 JUN 12 94 12:44
ANALYSIS # 27 SGL17-108
INTERNAL TEMP 36 0.5 ML
GAIN 10 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
~~UNKNOWN~~	~~2~~	~~15.3~~	~~579.9 mVS~~
~~UNKNOWN~~	~~3~~	~~19.8~~	~~412.4 mVS~~
UNKNOWN	7	256.3	374.3 mVS

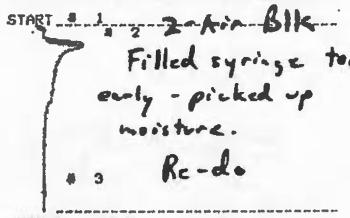
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 13: 3
ANALYSIS # 30 SGL17-109
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR D

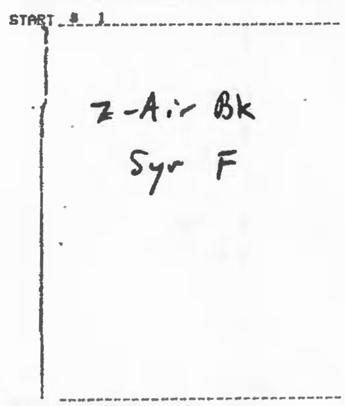
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.0	485.8 mVS

PHOTOVAC



STOP @ 145.8
SAMPLE LIBRARY 1 JUN 12 94 12:47
ANALYSIS # 28 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR F

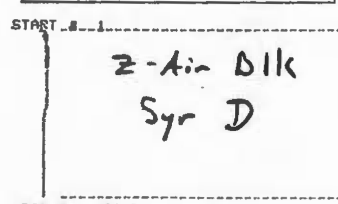
PHOTOVAC



STOP @ 298.5
SAMPLE LIBRARY 1 JUN 12 94 12:52
ANALYSIS # 29 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR F

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 130.0
SAMPLE LIBRARY 1 JUN 12 94 13: 8
ANALYSIS # 31 Z AIR BLK
INTERNAL TEMP 38 1.0 ML
GAIN 10 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

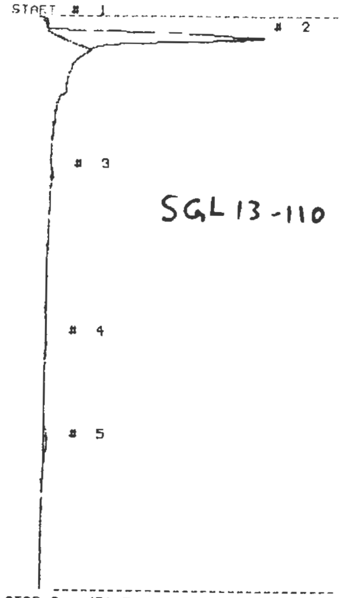
PARSONS MAIN, INC. | **PARSONS**

CLIENT: ACOE | JOB NO. 720518 | SHEET 9 OF 16

SUBJECT: Soil Gas - SEAD 64D | BY: KK | DATE 6/12/94

PHOTOVAC

START # 1



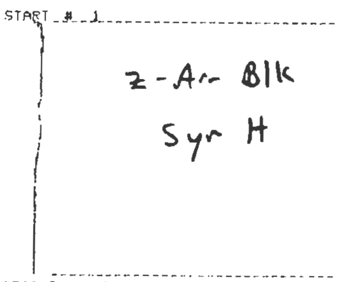
SGL13-110

STOP @ 451.0
SAMPLE LIBRARY 1 JUN 12 94 13:13
ANALYSIS # 32 SLG13-110
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.3	4.4 VS
UNKNOWN	5	338.3	248.6 mVS

PHOTOVAC

START # 1



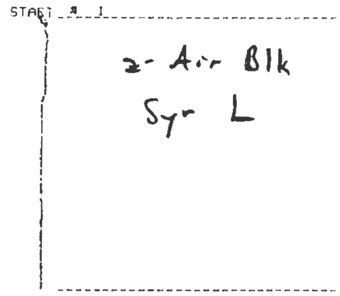
z-Air Blk
Syr H

STOP @ 195.4
SAMPLE LIBRARY 1 JUN 12 94 13:17
ANALYSIS # 33 Z AIR BLK
INTERNAL TEMP 38 1.0 ML
GAIN 10 SYR H

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



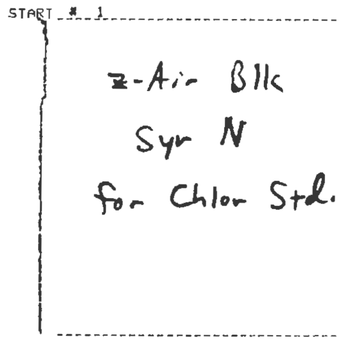
z-Air Blk
Syr L

STOP @ 212.1
SAMPLE LIBRARY 1 JUN 12 94 13:23
ANALYSIS # 34 Z AIR BLK
INTERNAL TEMP 38 1.0 ML
GAIN 10 SYR L

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



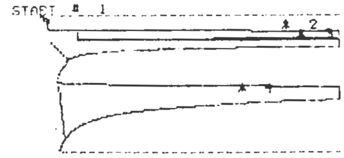
z-Air Blk
Syr N
for Chlor Std.

STOP @ 247.0
SAMPLE LIBRARY 1 JUN 12 94 13:27
ANALYSIS # 35 Z AIR BLK
INTERNAL TEMP 38 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



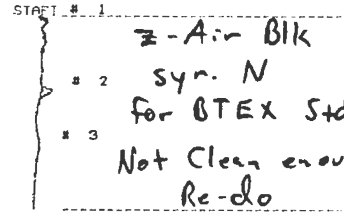
STOP @ 107.7
SAMPLE LIBRARY 1 JUN 12 94 13:30
ANALYSIS # 36 5 PPM CHLOR STD
INTERNAL TEMP 39 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.6	10.2 VS
UNKNOWN	3	22.5	11.[illegible] VS
UNKNOWN	4	62.[illegible]	23.[illegible] V[illegible]

5 ppm Chlor. Std.

PHOTOVAC

START # 1



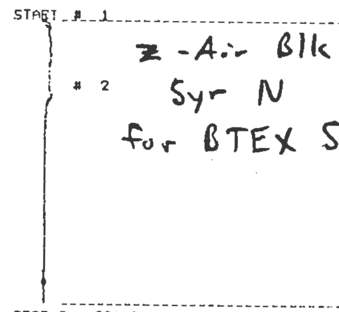
z-Air Blk
syr. N
for BTEX Std.
Not Clean enough
Re-do

STOP @ 151.0
SAMPLE LIBRARY 1 JUN 12 94 13:32
ANALYSIS # 37 Z AIR BLK
INTERNAL TEMP 40 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	61.1	136.0 mVS

PHOTOVAC

START # 1



z-Air Blk
Syr N
for BTEX Std

STOP @ 221.2
SAMPLE LIBRARY 1 JUN 12 94 13:37
ANALYSIS # 38 Z AIR BLK
INTERNAL TEMP 39 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

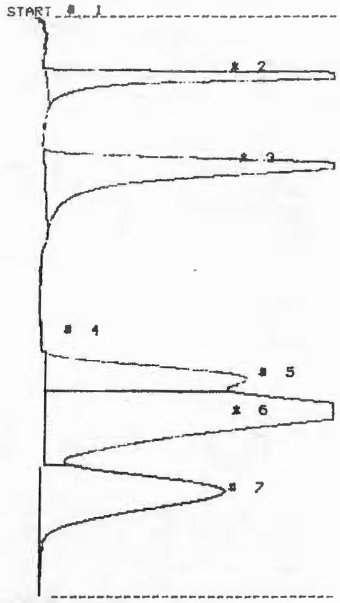
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. 72051B SHEET 10 OF 16

SUBJECT: Soil Gas - SEAD 64D BY: KKS DATE: 6/12/94

PHOTOVAC

START # 1



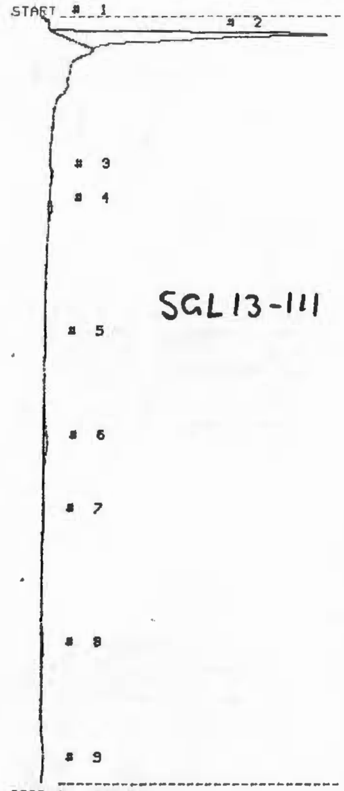
STOP @ 455.9
SAMPLE LIBRARY 1 JUN 12 94 13:45
ANALYSIS # 39 5 PPM BTEX STD
INTERNAL TEMP 38 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	46.9	12.4 US
UNKNOWN	3	118.6	16.2 US
UNKNOWN	5	288.8	12.3 US
UNKNOWN	6	312.7	42.0 US
UNKNOWN	7	378.5	17.6 US

5 ppm BTEX Std.

PHOTOVAC

START # 1



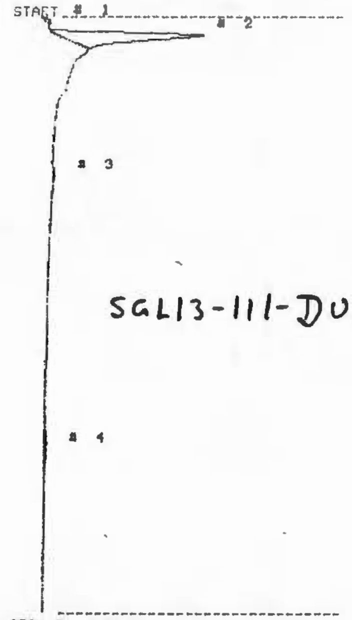
SGL13-111

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 13:55
ANALYSIS # 40 SGL13-111
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR K

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.0	4.8 US
UNKNOWN	6	337.7	382.2 mUS

PHOTOVAC

START # 1



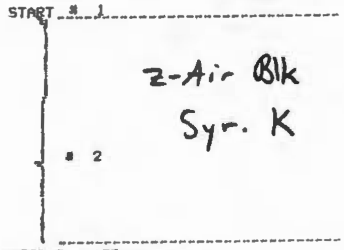
SGL13-111-DUP

STOP @ 466.1
SAMPLE LIBRARY 1 JUN 12 94 14:9
ANALYSIS # 42 SGL13-111 DUP
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	2.8 US

PHOTOVAC

START # 1



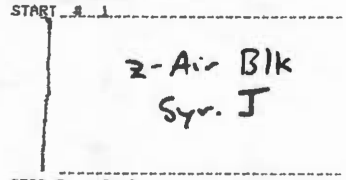
Z-Air Blk
Syr. K

STOP @ 175.4
SAMPLE LIBRARY 1 JUN 12 94 14:1
ANALYSIS # 41 Z AIR STD
INTERNAL TEMP 38 1.0 ML
GAIN 10 SYR K

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1



Z-Air Blk
Syr. J

STOP @ 121.2
SAMPLE LIBRARY 1 JUN 12 94 14:11
ANALYSIS # 43 Z AIR BLK
INTERNAL TEMP 39 1.0 ML
GAIN 10 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

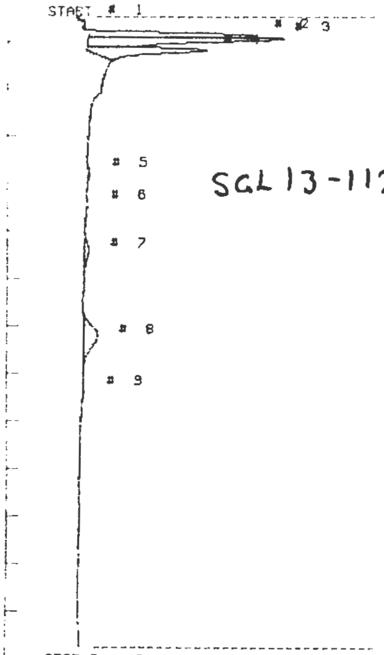
PARSONS MAIN, INC. PARSONS

CLIENT: ACOE JOB NO. 720518 SHEET 11 OF 16

SUBJECT: Soil Gas - SEAD 64D BY: KKS DATE 6/12/94

PHOTOVAC

START # 1

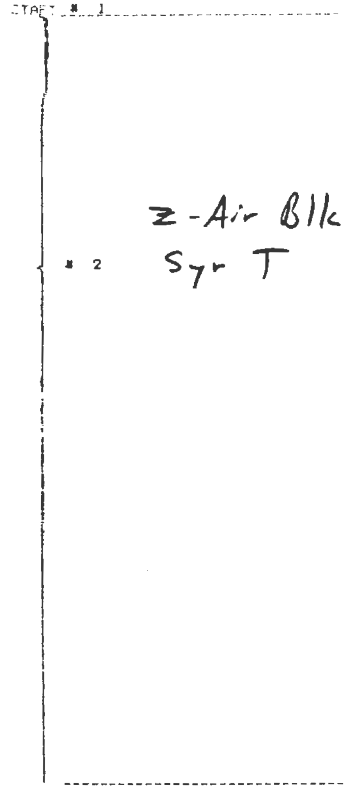


STOP @ 494.4
SAMPLE LIBRARY 1 JUN 12 94 14:20
ANALYSIS # 44 SGL13-112
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR T

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	1.6 VS
UNKNOWN	3	18.5	3.2 VS
UNKNOWN	4	27.6	1.9 VS
UNKNOWN	7	196.3	[illegible]
UNKNOWN	8	255.8	536.4 mV

PHOTOVAC

START # 1

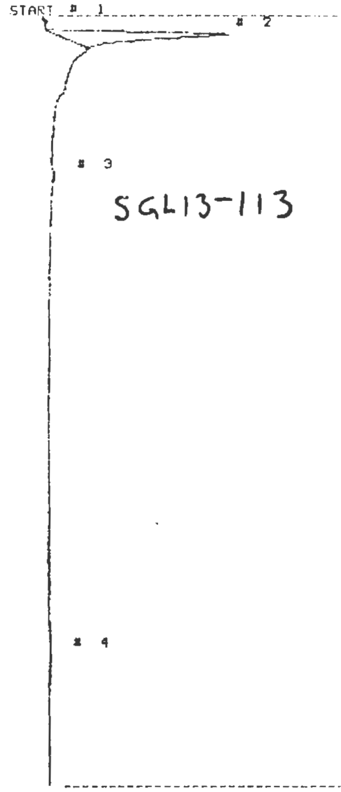


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 14:30
ANALYSIS # 45 Z AIR BLK
INTERNAL TEMP 38 1.0 ML
GAIN 10 SYR T

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

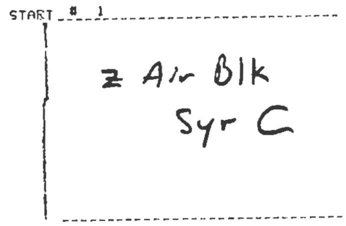


STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 14:46
ANALYSIS # 46 SGL13-113
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	3.2 VS

PHOTOVAC

START # 1



STOP @ 157.1
SAMPLE LIBRARY 1 JUN 12 94 14:52
ANALYSIS # 47 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR C

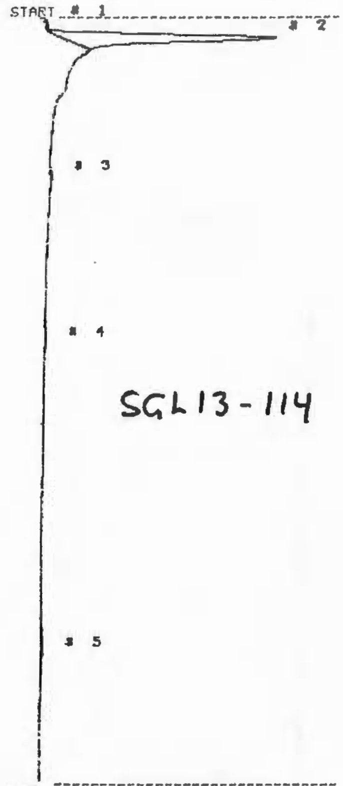
COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. 720518 SHEET 12 OF 16

SUBJECT Soil Gas - SEAD 64D BY KKS DATE 6/12/94

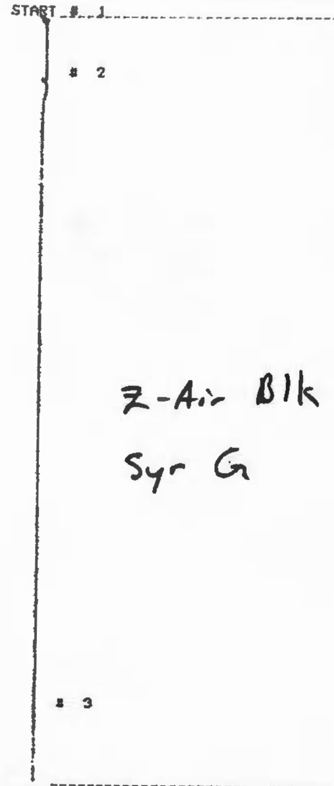
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 15: 2
ANALYSIS # 48 SGL13-114
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR 8

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.9	4.2 VS
UNKNOWN	5	490.6	114.3 mVS

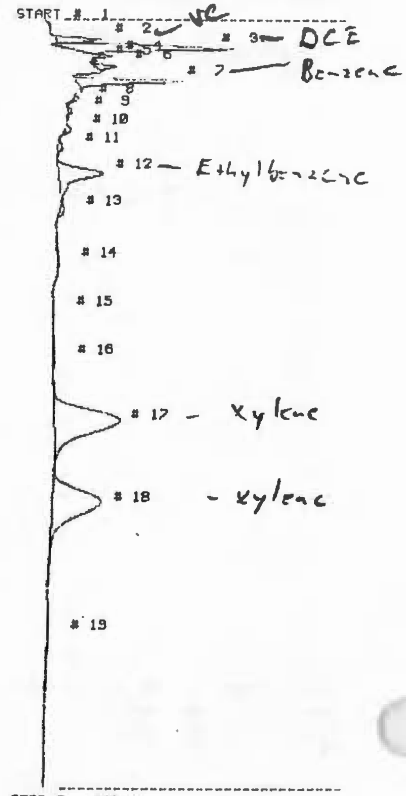
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 15:13
ANALYSIS # 49 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR 8

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 15:41
ANALYSIS # 50 MW25-2
INTERNAL TEMP 35 0.25 ML
GAIN 10 SYR 11

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	17.2	547.9 mVS
UNKNOWN	3	23.3	2.1 VS
UNKNOWN	6	37.5	167.7 mVS
UNKNOWN	7	42.7	[illegible] VS
UNKNOWN	12	87.5	125.3 mVS
UNKNOWN	[illegible]	122.9	[illegible] VS
UNKNOWN	[illegible]	[illegible]	4.5 [illegible]
UNKNOWN	18	[illegible]	[illegible]
UNKNOWN	[illegible]	4[illegible].4	162.9 mVS

MW25-2 Headspace

not at 64D

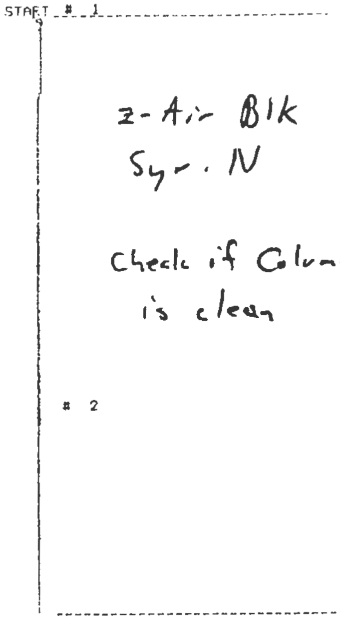
@ SEAD-25

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. 720518 SHEET 13 OF 16

SUBJECT: Soil Gas - SEAD 64D BY: KKS DATE 6/12/94

PHOTOVAC



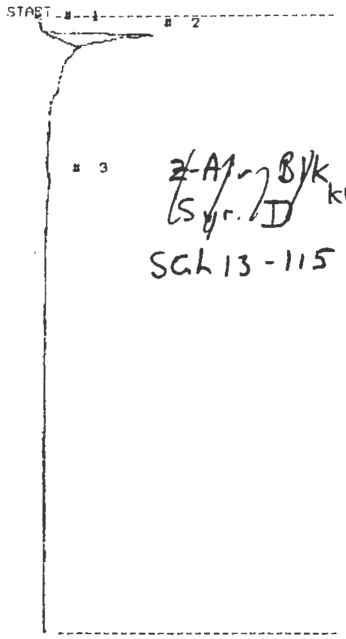
Z-Air Blk
Syr. N

Check if Column is clean

STOP @ 470.0
SAMPLE LIBRARY 1 JUN 12 94 15:50
ANALYSIS # 51 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



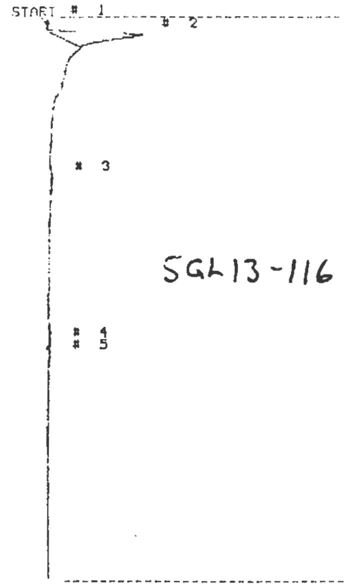
~~Z-Air Blk Syr. D~~ KKS

SGL13-115

STOP @ 482.9
SAMPLE LIBRARY 1 JUN 12 94 15:58
ANALYSIS # 52 SGL13-115
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR D

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	1.6 US

PHOTOVAC

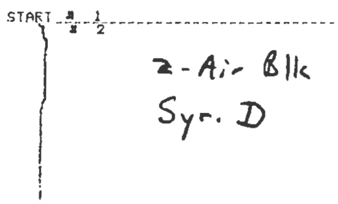


SGL13-116

STOP @ 441.3
SAMPLE LIBRARY 1 JUN 12 94 16:11
ANALYSIS # 54 SGL13-116
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	1.6 US

PHOTOVAC

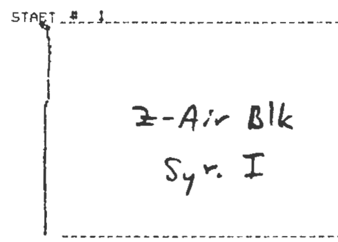


Z-Air Blk
Syr. D

STOP @ 144.3
SAMPLE LIBRARY 1 JUN 12 94 16: 2
ANALYSIS # 53 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



Z-Air Blk
Syr. I

STOP @ 167.7
SAMPLE LIBRARY 1 JUN 12 94 16:14
ANALYSIS # 55 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR I

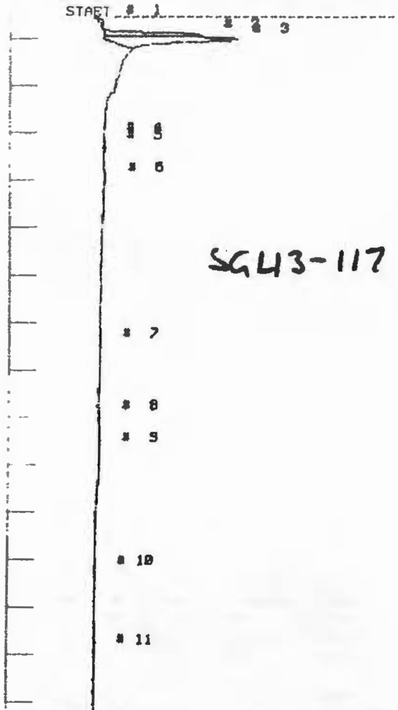
COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. PARSONS

CLIENT: ACOE — JOB NO. 720518 — SHEET 14 OF 16

SUBJECT: Soil Gas - SEAD 64D — BY: KKS — DATE: 6/12/94

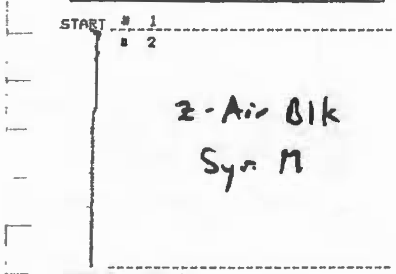
PHOTOVAC



STOP @ 544.8
SAMPLE LIBRARY 1 JUN 12 94 16:24
ANALYSIS # 56 SGL13-117
INTERNAL TEMP 36 1.0 ML
GAIN 10 STR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	935.8 mUS
UNKNOWN	3	16.6	1.9 US

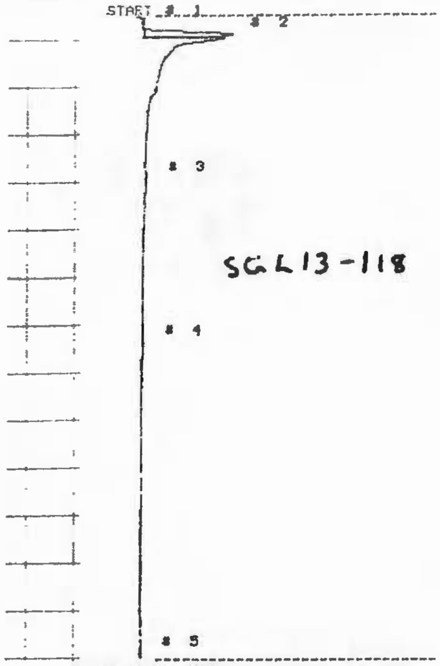
PHOTOVAC



STOP @ 184.3
SAMPLE LIBRARY 1 JUN 12 94 16:27
ANALYSIS # 57 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 STR M

COMPOUND NAME PEAK R.T. AREA/PPM

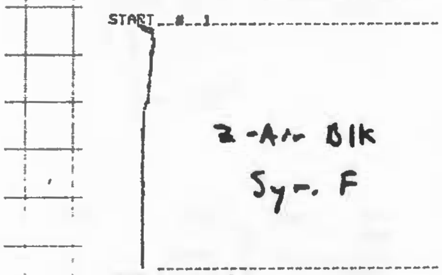
PHOTOVAC



STOP @ 503.3
SAMPLE LIBRARY 1 JUN 12 94 16:36
ANALYSIS # 58 SGL13-118
INTERNAL TEMP 36 1.0 ML
GAIN 10 STR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.7	1.0 US

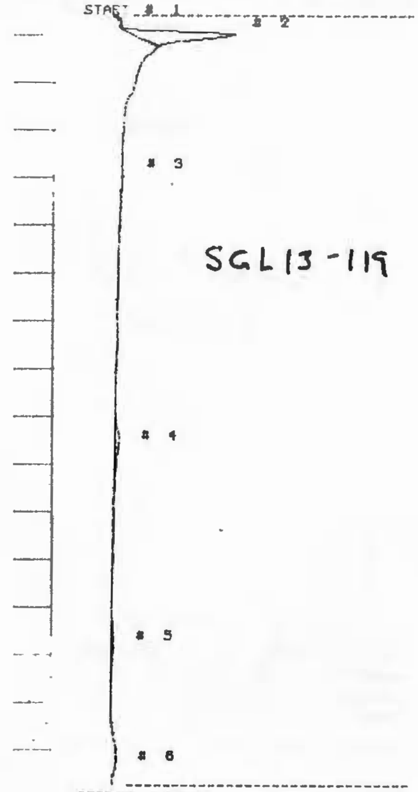
PHOTOVAC



STOP @ 189.8
SAMPLE LIBRARY 1 JUN 12 94 16:33
ANALYSIS # 59 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 STR F

COMPOUND NAME PEAK R.T. AREA/PPM

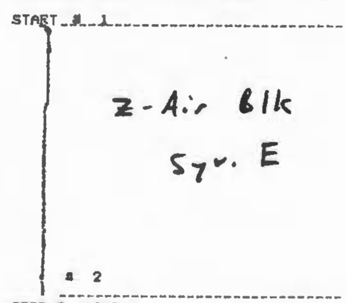
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 12 94 16:50
ANALYSIS # 60 SGL13-119
INTERNAL TEMP 36 1.0 ML
GAIN 10 STR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	2.0 US
UNKNOWN	4	338.3	325.3 mUS

PHOTOVAC



STOP @ 210.4
SAMPLE LIBRARY 1 JUN 12 94 16:54
ANALYSIS # 61 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 STR E

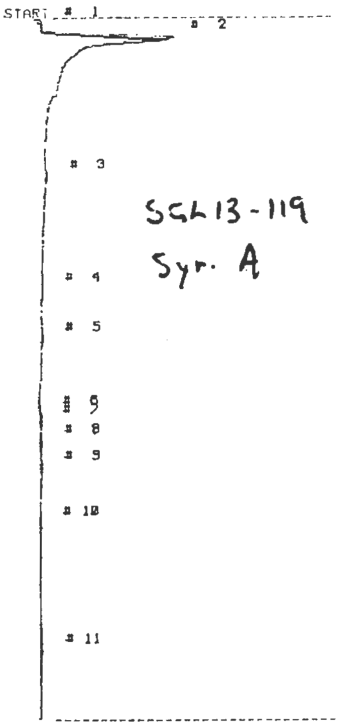
COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. 720518 SHEET 15 OF 16

SUBJECT: Soil Gas - SEAD 64D BY: KKS DATE: 6/12/94

PHOTOVAC

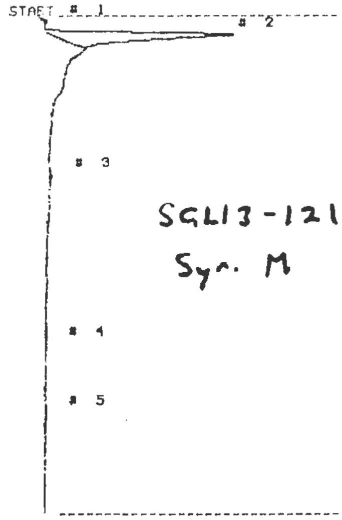


SGL13-119
Syr. A

STOP @ 549.0
SAMPLE LIBRARY 1 JUN 12 94 17: 3
ANALYSIS # 62 SGL13-119
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	386.6 mVS

PHOTOVAC

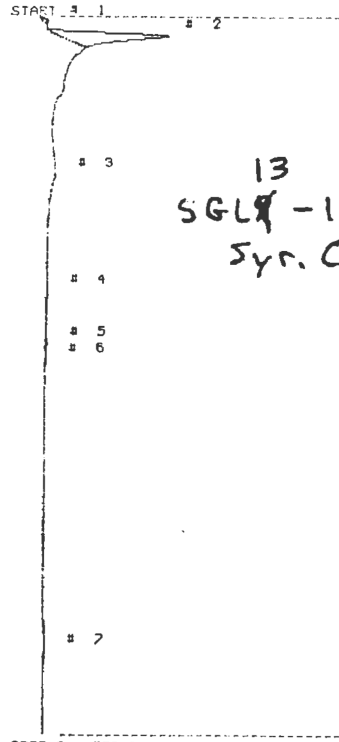


SGL13-121
Syr. M

STOP @ 388.4
SAMPLE LIBRARY 1 JUN 12 94 17:15
ANALYSIS # 64 SGL13-121
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	3.2 VS

PHOTOVAC

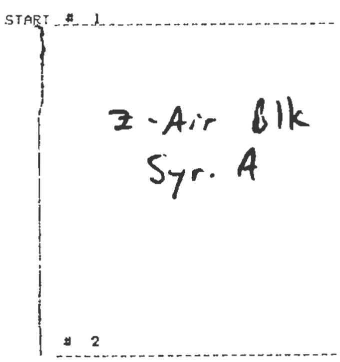


SGL~~9~~13-123
Syr. C

STOP @ 559.9
SAMPLE LIBRARY 1 JUN 12 94 17:31
ANALYSIS # 66 SGL13-123
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	2.[illegible] VS

PHOTOVAC

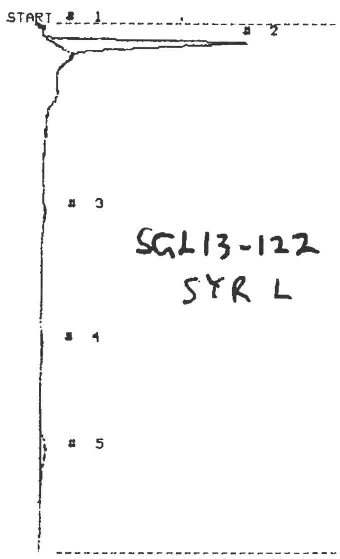


Z-Air Blk
Syr. A

STOP @ 256.0
SAMPLE LIBRARY 1 JUN 12 94 17: 8
ANALYSIS # 63 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR A

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

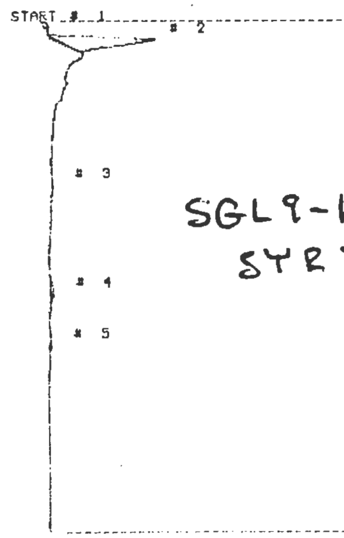


SGL13-122
SYR L

STOP @ 412.5
SAMPLE LIBRARY 1 JUN 12 94 17:22
ANALYSIS # 65 SGL13-122
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR L

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	1.4 VS
UNKNOWN	5	336.1	365.9 mVS

PHOTOVAC



SGL9-124
SYR J

STOP @ 399.3
SAMPLE LIBRARY 1 JUN 12 94 17:39
ANALYSIS # 67 SGL9-124
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.3	[illegible]
UNKNOWN	4	314.	[illegible]

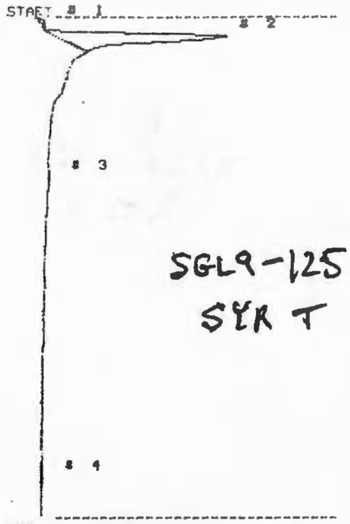
PARSONS MAIN, INC. **PARSONS**

CLIENT: AcoE — JOB NO. 720518 — SHEET 16 OF 16

SUBJECT: Soil Gas - SEAD 64D — BY: Pfm XKS — DATE: 6/12/94

CKD.

PHOTOVAC



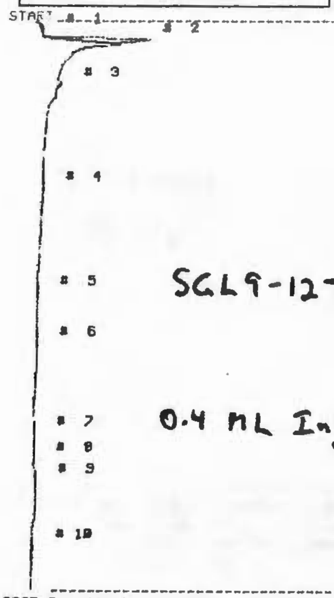
SGL9-125

SYR T

STOP @ 391.6
SAMPLE LIBRARY 1 JUN 12 94 17:46
ANALYSIS # 68 SGL9-125
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR T

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	3.6 VS

PHOTOVAC



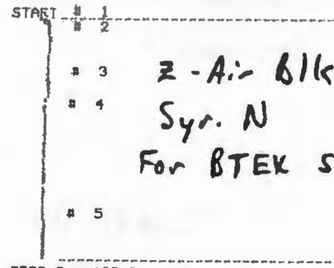
SGL9-127

0.4 mL Inj.

STOP @ 444.1
SAMPLE LIBRARY 1 JUN 12 94 18: 7
ANALYSIS # 71 SLG9-127
INTERNAL TEMP 37 0.4 ML
GAIN 10 SYR B

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	647.0 mVS

PHOTOVAC



Z-Air blk

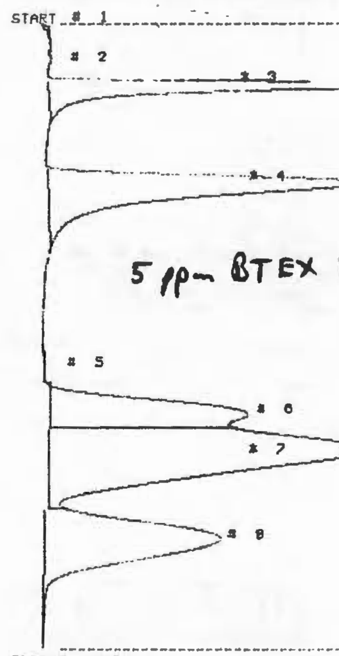
Syr. N

For BTEX STD

STOP @ 188.3
SAMPLE LIBRARY 1 JUN 12 94 18:11
ANALYSIS # 72 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC

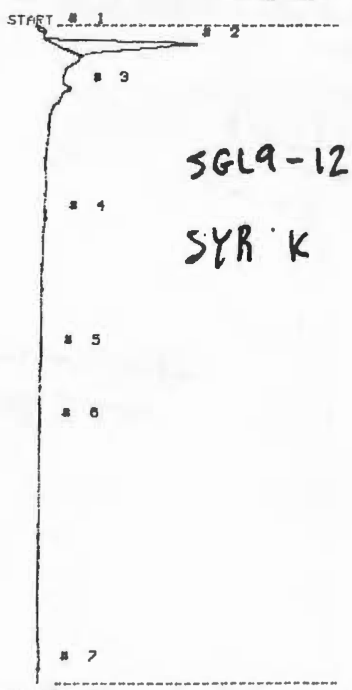


5 ppm BTEX STD

STOP @ 488.2
SAMPLE LIBRARY 1 JUN 12 94 18:19
ANALYSIS # 73 5 PPM BTEX STD
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	48.8	13.7 VS
UNKNOWN	4	126.0	27.7 VS
UNKNOWN	6	[illegible]	[illegible] VS
UNKNOWN	7	335.6	49.5 VS
UNKNOWN	8	425.2	[illegible] VS

PHOTOVAC



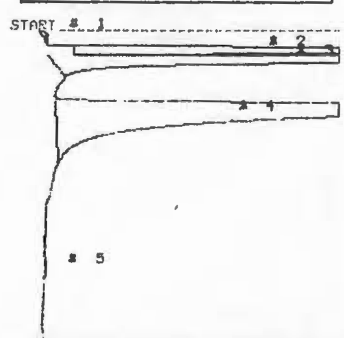
SGL9-126

SYR K

STOP @ 510.4
SAMPLE LIBRARY 1 JUN 12 94 17:55
ANALYSIS # 69 SGL9-126
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR K

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	2.6 VS

PHOTOVAC



STOP @ 241.2
SAMPLE LIBRARY 1 JUN 12 94 17:59
ANALYSIS # 70 5 PPM CHLOR STD
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.7	10.6 VS
UNKNOWN	3	22.7	11.9 VS
UNKNOWN	4	[illegible]	[illegible] VS

End of Day

PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. 720518 SHEET 1 OF

SUBJECT Soil Gas - SEAD 64D BY KKS DATE 6/13/94

PHOTOVAC

JUN 13 94 7:4

FIELD: 30
POWER: 14

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

new septum
blew out port

PHOTOVAC

START # 1

Z-Air Blk
Syr M

2
3

STOP @ 287.3
SAMPLE LIBRARY 1 JUN 13 94 7:21
ANALYSIS # 1 Z AIR BLK
INTERNAL TEMP 25 1.0 ML
GAIN 10 SYR M

OFFSET	1.0	mV
CHART SPEED	1	cm/Min
SLOPE SENS.	5 10 4	mV/Sec
WINDOW +/-	1	Percent
MINIMUM AREA	100	mVSec
TIMER DELAY	10.0	Sec
ANALYSIS TIME	600.0	Sec
CYCLE TIME	0	Min

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk
Syr. C

2

STOP @ 338.4
SAMPLE LIBRARY 1 JUN 13 94 7:27
ANALYSIS # 2 Z AIR BLK
INTERNAL TEMP 28 1.0 ML
GAIN 10 SYR C

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1
2

Z-Air Blk
Syr. C

STOP @ 230.8
SAMPLE LIBRARY 1 JUN 13 94 7:31
ANALYSIS # 3 Z AIR BLK
INTERNAL TEMP 28 1.0 ML
GAIN 10 SYR L

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1
2

Z-Air Blk
Syr. J

STOP @ 205.5
SAMPLE LIBRARY 1 JUN 13 94 7:35
ANALYSIS # 4 Z AIR BLK
INTERNAL TEMP 29 1.0 ML
GAIN 10 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

2

Z-Air Blk
Syr. T

3

STOP @ 333.5
SAMPLE LIBRARY 1 JUN 13 94 7:40
ANALYSIS # 5 Z AIR BLK
INTERNAL TEMP 29 1.0 ML
GAIN 10 SYR T

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1
2

Z-Air Blk
Syr. K

3
4
5

STOP @ 178.7
SAMPLE LIBRARY 1 JUN 13 94 7:44
ANALYSIS # 6 Z AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 10 SYR K

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

2
3

Z-Air Blk
Syr. G

4
5
6

STOP @ 232.5
SAMPLE LIBRARY 1 JUN 13 94 7:48
ANALYSIS # 7 Z AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 10 SYR G

COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. PARSONS

CLIENT: ACOE　　JOB NO. 720 518　　SHEET 2 OF ____

SUBJECT: Soil Gas - SEAD 64D　　BY: KKS　　DATE: 6/13/94

CKD. ____

PHOTOVAC

START # 1
2

Z-Air Blk
Syr. Q

For Chlor. Std.
Prep.

3
4
5
6

STOP @ 427.7
SAMPLE LIBRARY 1 JUN 13 94 8:2
ANALYSIS # 8 Z AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 10 STR Q

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk
Syr. P

For BTEX Std.
Prep.

2
3

STOP @ 325.4
SAMPLE LIBRARY 1 JUN 13 94 8:8
ANALYSIS # 9 Z AIR BLK
INTERNAL TEMP 31 1.0 ML
GAIN 10 STR P

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC

START # 1

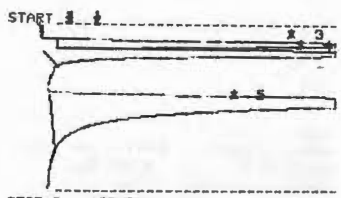
Z-Air Blk
Syr N

For Chlor Std

STOP @ 419.0
SAMPLE LIBRARY 1 JUN 13 94 8:16
ANALYSIS # 10 Z AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 10 STR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC

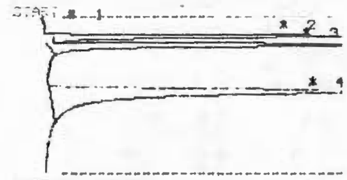


STOP @ 128.8
SAMPLE LIBRARY 1 JUN 13 94 8:30
ANALYSIS # 11 5 PPM CHLOR STD
INTERNAL TEMP 32 1.0 ML
GAIN 10 STR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	15.9	5.6 VS
UNKNOWN	4	22.7	3. VS
UNKNOWN	5	6[illegible].6	[illegible].2 VS

Syr. Felt plugged.
Retention times same as yesterday - but areas are much smaller

PHOTOVAC

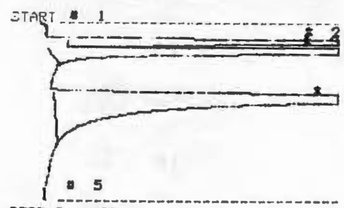


STOP @ 123.5
SAMPLE LIBRARY 1 JUN 13 94 8:32
ANALYSIS # 12 5 PPM CHLOR STD
INTERNAL TEMP 33 0.4 ML
GAIN 10 STR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	2.4 VS
UNKNOWN	3	2[illegible].6	3.5 VS
UNKNOWN	4	59.8	7.[illegible] VS

2 ppm Chlor Std
by Volume

PHOTOVAC



STOP @ 138.1
SAMPLE LIBRARY 1 JUN 13 94 8:35
ANALYSIS # 13 5 PPM CHLOR STD
INTERNAL TEMP 33 1.0 ML
GAIN 10 STR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.4	5.3 VS
UNKNOWN	3	22.4	[illegible] VS
UNKNOWN	4	53.6	[illegible].0 VS

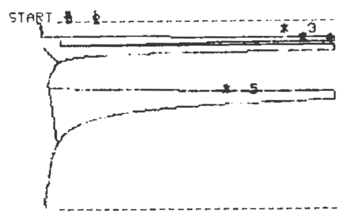
5 ppm Chlor Std.
Same as #11 - making Fresh Tedlar Bag and another 5 ppm Std

PARSONS MAIN, INC. **PARSONS**

CLIENT ACOE JOB NO. 720 518 SHEET 3 OF

SUBJECT Soil Gas - SEAD 64D BY KKS DATE 6/13/94

PHOTOVAC

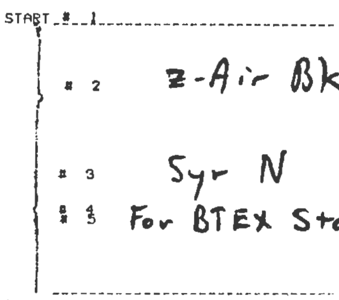


STOP @ 145.5
SAMPLE LIBRARY 1 JUN 13 94 8:46
ANALYSIS # 14 5 PPM CHLOR STD
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	15.5	5.9	VS
UNKNOWN	4	[illegible]	8.8	VS
UNKNOWN	5	62.0	[illegible]	VS

5 ppm Chlor Std.
same as before -
Syr. Q feels loose -
will try another plunger
tip.

PHOTOVAC



Z-Air Bk

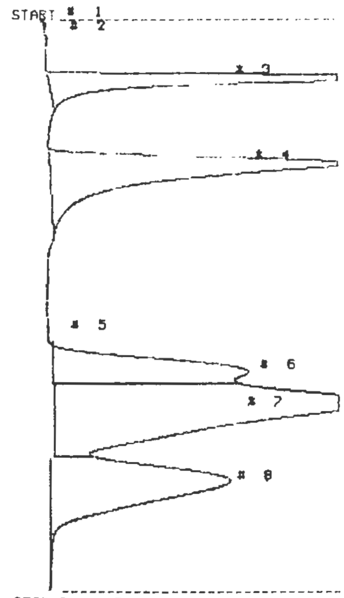
Syr N

For BTEX Std.

STOP @ 210.5
SAMPLE LIBRARY 1 JUN 13 94 8:54
ANALYSIS # 15 Z AIR BLK
INTERNAL TEMP 32 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

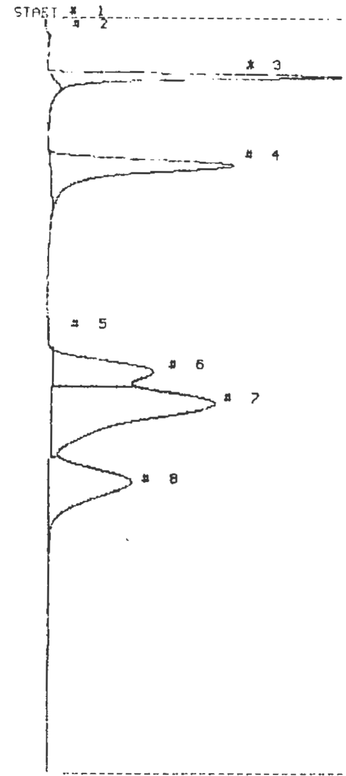


STOP @ 447.4
SAMPLE LIBRARY 1 JUN 13 94 9: 3
ANALYSIS # 16 5 PPM BTEX STD
INTERNAL TEMP 32 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	46.2	12.4	VS
UNKNOWN	4	[illegible].5	[illegible]	VS
UNKNOWN	6	[illegible]	[illegible]	VS
UNKNOWN	7	[illegible]	[illegible]	VS
UNKNOWN	8	[illegible]	[illegible]	VS

5 ppm BTEX Std.

PHOTOVAC



STOP @ 583.6
SAMPLE LIBRARY 1 JUN 13 94 9:20
ANALYSIS # 17 5 PPM BTEX STD
INTERNAL TEMP 32 0.4 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	46.5	4.4	VS
UNKNOWN	4	116.7	7.3	VS
UNKNOWN	6	[illegible]	[illegible]	VS
UNKNOWN	7	[illegible]	[illegible]	[illegible]
[illegible]	8	[illegible]	[illegible]	[illegible]

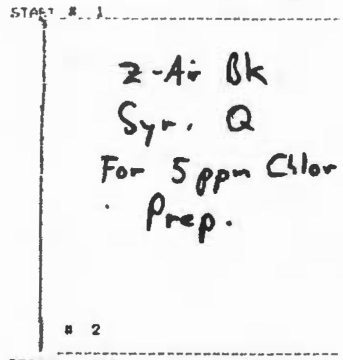
2 ppm BTEX Std
by Volume

PARSONS MAIN, INC. PARSONS

CLIENT: ACOE JOB NO. 720518 SHEET 4 OF ____

SUBJECT: Soil Gas - SEAD 64D BY: KKS DATE: 6/13/94

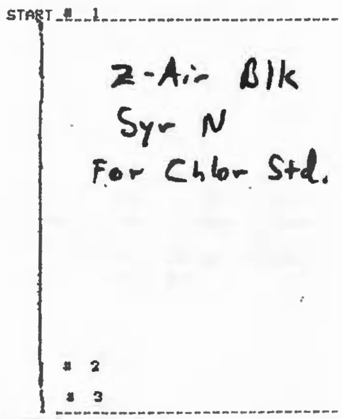
PHOTOVAC



STOP @ 261.1
SAMPLE LIBRARY 1 JUN 13 94 9:25
ANALYSIS # 18 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR Q

COMPOUND NAME PEAK R.T. AREA/PPM

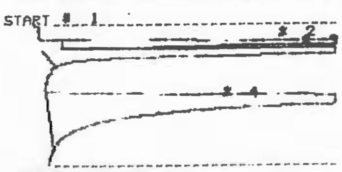
PHOTOVAC



STOP @ 307.0
SAMPLE LIBRARY 1 JUN 13 94 9:34
ANALYSIS # 19 Z AIR BLK --
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

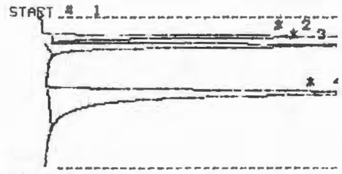


STOP @ 103.4
SAMPLE LIBRARY 1 JUN 13 94 9:37
ANALYSIS # 20 5 PPM CHLOR STD
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.5	6.0	VS
UNKNOWN	3	22.2	9.1	VS
UNKNOWN	4	6[illegible] 4	19.3	VS

5 ppm Chlor ~~Std~~
no change - I'm stumped

PHOTOVAC

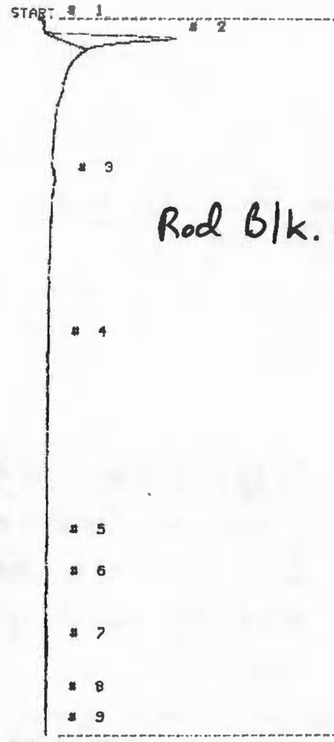


STOP @ 117.6
SAMPLE LIBRARY 1 JUN 13 94 9:48
ANALYSIS # 21 5 PPM CHLOR STD
INTERNAL TEMP 35 0.4 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.3	2.4	VS
UNKNOWN	3	22.7	3.7	VS
UNKNOWN	4	6[illegible].5	7.9	VS

25 ppm Chlor Std By Volume KKS

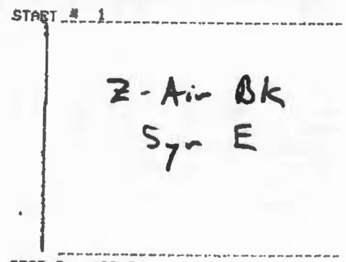
PHOTOVAC



STOP @ 558.3
SAMPLE LIBRARY 1 JUN 13 94 10:41
ANALYSIS # 22 ROD BLK
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	16.4	2.1	VS

PHOTOVAC



STOP @ 180.2
SAMPLE LIBRARY 1 JUN 13 94 10:44
ANALYSIS # 23 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR E

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

STOP @ 29.1
SAMPLE LIBRARY 1 JUN 13 94 10:46
ANALYSIS # 24 NO INJ
INTERNAL TEMP 34 ~~1.0 ML~~ KKS
GAIN 10 ~~SYR E~~

COMPOUND NAME PEAK R.T. AREA/PPM

SOIL GAS CALIBRATION RESPONSE FACTORS: BTEX

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/13/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD - 64D		Operator: Kenny Smith

Instrument Specs:		BTEX Calibration Gas Specifications		
Type of GC:	Photovac 10S50	Manfacturer:	Cameo	Lot#:
Column Type:	CPSil-5	Concentration (ppmV):		100
Col. Temp. (°C):	40°	Concentration: (ppmV)	Benzene	98.6
Chart Speed:	1 cm/sec		Toluene	97.4
Gain:	10		Ethylbenzene	95.5
Sensitivity:	5/10		O–Xylene	94.5
Gas Flow Rate:	7		M–Xylene	95.0
Tank Pressure:	1300/1500		P–Xylene	93.0

Analysis A
Inj. #: 16

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF			
Benzene	46.2	4.93	12.4	0.40			
Toluene	114.5	4.87	18.3	0.27			
Ethylbenzene	279.8	4.77	11.8	0.40			
O–Xylene	302.3	4.73	41.5	0.11			
M–Xylene	↓	4.75	↓	↓			
P–Xylene	366.3	4.65	18.4	0.25			

8

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 17

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene	46.5	1.97	4.4	0.45	-0.03		
Toluene	116.7	1.95	7.5	0.26	0.01		
Ethylbenzene	280.8	1.91	6.0	0.32	0.06		
O–Xylene	305.9	1.89	14.9	0.13	-0.04		
M–Xylene	↓	1.90	↓	↓	↓		
P–Xylene	369.1	1.86	7.1	0.26	-0.01		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A−B)/(A+B)/2

B = -.05/.85/2
T = .01/.53/2
E = .08/.72/2
O+M = -.02/.24/2
P = -.01/.51/2

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene							
Toluene							
Ethylbenzene							
O–Xylene							
M–Xylene							
P–Xylene							

Comments:
Concentration is normalized to 1 ml.

SOIL GAS CALIBRATION RESPONSE FACTORS: CHLORINATED

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/13/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD - 64 D		Operator: Kerry Smith

Instrument Specs:	
Type of GC:	Photovac 10S 50
Column Type:	CPSil-5
Col. Temp. (°C):	40°
Chart Speed:	1 cm/sec
Gain:	10
Sensitivity:	5/10
Gas Flow Rate:	7
Tank Pressure:	1300/1500

Chlorinated Calibration Gas Specifications		
Manfacturer:	Scott	Lot#:
Concentration (ppmV):		100
Concentration:	Vinyl Chloride	99.6
(ppmV)	1,1–dichloroethene	98.4
	Trichloroethene	102.0

Analysis A
Inj. #: 20

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF			
VC	15.5	5.10	6.0	0.85			
1,1–DCE	22.2	4.98	9.1	0.55			
TCE	60.4	4.92	19.3	0.25			

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 21

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF	Delta RF	RF avg.	
VC	16.3	2.04	2.4	0.85	0.00		
1,1–DCE	22.7	1.99	3.7	0.54	0.00		
TCE	60.5	1.97	7.9	0.25	0.00		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

D - .01/109/2

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration	÷ Area (vs)	= RF	Delta RF	RF avg.	
VC							
1,1–DCE							
TCE							

Comments:
Concentration is normalized to 1 ml.

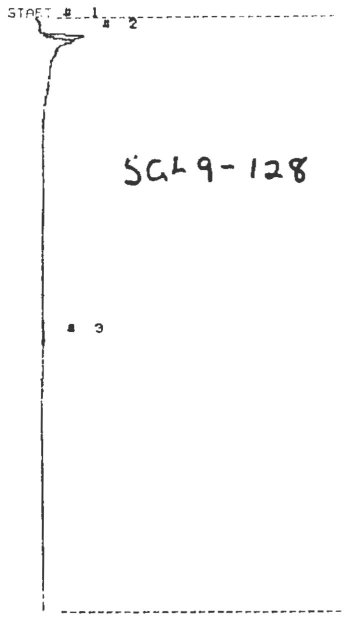
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. 720518 SHEET 7 OF

SUBJECT: Soil Gas - SEAD 64 D BY: KKS DATE: 6/13/94

KD.

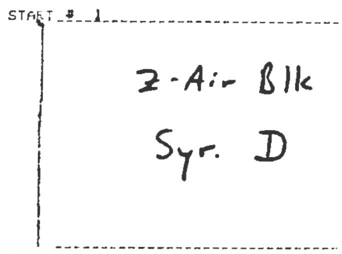
PHOTOVAC



STOP @ 455.9
SAMPLE LIBRARY 1 JUN 13 94 10:54
ANALYSIS # 25 SGL9-128
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR D

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	102.2 mV

PHOTOVAC

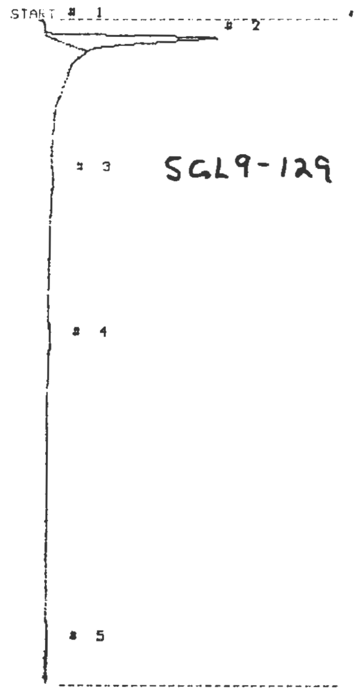


STOP @ 175.5
SAMPLE LIBRARY 1 JUN 13 94 10:57
ANALYSIS # 26 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

Changed Septum

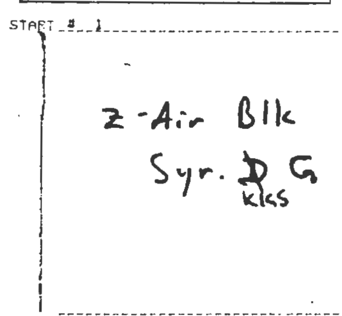
PHOTOVAC



STOP @ 519.8
SAMPLE LIBRARY 1 JUN 13 94 11:8
ANALYSIS # 27 SGL9-129
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR G

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	2.3 US

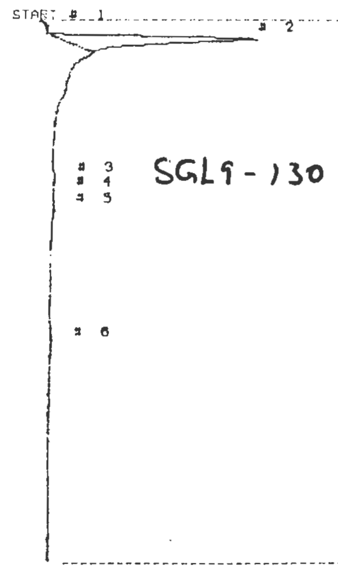
PHOTOVAC



STOP @ 220.2
SAMPLE LIBRARY 1 JUN 13 94 11:9
ANALYSIS # 28 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR G

COMPOUND NAME PEAK R.T. AREA/PPM

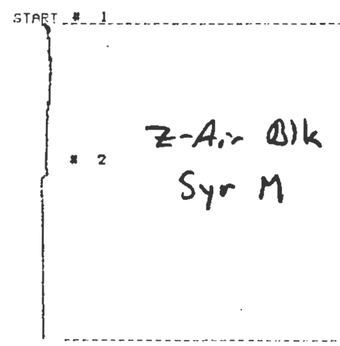
PHOTOVAC



STOP @ 422.6
SAMPLE LIBRARY 1 JUN 13 94 11:17
ANALYSIS # 29 SGL9-130
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	2.6 US

PHOTOVAC



STOP @ 247.0
SAMPLE LIBRARY 1 JUN 13 94 11:21
ANALYSIS # 30 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR M

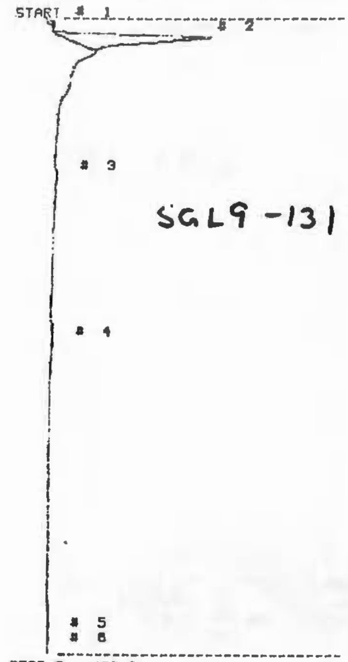
COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. 720 518 SHEET 8 OF ___

SUBJECT: Soil Gas - SEAD 64D BY: KKS DATE: 6/13/94

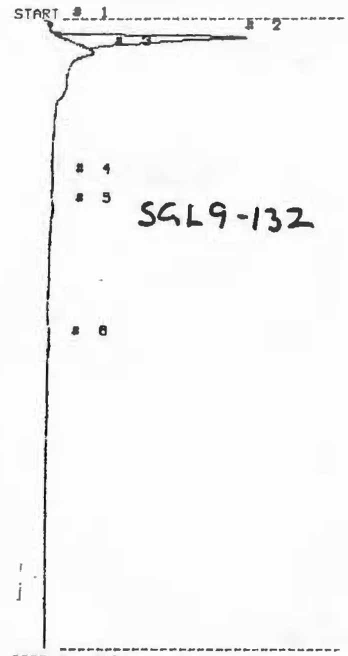
PHOTOVAC



STOP @ 498.2
SAMPLE LIBRARY 1 JUN 13 94 11:34
ANALYSIS # 31 SGL9-131
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.0	2.7 VS

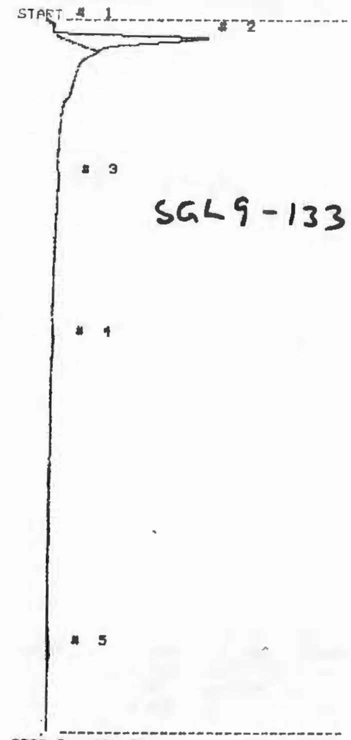
PHOTOVAC



STOP @ 493.1
SAMPLE LIBRARY 1 JUN 13 94 11:47
ANALYSIS # 33 SGL9-132
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR K

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.3	3.1 VS

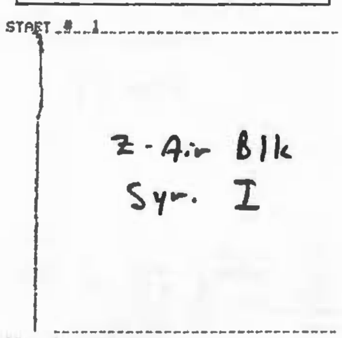
PHOTOVAC



STOP @ 555.6
SAMPLE LIBRARY 1 JUN 13 94 12:0
ANALYSIS # 35 SGL9-133
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR T

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	2.7 VS

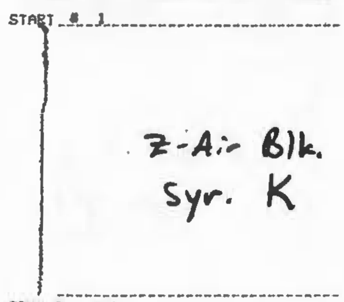
PHOTOVAC



STOP @ 232.7
SAMPLE LIBRARY 1 JUN 13 94 11:38
ANALYSIS # 32 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR I

COMPOUND NAME PEAK R.T. AREA/PPM

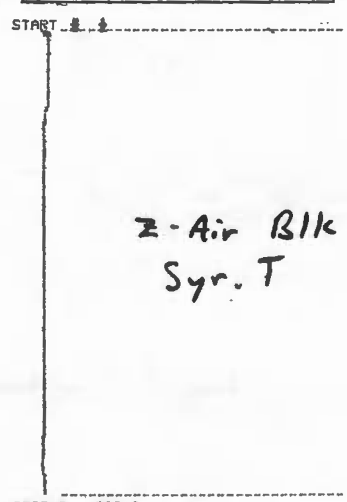
PHOTOVAC



STOP @ 209.1
SAMPLE LIBRARY 1 JUN 13 94 11:50
ANALYSIS # 34 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR K

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 362.2
SAMPLE LIBRARY 1 JUN 13 94 12:5
ANALYSIS # 36 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR T

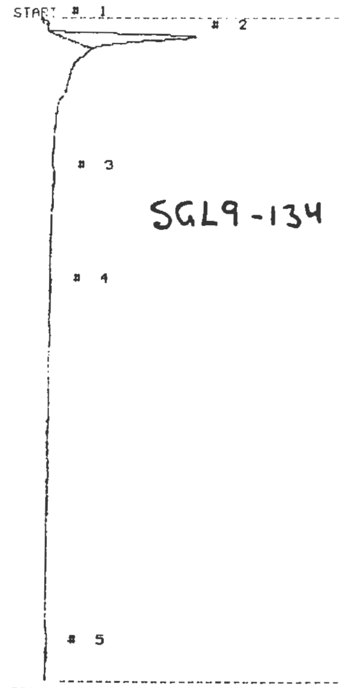
COMPOUND NAME PEAK R.T. AREA/PPM

PARSONS MAIN, INC. **PARSONS**

CLIENT: ACO E JOB NO. 720518 SHEET 9 OF ____

SUBJECT: Soil Gas SEAD 64 D BY: KKS DATE: 6/13/94

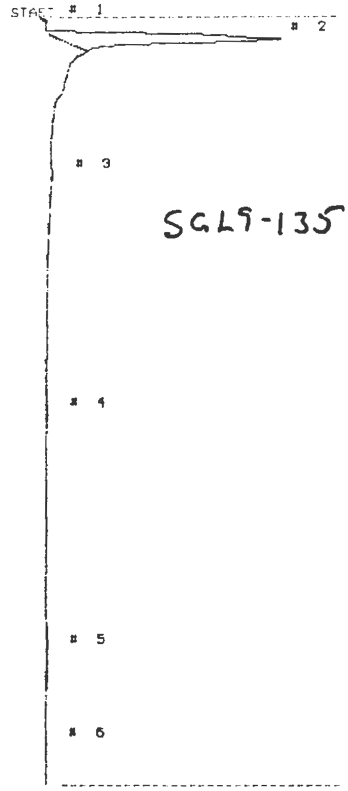
PHOTOVAC



STOP @ 519.6
SAMPLE LIBRARY 1 JUN 13 94 12:15
ANALYSIS # 37 SGL9-134
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	2.6 VS

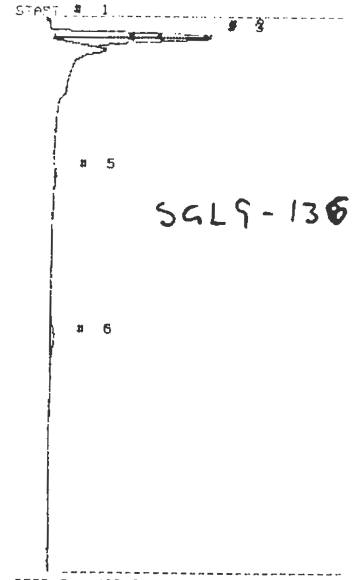
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 13 94 12:30
ANALYSIS # 39 ~~Z AIR~~ SGL9-135
INTERNAL TEMP 36 1.0 ML
GAIN 10 ~~SYR C~~ SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	4.6 VS
UNKNOWN	3	436.8	123.6 mv

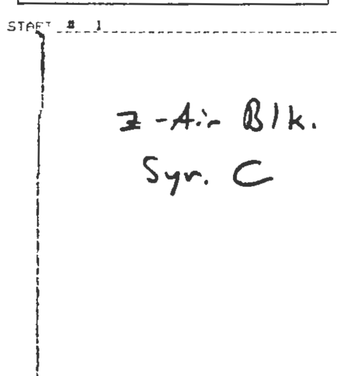
PHOTOVAC



STOP @ 433.3
SAMPLE LIBRARY 1 JUN 13 94 12:46
ANALYSIS # 41 SGL9-136
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.6	1.6 VS
UNKNOWN	3	17.2	1.3 VS
UNKNOWN	6	[illegible]	[illegible]

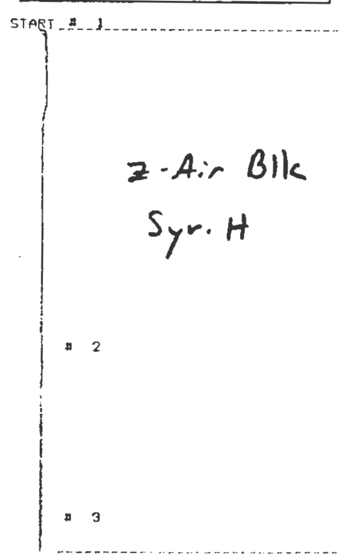
PHOTOVAC



STOP @ 270.4
SAMPLE LIBRARY 1 JUN 13 94 12:20
ANALYSIS # 38 Z AIR
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR C

COMPOUND NAME PEAK R.T. AREA/PPM

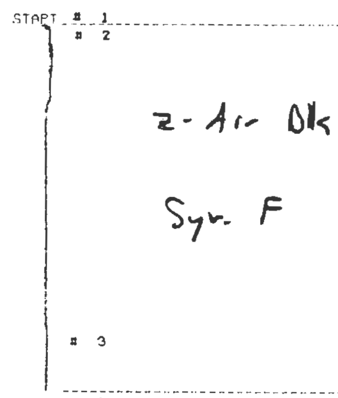
PHOTOVAC



STOP @ 406.8
SAMPLE LIBRARY 1 JUN 13 94 12:39
ANALYSIS # 40 Z AIR
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR H

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 282.6
SAMPLE LIBRARY 1 JUN 13 94 12:51
ANALYSIS # 42 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR F

COMPOUND NAME PEAK R.T. AREA/PPM

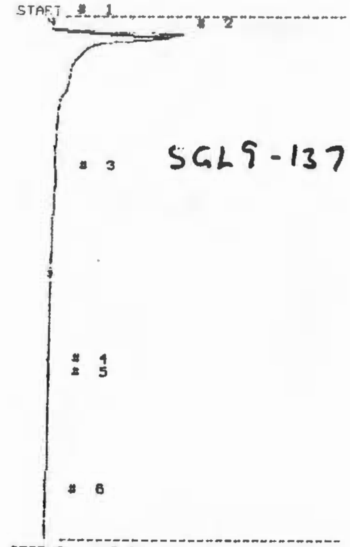
PARSONS MAIN, INC. PARSONS

CLIENT ACOE JOB NO. 720518 SHEET 10 OF 15

SUBJECT Soil Gas - SEAD 64D BY KKS DATE 6/13/94

D.

PHOTOVAC

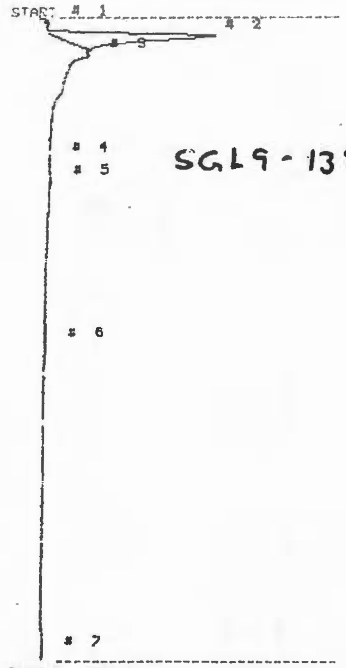


SGL9-137

STOP @ 410.6
SAMPLE LIBRARY 1 JUN 13 94 12:59
ANALYSIS # 43 SGL9-137
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.8	444.9 mUS

PHOTOVAC

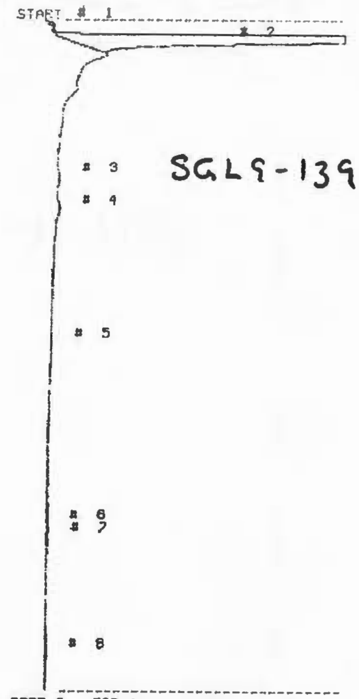


SGL9-138

STOP @ 502.2
SAMPLE LIBRARY 1 JUN 13 94 13:19
ANALYSIS # 46 SGL9-138
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.8	2.8 US

PHOTOVAC

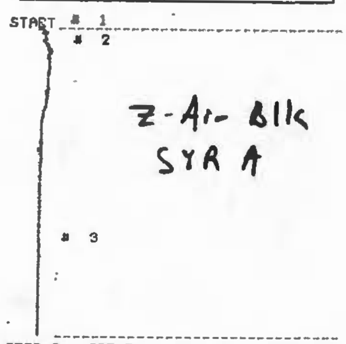


SGL9-139

STOP @ 523.4
SAMPLE LIBRARY 1 JUN 13 94 13:35
ANALYSIS # 48 ~~Z AIR BLK~~ SGL9-139
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR ~~J~~ L

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.8	14.4 US

PHOTOVAC

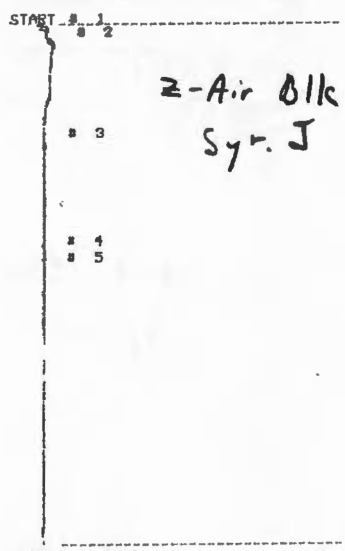


Z-Air-Blk
SYR A

STOP @ 237.7
SAMPLE LIBRARY 1 JUN 13 94 13:10
ANALYSIS # 45 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 STR A

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

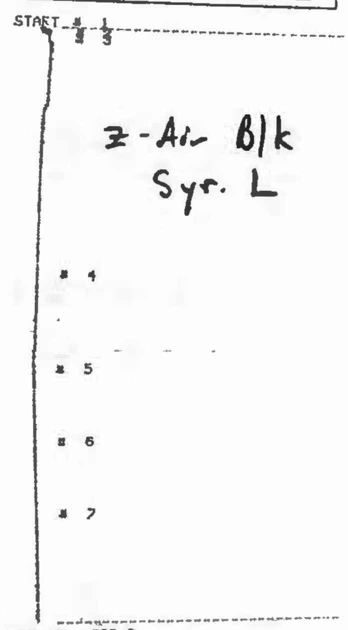


Z-Air Blk
Syr. J

STOP @ 405.3
SAMPLE LIBRARY 1 JUN 13 94 13:26
ANALYSIS # 47 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



Z-Air Blk
Syr. L

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 13 94 13:46
ANALYSIS # 49 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 STR L

COMPOUND NAME PEAK R.T. AREA/PPM

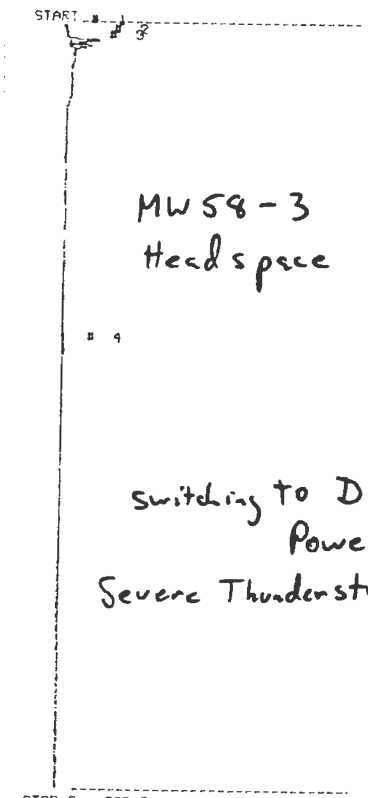
PARSONS MAIN, INC. **PARSONS**

CLIENT: ACOE JOB NO. 720518 SHEET 11 OF 15

SUBJECT: Soil Gas - SEAD 64D BY: DATE: 6/13/94

CKD.

PHOTOVAC



MW 58-3
Headspace

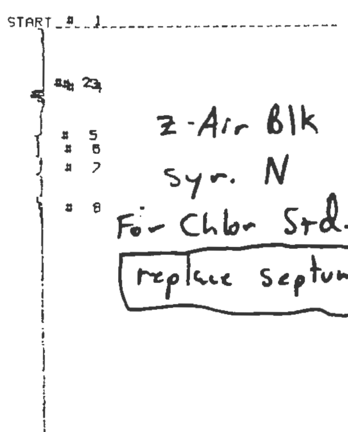
switching to DC Power

Severe Thunderstorms

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 13 94 14: 7
ANALYSIS # 50 MW58-3
INTERNAL TEMP 36 0.25 ML
GAIN 10 SYR 11

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	[illegible]	15.[illegible]	255.[illegible] mVS
UNKNOWN	[illegible]	22.[illegible]	[illegible]

PHOTOVAC



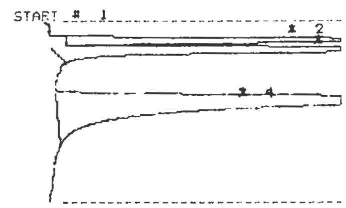
Z-Air Blk
Syr. N
For Chlor Std.

replace septum

STOP @ 317.1
SAMPLE LIBRARY 1 JUN 13 94 14:41
ANALYSIS # 51 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

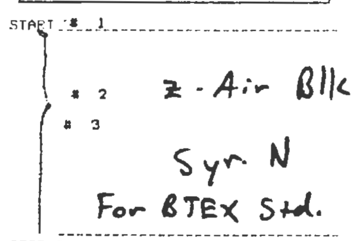


STOP @ 141.5
SAMPLE LIBRARY 1 JUN 13 94 14:43
ANALYSIS # 52 5 PPM CHLOR STD
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	[illegible]	15.8	3.5 VS
UNKNOWN	3	[illegible]	8.5 VS
UNKNOWN	4	61.0	[illegible] VS

5 ppm Chlor Std

PHOTOVAC

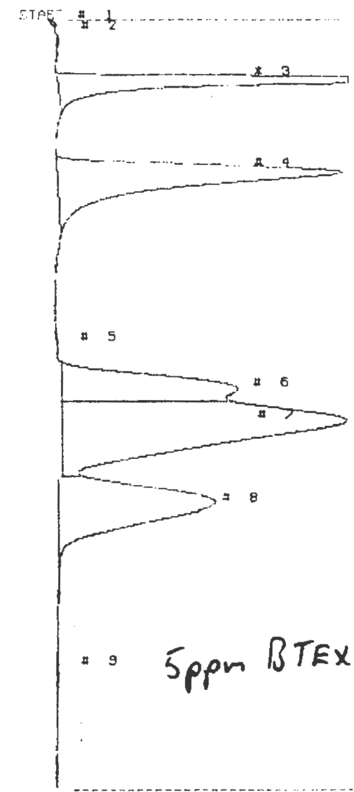


Z-Air Blk
Syr N
For BTEX Std.

STOP @ 159.6
SAMPLE LIBRARY 1 JUN 13 94 14:46
ANALYSIS # 53 Z AIR BLK
INTERNAL TEMP 38 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



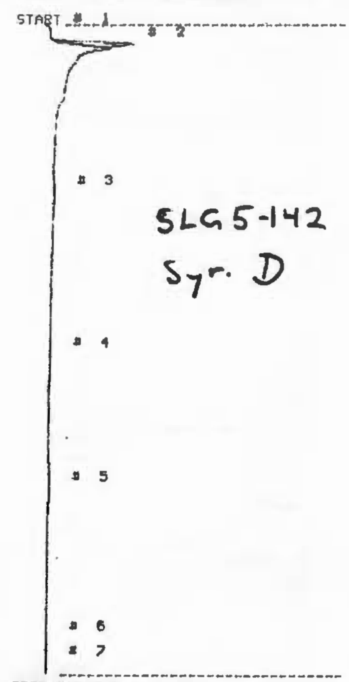
5ppm BTEX STD

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 13 94 14:57
ANALYSIS # 54 5 PPM BTEX STD
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	47.5	[illegible] VS
UNKNOWN	4	[illegible]	16.6 VS
UNKNOWN	6	[illegible]	[illegible]
UNKNOWN	7	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]

Client : ACOE
By : KKS
Subject: Soil Gas - SEAD 64D

PHOTOVAC

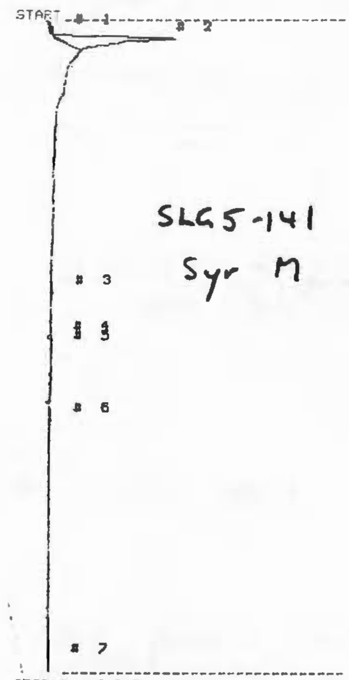


STOP @ 509.9
SAMPLE LIBRARY 1 JUN 13 94 15:18
ANALYSIS # 55 SLG5-142
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 2 16.1 407.5 mVS

PHOTOVAC

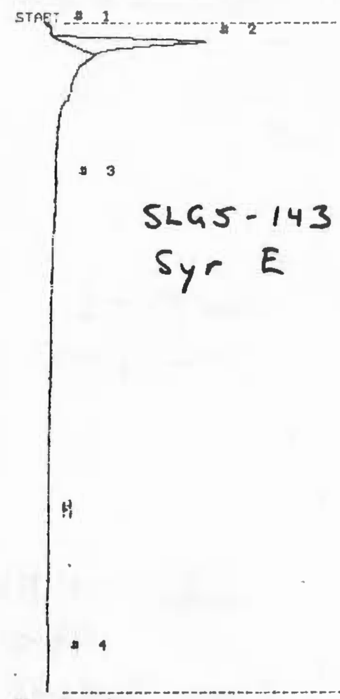


STOP @ 510.3
SAMPLE LIBRARY 1 JUN 13 94 15:33
ANALYSIS # 57 SLG5-141
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR M

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 2 16.1 1.7 VS

PHOTOVAC

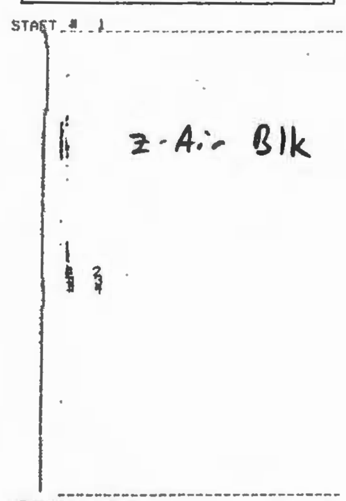


STOP @ 522.4
SAMPLE LIBRARY 1 JUN 13 94 15:45
ANALYSIS # 59 SGL5-143
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR E

COMPOUND NAME PEAK R.T. AREA/PPM

UNKNOWN 2 16.1 2.7 V.

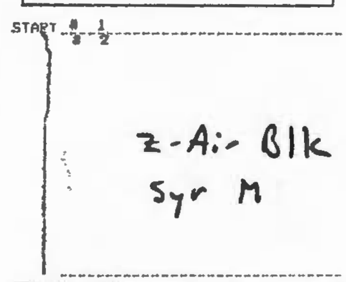
PHOTOVAC



STOP @ 353.8
SAMPLE LIBRARY 1 JUN 13 94 15:24
ANALYSIS # 56 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR D

COMPOUND NAME PEAK R.T. AREA/PPM

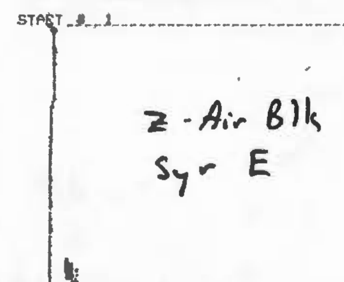
PHOTOVAC



STOP @ 186.1
SAMPLE LIBRARY 1 JUN 13 94 15:36
ANALYSIS # 58 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR M

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 204.8
SAMPLE LIBRARY 1 JUN 13 94 15:49
ANALYSIS # 60 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR E

COMPOUND NAME PEAK R.T. AREA/PPM

Client : ACOE

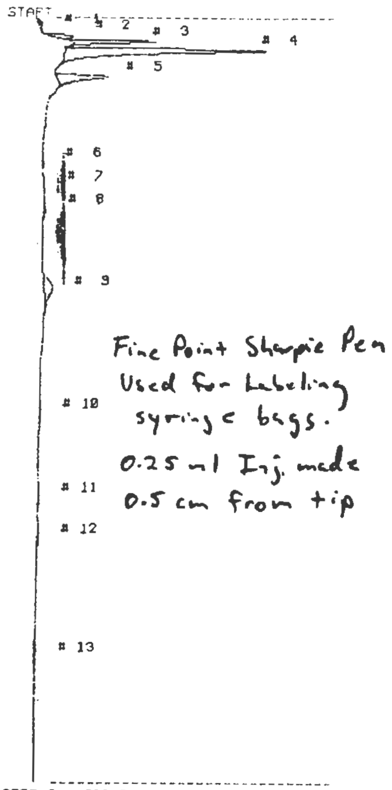
By : KKS

Subject: Soil Gas - SEAD 64D

Sheet : 13 of 15

Date : 6/13/94

PHOTOVAC



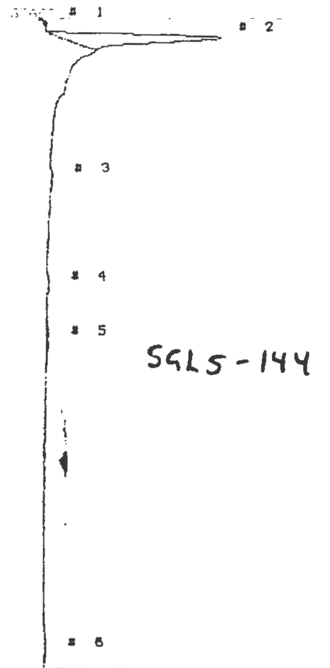
Fine Point Sharpie Pen Used for Labeling syringe bags.

0.25 ml Inj. made 0.5 cm from tip

STOP @ 600.0
SAMPLE LIBRARY 1 JUN 13 94 15:59
ANALYSIS # 61 SHARPIE PEN
INTERNAL TEMP 33 0.25 ML
GAIN 10 SYR 11

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.6	139.9 mVS
UNKNOWN	[illegible]	15.8	625.[illegible]
UNKNOWN	4	26.5	[illegible]
[illegible]	5	[illegible]	[illegible]
[illegible]	9	[illegible]	[illegible]

PHOTOVAC

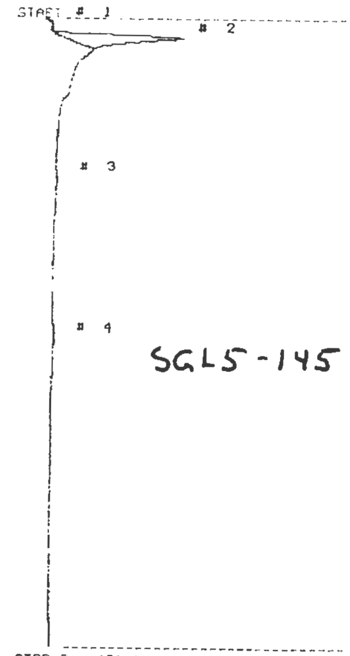


SGLS-144

STOP @ 507.6
SAMPLE LIBRARY 1 JUN 13 94 16: 8
ANALYSIS # 62 SGLS-144
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR G

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.4	[illegible]
UNKNOWN	5	233.[illegible]	[illegible]42.3 m[illegible]

PHOTOVAC

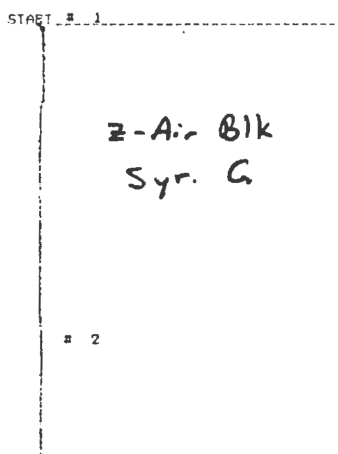


SGLS-145

STOP @ 491.1
SAMPLE LIBRARY 1 JUN 13 94 16:23
ANALYSIS # 64 SGLS-145
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	[illegible]

PHOTOVAC

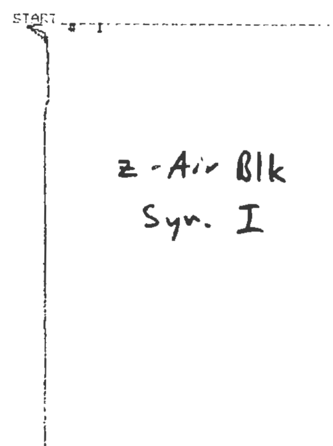


Z-Air Blk
Syr. G

STOP @ 337.5
SAMPLE LIBRARY 1 JUN 13 94 16:15
ANALYSIS # 63 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR G

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



Z-Air Blk
Syr. I

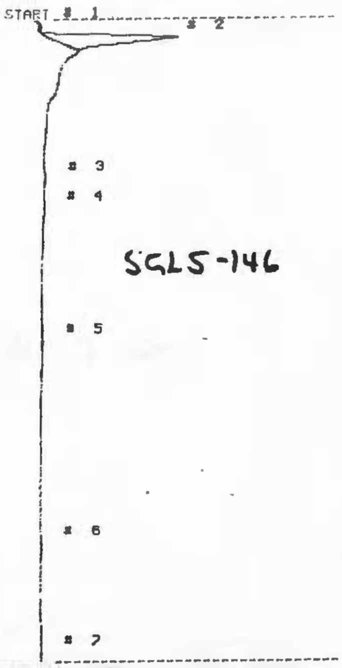
STOP @ 335.1
SAMPLE LIBRARY 1 JUN 13 94 16:29
ANALYSIS # 65 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	12.7	[illegible]

Client : ACOE
By : KKS
Subject : Soil Gas - SEAD 64D

Date : 6/13/94

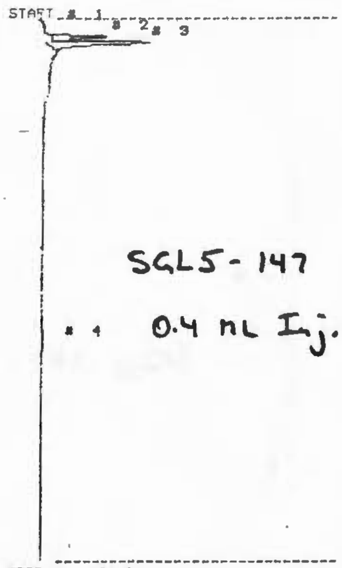
PHOTOVAC



STOP @ 503.1
SAMPLE LIBRARY 1 JUN 13 94 16:38
ANALYSIS # 66 SGL5-146
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR K

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	2.4 VS

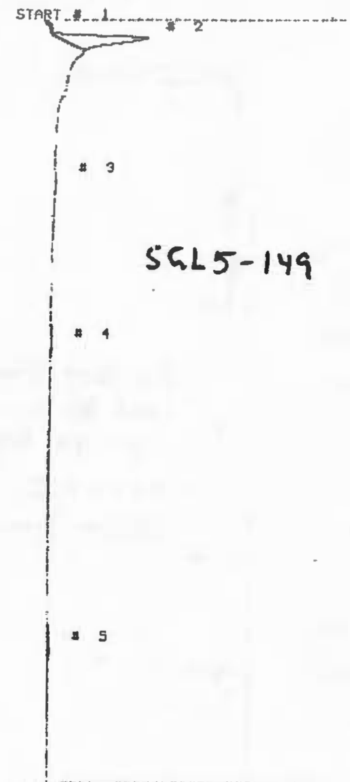
PHOTOVAC



STOP @ 424.0
SAMPLE LIBRARY 1 JUN 13 94 16:49
~~ANALYSIS # 68 SGL5-148~~
INTERNAL TEMP 34 0.4 ML
GAIN 10 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.7	482.3 mVS
UNKNOWN	3	18.6	988.6 mVS

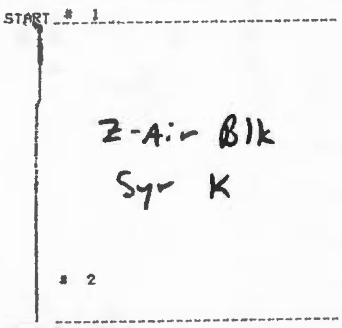
PHOTOVAC



STOP @ 602.0
SAMPLE LIBRARY 1 JUN 13 94 17:13
ANALYSIS # 70 SGL5-149
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR C

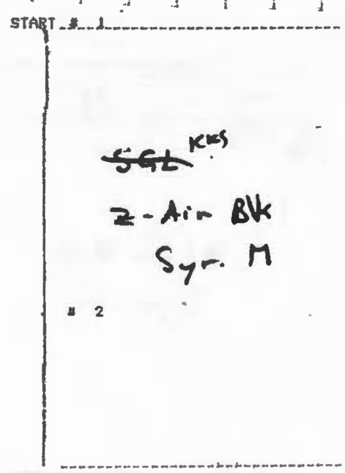
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.[illegible]	[illegible].7 VS

PHOTOVAC



STOP @ 232.7
SAMPLE LIBRARY 1 JUN 13 94 16:42
ANALYSIS # 67 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR K

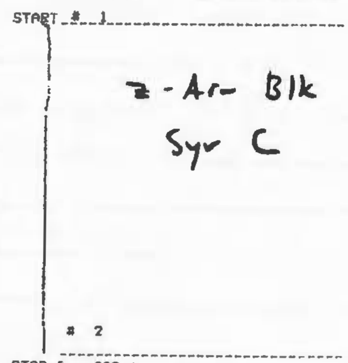
COMPOUND NAME PEAK R.T. AREA/PPM



STOP @ 343.5
SAMPLE LIBRARY 1 JUN 13 94 17: 3
ANALYSIS # 69 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR H

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



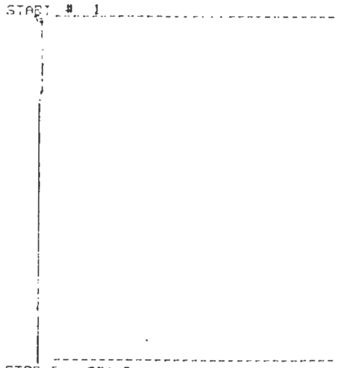
STOP @ 260.1
SAMPLE LIBRARY 1 JUN 13 94 17:25
ANALYSIS # 71 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR C

COMPOUND NAME PEAK R.T. AREA/PPM

Client: ACOE
By: KKS
Subject: Soil Gas - SEAD 64D

Date: 6/13/94

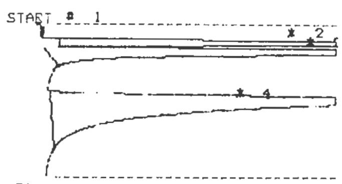
PHOTOVAC



STOP @ 274.8
SAMPLE LIBRARY 1 JUN 13 94 17:31
ANALYSIS # 72 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM

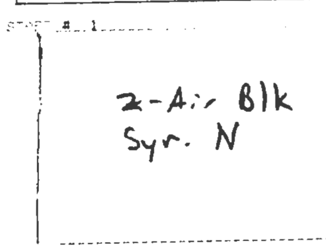
PHOTOVAC



STOP @ 113.3
SAMPLE LIBRARY 1 JUN 13 94 17:33
ANALYSIS # 73 5 PPM CHLOR STD
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.5	[illegible]
UNKNOWN	3	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]

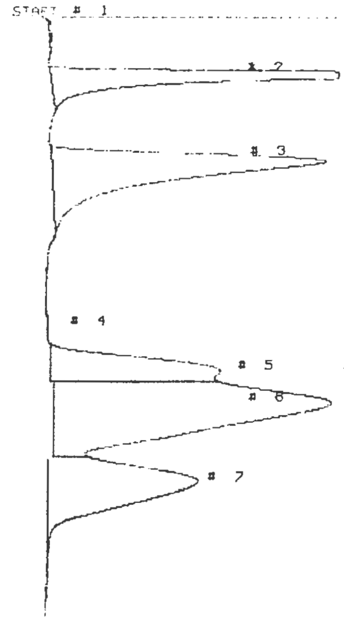
PHOTOVAC



STOP @ 166.3
SAMPLE LIBRARY 1 JUN 13 94 17:36 KKS
ANALYSIS # 74 ~~5 PPM CHLOR STD~~ Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10. SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM

PHOTOVAC



STOP @ 480.7
SAMPLE LIBRARY 1 JUN 13 94 17:44
ANALYSIS # 75 5 PPM BTEX STD
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	40.2	[illegible]
UNKNOWN	3	115.9	13.3 US
UNKNOWN	5	262.0	9.5 US
UNKNOWN	6	[illegible]	[illegible]
UNKNOWN	7	[illegible]	[illegible]

End of Day

Client : ACOE
By : KKS
Subject: Soil Gas - SEAD 64D

Date : 6/14/94

PHOTOVAC

JUN 14 94 7:12

FIELD: 30
POWER: 13

SAMPLE	0.0	10.0
CAL	0.0	0.0
EVENT 3	10.0	70.0
EVENT 4	0.0	0.0
EVENT 5	10.0	70.0
EVENT 6	0.0	0.0
EVENT 7	0.0	0.0
EVENT 8	0.0	0.0

PHOTOVAC

START
1
2

Z-Air Blk
Syr. Q
For Chlor. Std. Prep

Changed Gain From 5 to 10

3

STOP @ 273.4
SAMPLE LIBRARY 1 JUN 14 94 8: 3
ANALYSIS # 1 Z AIR BLK
INTERNAL TEMP 28 1.0 ML
GAIN 10 SYR Q

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	257.7	2.6 VS

Baseline shifted too far - check for ~~etc~~ KKS kinked line

PHOTOVAC

START # 1

2

Z-Air Blk
Syr. P
For BTEX Std. Prep

3
4
5 — Redo Bulb
6

STOP @ 437.7
SAMPLE LIBRARY 1 JUN 14 94 8:15
ANALYSIS # 2 Z AIR BLK
INTERNAL TEMP 29 1.0 ML
GAIN 10 SYR P

OFFSET	11.0	mV
CHART SPEED	1	cM/Min
SLOPE SENS.	5 10 4	mV/Sec
WINDOW +/-	1	Percent
MINIMUM AREA	100	mVSec
TIMER DELAY	10.0	Sec
ANALYSIS TIME	600.0	Sec
CYCLE TIME	0	Min

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	5	293.3	330.5 mVS

PHOTOVAC

START # 1

Z-Air Blk
Syr. P
For BTEX Std. Prep

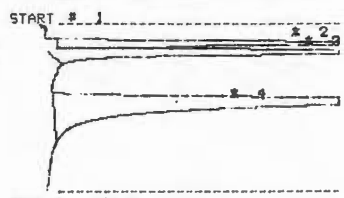
2
3
4

STOP @ 340.7
SAMPLE LIBRARY 1 JUN 14 94 8:27
ANALYSIS # 3 Z AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 10 SYR P

OFFSET	11.0	mV
CHART SPEED	1	cM/Min
SLOPE SENS.	5 10 4	mV/Sec
WINDOW +/-	1	Percent
MINIMUM AREA	100	mVSec
TIMER DELAY	10.0	Sec
ANALYSIS TIME	600.0	Sec
CYCLE TIME	0	Min

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	4	253.3	203.4 mVS

PHOTOVAC



STOP @ 130.8
SAMPLE LIBRARY 1 JUN 14 94 8:55
ANALYSIS # 4 5 PPM CHLOR STD
INTERNAL TEMP 32 1.0 ML
GAIN 10 SYR N

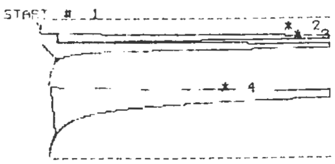
COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	4.4 VS
UNKNOWN	3	22.6	7.2 VS
UNKNOWN	4	61.5	14.6 VS

5 ppm Chlor. Std.
Syringe felt plugged
Repeat injection

Client: ACOE
By: KKS
Subject: Soil Gas - SEAD 64D

Date: 6/14/94

PHOTOVAC

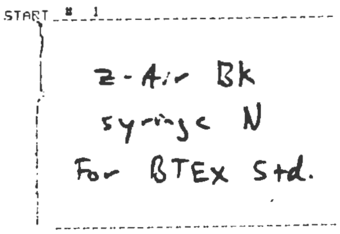


STOP @ 110.2
SAMPLE LIBRARY 1 JUN 14 94 9: 3
ANALYSIS # 5 5 PPM CHLOR STD
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	[illegible]	15.8	[illegible]
UNKNOWN	[illegible]	[illegible]	7.4 [illegible]
UNKNOWN	4	[illegible]	[illegible]

5 ppm Chlor. Std
(same as #4)

PHOTOVAC

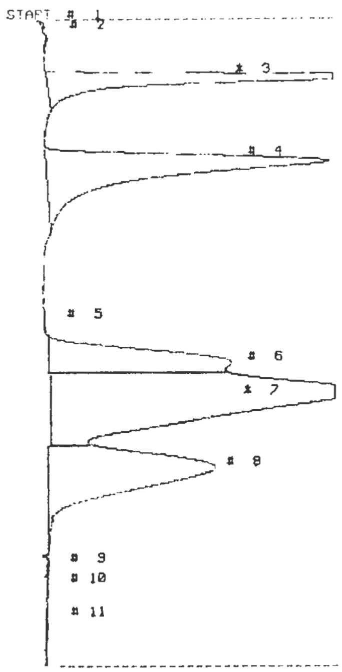


STOP @ 163.4
SAMPLE LIBRARY 1 JUN 14 94 9: 8
ANALYSIS # 6 ~~5 PPM CHLOR STD~~ Z Air Blk
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

Forgot 2ppm Chlor Std
Will do after BTEX

PHOTOVAC

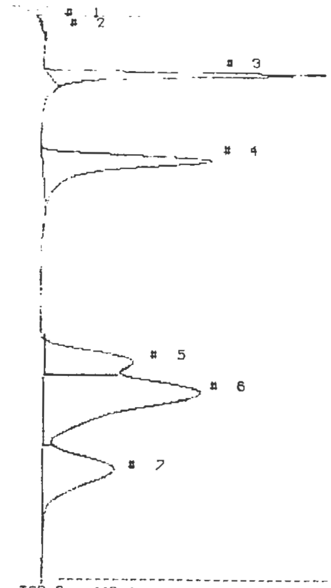


STOP @ 508.7
SAMPLE LIBRARY 1 JUN 14 94 9:17
ANALYSIS # 7 5 PPM BTEX STD
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	46.3	11.7 [illegible]
UNKNOWN	4	[illegible]	26.7 [illegible]
UNKNOWN	6	224.0	[illegible]
UNKNOWN	7	295.3	40.2 [illegible]
UNKNOWN	8	[illegible]	[illegible]

5 ppm BTEX Std.

PHOTOVAC

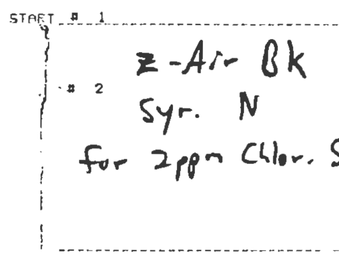


STOP @ 446.4
SAMPLE LIBRARY 1 JUN 14 94 9:25
ANALYSIS # 8 5 PPM BTEX STD
INTERNAL TEMP 33 0.4 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	47.0	[illegible]
UNKNOWN	4	[illegible]	6.5 [illegible]
UNKNOWN	5	276.?	[illegible]
UNKNOWN	6	[illegible]	[illegible]
UNKNOWN	[illegible]	[illegible]	[illegible]

2 ppm BTEX Std.
by Volume

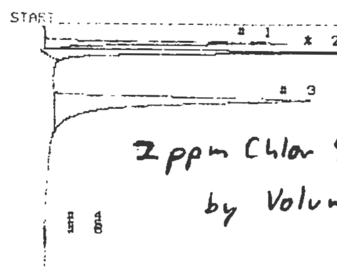
PHOTOVAC



STOP @ 177.4
SAMPLE LIBRARY 1 JUN 14 94 9:31
ANALYSIS # 9 Z AIR BLK
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 205.6
SAMPLE LIBRARY 1 JUN 14 94 9:35
ANALYSIS # 10 5 PPM CHLOR STD
INTERNAL TEMP 35 0.4 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	[illegible]	[illegible]
UNKNOWN	2	[illegible]	[illegible]
UNKNOWN	3	[illegible]	[illegible]

SOIL GAS CALIBRATION RESPONSE FACTORS: CHLORINATED

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/14/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD 64D		Operator: Kenny Smith

Instrument Specs:	
Type of GC:	Photovac 10S50
Column Type:	CPSil-5
Col. Temp. (°C):	40°
Chart Speed:	1 cm/min
Gain:	10
Sensitivity:	5/10
Gas Flow Rate:	7
Tank Pressure:	1080/1200

Chlorinated Calibration Gas Specifications		
Manfacturer:	Scott	Lot#:
Concentration (ppmV):	100 KKS	
Concentration: (ppmV)	Vinyl Chloride	~~99.6~~ 102.0
	1,1-dichloroethene	99.6
	Trichloroethene	98.4

Analysis A
Inj. #: 5

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF			
VC	15.9	5.10	4.5	1.13			
1,1-DCE	22.6	4.98	7.4	0.67			
TCE	61.5	4.92	14.8	0.33			

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 10

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
VC	16.1	2.04	2.1	0.97	0.04		
1,1-DCE	22.6	1.99	2.9	0.69	-0.01		
TCE	61.1	1.97	6.1	0.32	0.08		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A−B)/(A+B)/2

V = 0.16/2.1/2
D = -.02/1.36/2
T = 0.1/.65/2

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
VC							
1,1-DCE							
TCE							

Comments:
Concentration is normalized to 1 ml.

SOIL GAS CALIBRATION RESPONSE FACTORS: BTEX

ENGINEERING-SCIENCE	CLIENT: ACOE	DATE: 6/14/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD - 64D		Operator: Kerry Smith

Instrument Specs:		BTEX Calibration Gas Specifications			
Type of GC:	Photovac 10S50	Manfacturer:		Canaan	Lot#:
Column Type:	CPSil-5	Concentration (ppmV):		100	
Col. Temp. (°C):	40	Concentration:	Benzene	98.6	
Chart Speed:	1 cm/sec	(ppmV)	Toluene	97.4	
Gain:	10		Ethylbenzene	95.5	
Sensitivity:	5/16		O-Xylene	94.5	
Gas Flow Rate:	7		M-Xylene	95.0	
Tank Pressure:	1000/1300		P-Xylene	93.0	

Analysis A
Inj. #: 7

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF			
Benzene	46.3	4.93	11.7	0.42			
Toluene	114.1	4.87	16.7	0.29			
Ethylbenzene	274.3	4.77	9.9	0.48			
O-Xylene	296.2	4.73	40.2	0.12			
M-Xylene	↓	4.75	↓	↓			
P-Xylene	357.5	4.65	17.2	0.27			

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 8

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene	47.0	1.97	4.1	0.48	-0.03		
Toluene	115.7	1.95	6.9	0.28	0.01		
Ethylbenzene	276.3	1.91	5.1	0.37	0.06		
O-Xylene	300.5	1.89	14.4	0.13	-0.02		
M-Xylene	↓	1.90	↓	↓	↓		
P-Xylene	362.1	1.86	6.4	0.29	-0.02		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A-B)/(A+B)/2

B - -.06/.9/2
T - .01/.57/2
E - .11/.85/2
O+M - -.01/.25/2
P - -.02/.56/2

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

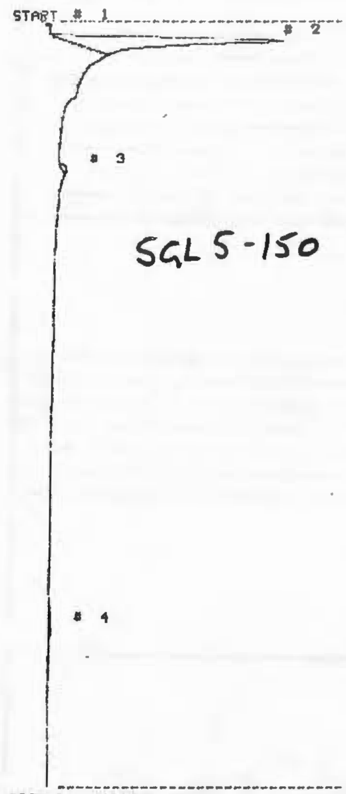
Analyte	Ret. Time (sec)	Concentration	+ Area (vs)	= RF	Delta RF	RF avg.	
Benzene							
Toluene							
Ethylbenzene							
O-Xylene							
M-Xylene							
P-Xylene							

Comments:
Concentration is normalized to 1 ml.

Client: ACOE
By: KES
Subject: Soil Gas SEAD 64D

Date: 6/14/94

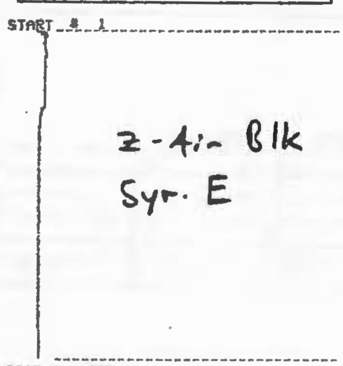
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 14 94 11:49
ANALYSIS # 11 SGL5-150
INTERNAL TEMP 36 1.0 ML INJ
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.4	4.2 VS
UNKNOWN	4	477.2	154.6 mVS

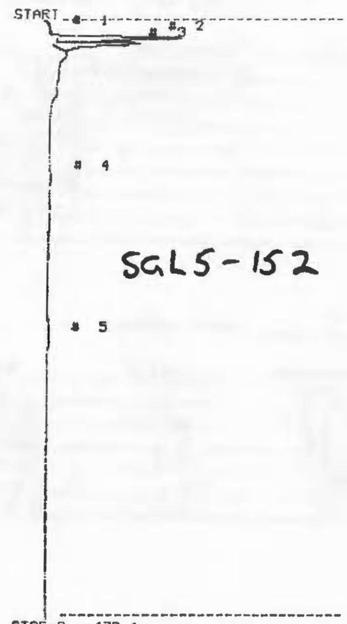
PHOTOVAC



STOP @ 255.7
SAMPLE LIBRARY 1 JUN 14 94 12:26
ANALYSIS # 12 Z AIR BLK
INTERNAL TEMP 36 1.0 ML INJ
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM

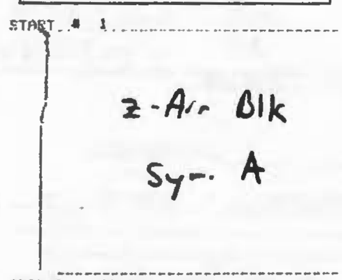
PHOTOVAC



STOP @ 470.4
SAMPLE LIBRARY 1 JUN 14 94 12:35
ANALYSIS # 13 SGL5-152
INTERNAL TEMP 36 0.4 ML
GAIN 10 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	1.1 VS
UNKNOWN	3	13.3	58.. mVS

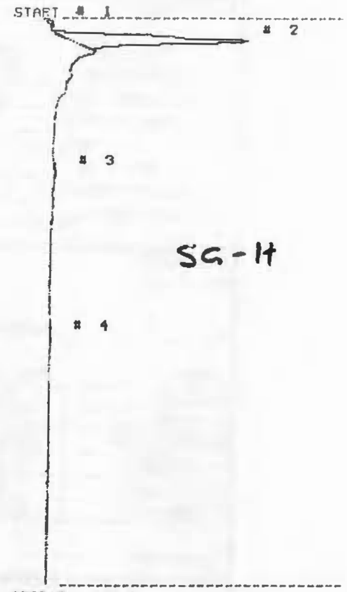
PHOTOVAC



STOP @ 183.0
SAMPLE LIBRARY 1 JUN 14 94 12:39
ANALYSIS # 14 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR A

COMPOUND NAME	PEAK	R.T.	AREA/PPM

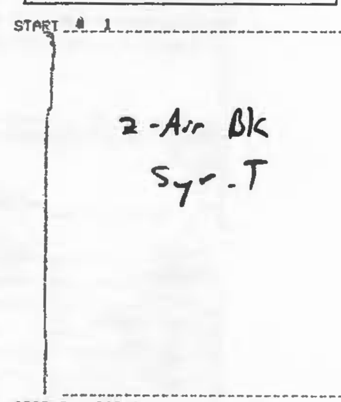
PHOTOVAC



STOP @ 445.0
SAMPLE LIBRARY 1 JUN 14 94 12:46
ANALYSIS # 15 SG-H
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR T

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	18.8	7.5 VS

PHOTOVAC



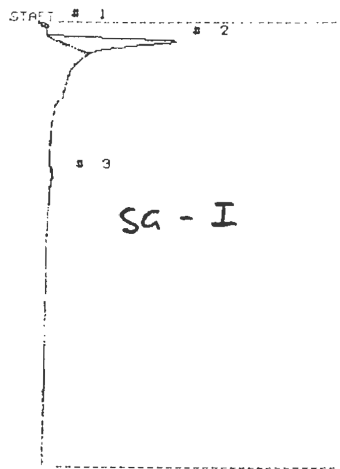
STOP @ 283.6
SAMPLE LIBRARY 1 JUN 14 94 12:51
ANALYSIS # 16 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR T

COMPOUND NAME	PEAK	R.T.	AREA/PPM

Client : ACOE
By : KKS
Subject : Soil Gas SEAD64D

Sheet : 6 of 12
Date : 6/14/94

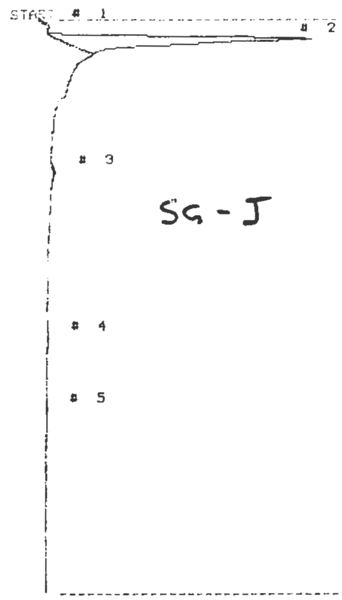
PHOTOVAC



STOP @ 349.9
SAMPLE LIBRARY 1 JUN 14 94 12:58
ANALYSIS # 17 SG-I
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	2.3 [illegible]

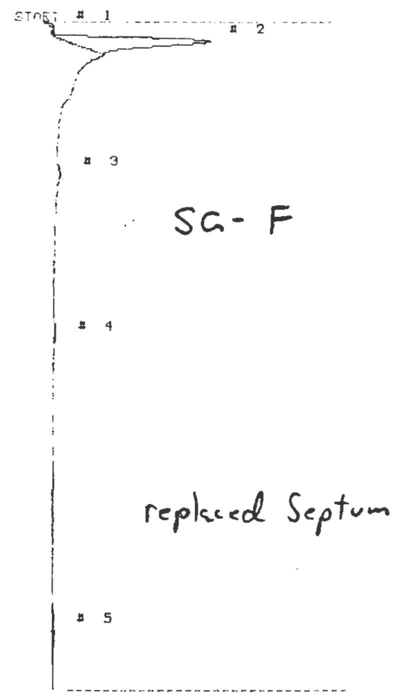
PHOTOVAC



STOP @ 448.9
SAMPLE LIBRARY 1 JUN 14 94 13:10
ANALYSIS # 19 SG-J
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR L

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	[illegible]

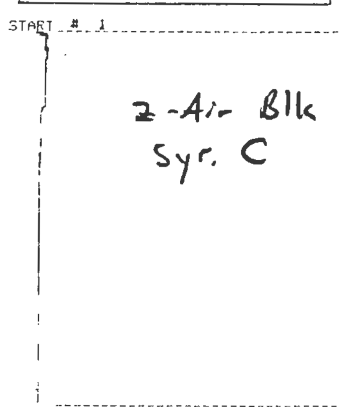
PHOTOVAC



STOP @ 523.2
SAMPLE LIBRARY 1 JUN 14 94 13:27
ANALYSIS # 21 SG-K
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR F

COMPOUND NAME	PEAK	P.T.	AREA/PPM
UNKNOWN	2	[illegible]	[illegible]

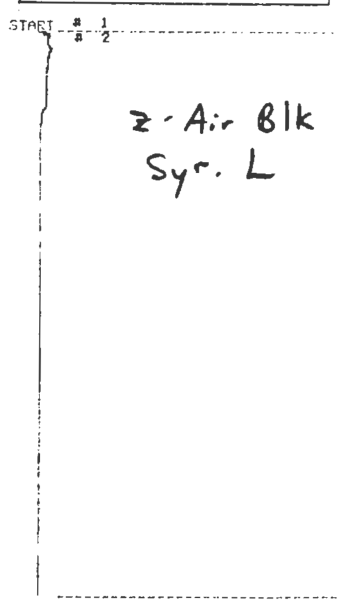
PHOTOVAC



STOP @ 291.7
SAMPLE LIBRARY 1 JUN 14 94 13: 3
ANALYSIS # 18 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR C

COMPOUND NAME PEAK R.T. AREA/PPM

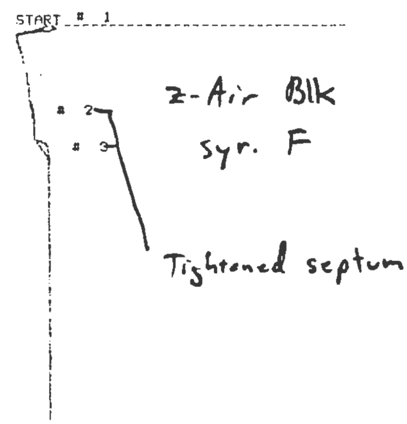
PHOTOVAC



STOP @ 441.9
SAMPLE LIBRARY 1 JUN 14 94 13:18
ANALYSIS # 20 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR L

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

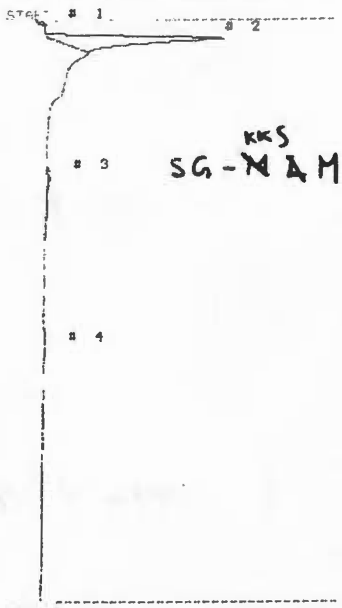


STOP @ 317.4
SAMPLE LIBRARY 1 JUN 14 94 13:36
ANALYSIS # 22 SG-K
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	3.9	[illegible]
UNKNOWN	2	10	[illegible]

Client : ACOE
By : KKS
Subject: Soil Gas - SEAD 64D

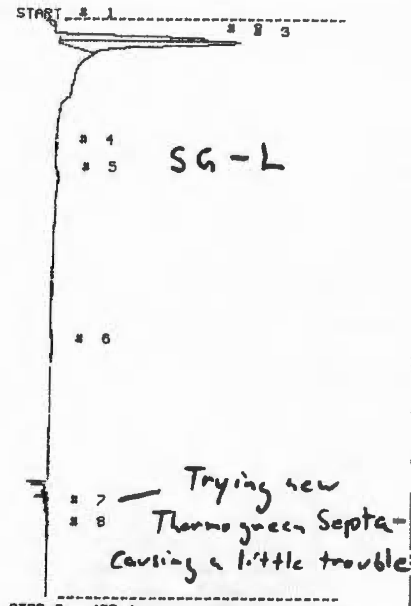
PHOTOVAC



STOP @ 452.1
SAMPLE LIBRARY 1 JUN 14 94 13:44
ANALYSIS # 23 SG-M
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR K

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	3.0 VS

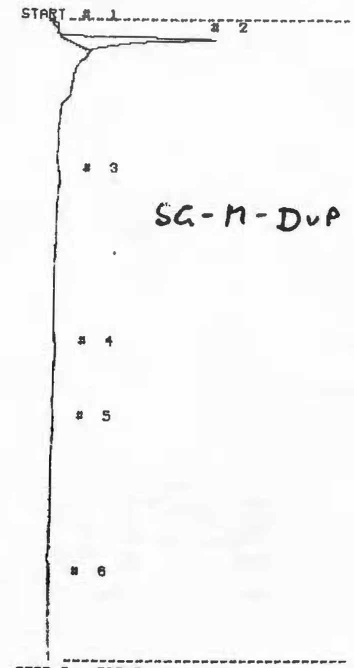
PHOTOVAC



STOP @ 452.4
SAMPLE LIBRARY 1 JUN 14 94 14:13
ANALYSIS # 29 SG-L
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	1.4 VS
UNKNOWN	3	18.8	2.7 VS

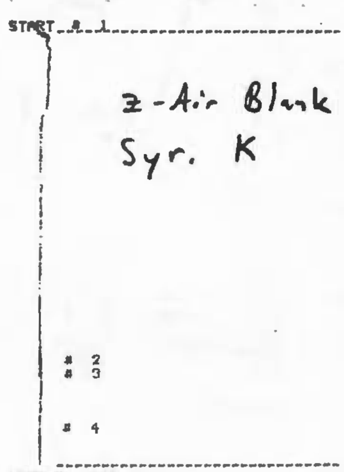
PHOTOVAC



STOP @ 502.2
SAMPLE LIBRARY 1 JUN 14 94 14:28
ANALYSIS # 31 SG-M-DUP
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.1	2.0 VS

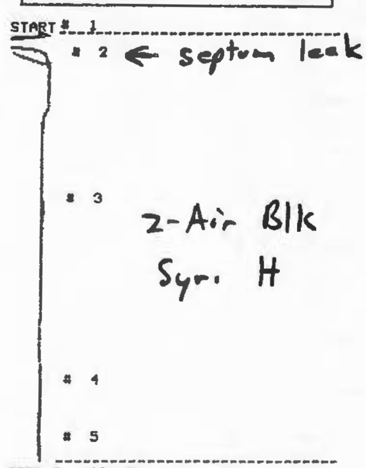
Pens jammed during Syr. K analysis. Repaired assembly. Analysis # 23 - 27 no record. Repeat Syr. K Blk.



STOP @ 336.2
SAMPLE LIBRARY 1 JUN 14 94 14:0
ANALYSIS # 28 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR K

COMPOUND NAME	PEAK	R.T.	AREA/PPM

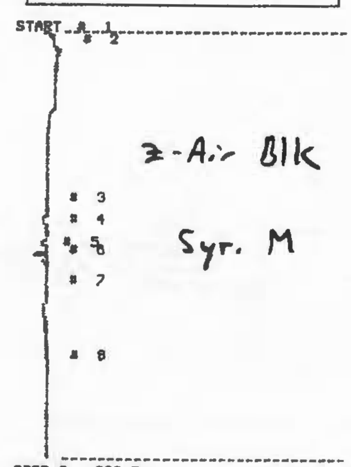
PHOTOVAC



STOP @ 334.3
SAMPLE LIBRARY 1 JUN 14 94 14:20
ANALYSIS # 30 SG-
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	3.3	108.4 mVS
UNKNOWN	2	25.2	850.1 mVS

PHOTOVAC

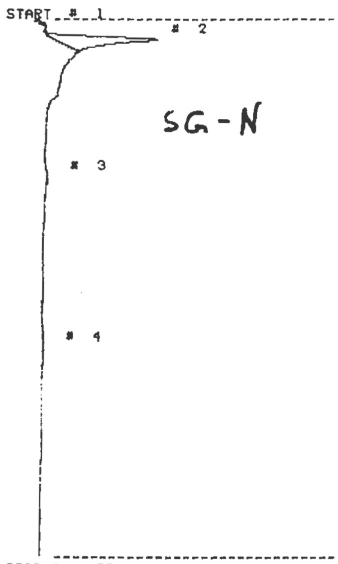


STOP @ 332.7
SAMPLE LIBRARY 1 JUN 14 94 14:
ANALYSIS # 32 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	8	282.3	180.4 mVS

Client : ACOE
By : KKS
Subject : Soil Gas - SEAD 64D

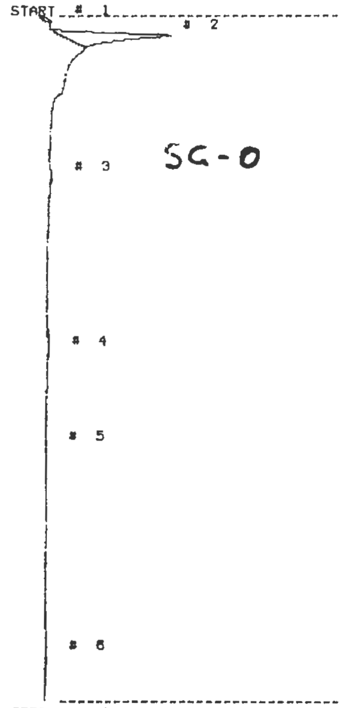
PHOTOVAC



STOP @ 422.1
SAMPLE LIBRARY 1 JUN 14 94 14:41
ANALYSIS # 33 SG-N
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	1.8 US

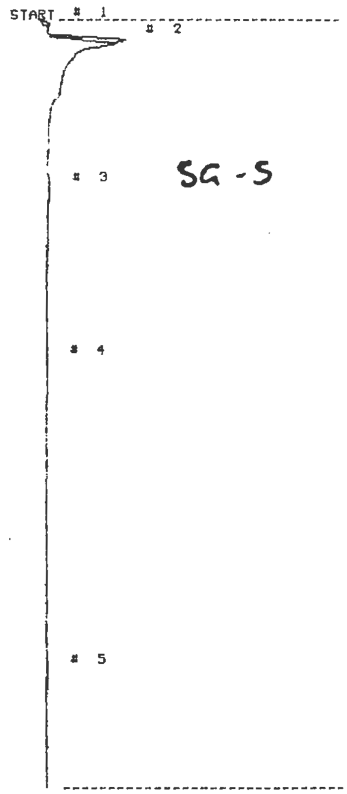
PHOTOVAC



STOP @ 536.7
SAMPLE LIBRARY 1 JUN 14 94 14:56
ANALYSIS # 35 SG-O
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.2	1.9 US

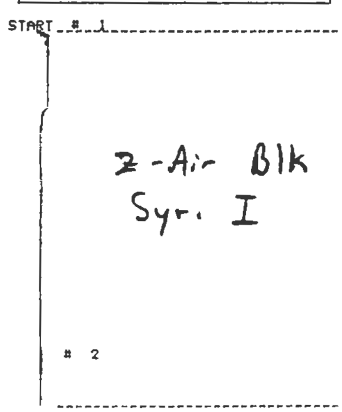
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 14 94 15:16
ANALYSIS # 37 SG-S
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR T

~~COMPOUND NAME~~	~~PEAK~~	~~R.T.~~	~~AREA/PPM~~
UNKNOWN	2	16.6	333.3 mUS

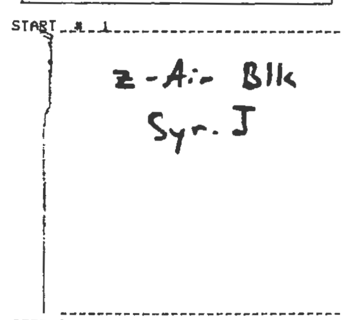
PHOTOVAC



STOP @ 292.8
SAMPLE LIBRARY 1 JUN 14 94 14:46
ANALYSIS # 34 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR I

COMPOUND NAME PEAK R.T. AREA/PPM

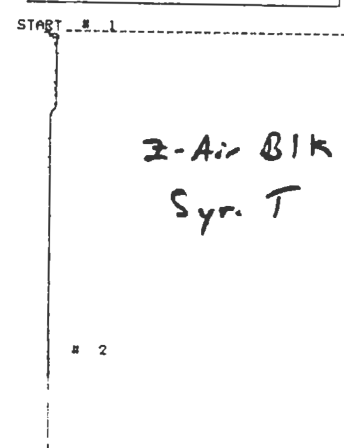
PHOTOVAC



STOP @ 220.8
SAMPLE LIBRARY 1 JUN 14 94 15: 0
ANALYSIS # 36 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR J

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



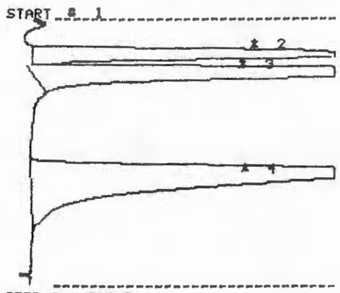
STOP @ 331.0
SAMPLE LIBRARY 1 JUN 14 94 15:22
ANALYSIS # 38 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR T

COMPOUND NAME PEAK R.T. AREA/PPM

Client: ACOE
By: KKS
Subject: Soil Gas SEAD 64D

Sheet: 9 of 12
Date: 6/14/94

PHOTOVAC

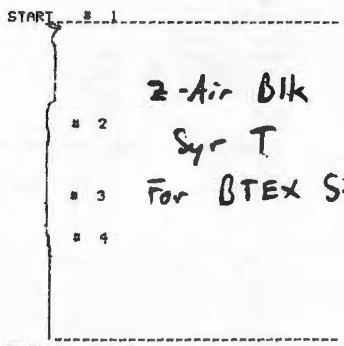


STOP @ 210.3
SAMPLE LIBRARY 1 JUN 14 94 15:27
ANALYSIS # 39 5 PPM CHLOR STD
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR T

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	28.6	9.1	VS
UNKNOWN	3	42.1	16.0	VS
UNKNOWN	4	122.6	25.9	VS

5 ppm Chlor. Std.

PHOTOVAC



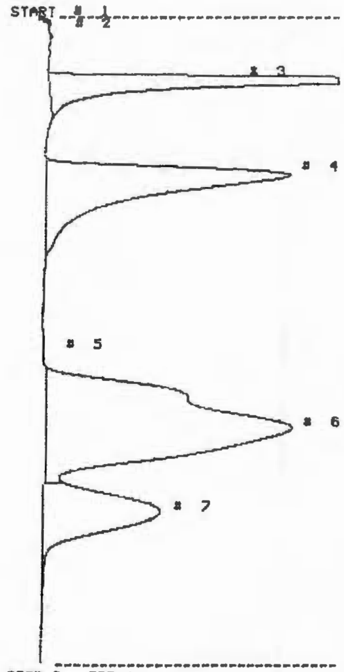
Z-Air Blk
Syr T
For BTEX Std

STOP @ 248.5
SAMPLE LIBRARY 1 JUN 14 94 15:32
ANALYSIS # 40 Z AIR STD
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR T

COMPOUND NAME PEAK R.T. AREA/PPM

Not happy with injection lag time - retention time too long - peaks almost double size from 1st calibration.

PHOTOVAC

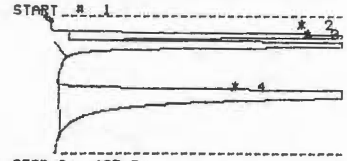


STOP @ 507.4
SAMPLE LIBRARY 1 JUN 14 94 15:41
ANALYSIS # 41 5 PPM BTEX STD
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR T

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	49.3	12.8	VS
UNKNOWN	4	126.2	18.6	VS
UNKNOWN	6	326.3	38.2	VS
UNKNOWN	7	392.9	11.6	VS

Lost Toluene peak - Internal temp is higher than normal - turning up A.C. (90°F outside)
- replacing septum
- blow out port
- replace plunger tip on Syr T.
- check for kinks and leaks in plumbing

PHOTOVAC



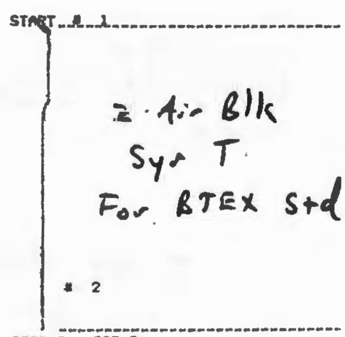
STOP @ 107.8
SAMPLE LIBRARY 1 JUN 14 94 15:57
ANALYSIS # 42 5 PPM ~~BTEX~~ CHLOR STD
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR T

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.8	4.8	VS
UNKNOWN	3	22.6	7.3	VS
UNKNOWN	4	61.7	14.5	VS

5 ppm Chlor Std.

That's better!
Internal temp not a factor
Will not use Thermogreen septa again!

PHOTOVAC



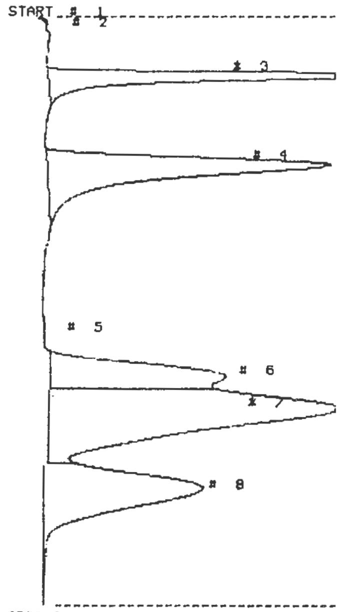
Z-Air Blk
Syr T
For BTEX Std.

STOP @ 237.8
SAMPLE LIBRARY 1 JUN 14 94 16:11
ANALYSIS # 43 Z AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR T

COMPOUND NAME PEAK R.T. AREA/PPM

Client : ACOE
By : KKS
Subject : Soil Gas SEAD 64D

PHOTOVAC

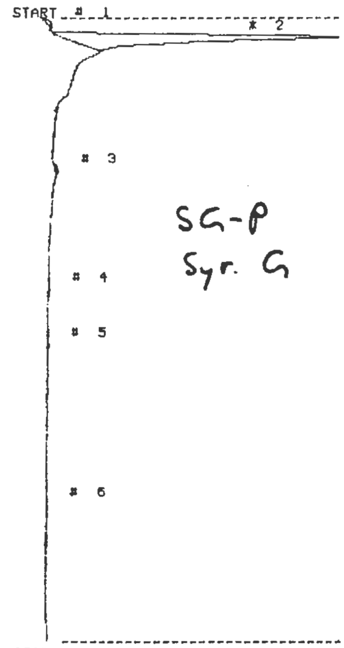


STOP @ 464.1
SAMPLE LIBRARY 1 JUN 14 94 16:20
ANALYSIS # 44 5 PPM BTEX STD
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR T

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	47.0	10.9	VS
UNKNOWN	4	118.5	15.9	VS
UNKNOWN	6	287.8	10.7	VS
UNKNOWN	7	311.5	32.0	VS
UNKNOWN	8	377.5	15.7	VS

5 ppm BTEX Std.

PHOTOVAC

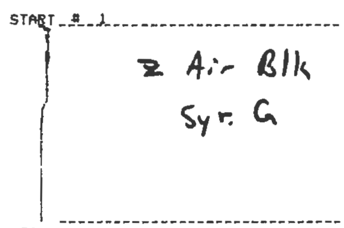


SG-P
Syr. G

STOP @ 488.5
SAMPLE LIBRARY 1 JUN 14 94 16:28
ANALYSIS # 45 SG-P
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR G

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.7	5.1	VS

PHOTOVAC

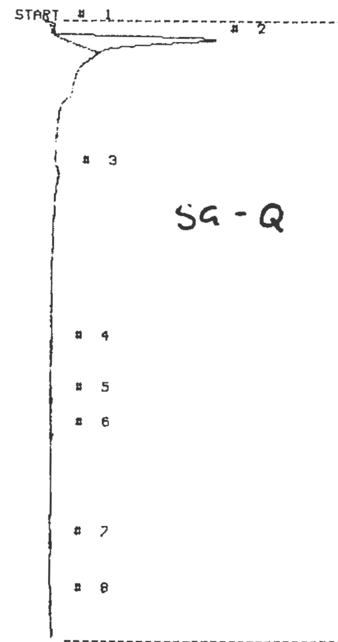


2 Air Blk
Syr. G

STOP @ 154.6
SAMPLE LIBRARY 1 JUN 14 94 16:31
ANALYSIS # 46 ~~88-R~~ 2-AIR BLK
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR G

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

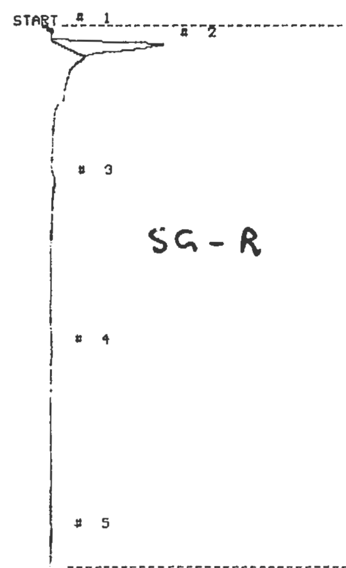


SG - Q

STOP @ 486.8
SAMPLE LIBRARY 1 JUN 14 94 16:39
ANALYSIS # 47 SG-Q
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.8	3.0	VS

PHOTOVAC



SG - R

STOP @ 423.7
SAMPLE LIBRARY 1 JUN 14 94 16:47
ANALYSIS # 48 SG-R
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR A

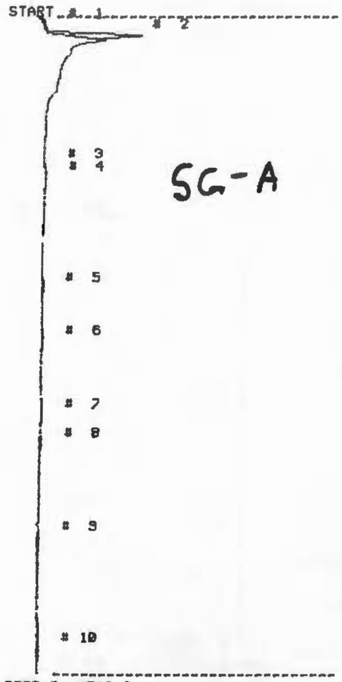
COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	15.7	2.0	VS

Client : ACOE
Sheet 11 of 12

By : KKS
Date : 6/14/94

Subject: Soil Gas SEAD 64D

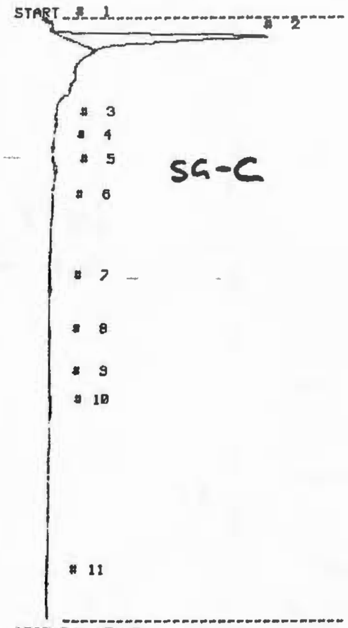
PHOTOVAC



STOP @ 518.3
SAMPLE LIBRARY 1 JUN 14 94 16:56
ANALYSIS # 49 SG-A
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.8	574.2 mVS

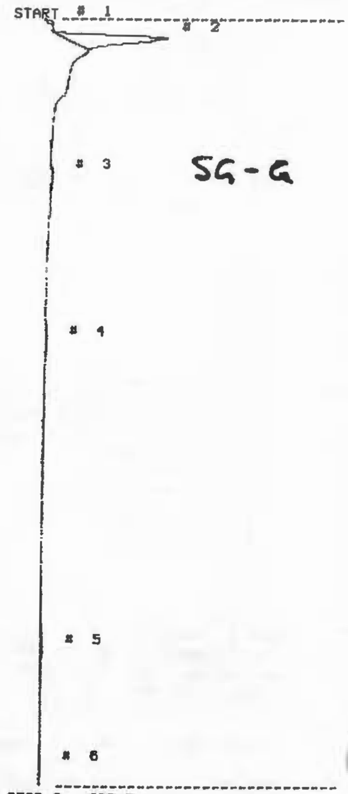
PHOTOVAC



STOP @ 474.0
SAMPLE LIBRARY 1 JUN 14 94 17:11
ANALYSIS # 51 SG-C
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR K

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.8	3.8 VS

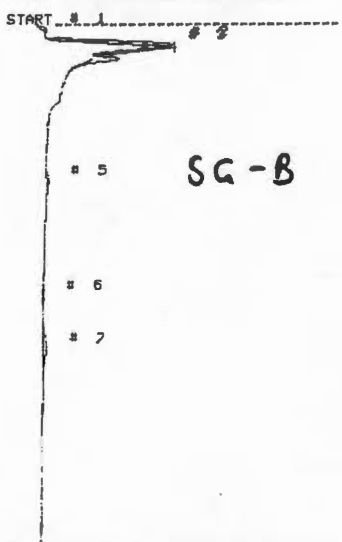
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 14 94 17:28
ANALYSIS # 53 SG-G
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.8	2.0 VS

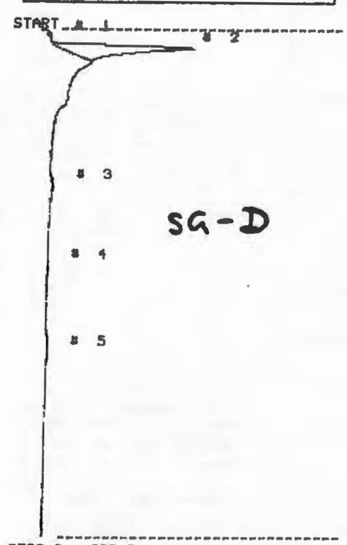
PHOTOVAC



STOP @ 406.7
SAMPLE LIBRARY 1 JUN 14 94 17: 3
ANALYSIS # 50 SG-B
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.9	285.8 mVS
UNKNOWN	4	27.4	387.8 mVS
UNKNOWN	7	252.8	194.2 mVS

PHOTOVAC

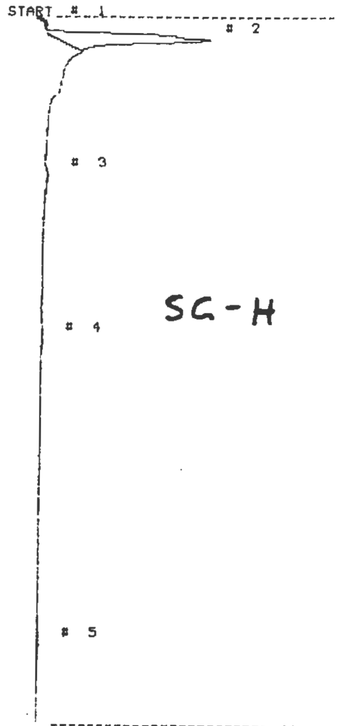


STOP @ 398.2
SAMPLE LIBRARY 1 JUN 14 94 17:18
ANALYSIS # 52 SG-D
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR D

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	16.8	2.3 VS

Client : ACOE
By : KKS
Subject : Soil Gas SEAD 64D

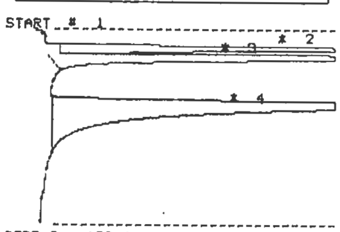
PHOTOVAC



STOP @ 556.2
SAMPLE LIBRARY 1 JUN 14 94 17:38
ANALYSIS # 54 SG-H
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	18.5	3.4 US

PHOTOVAC

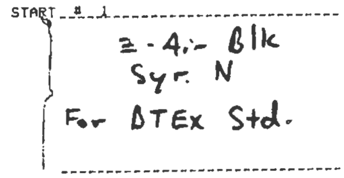


STOP @ 152.4
SAMPLE LIBRARY 1 JUN 14 94 17:40
ANALYSIS # 55 5 PPM STD
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	15.6	5.0 US
UNKNOWN	3	22.3	7.9 US
UNKNOWN	4	60.7	15.4 US

5 ppm Chlor. Std.

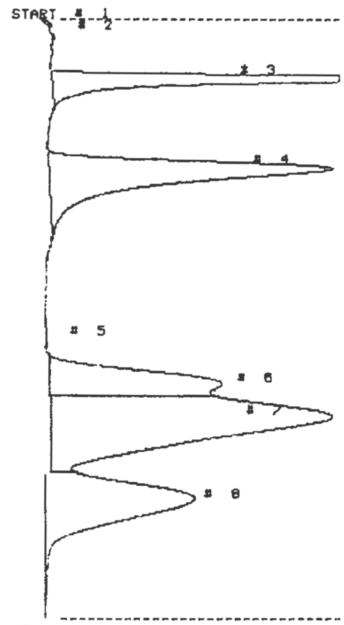
PHOTOVAC



STOP @ 121.9
SAMPLE LIBRARY 1 JUN 14 94 17:43
ANALYSIS # 56 Z AIR BLK
INTERNAL TEMP 37 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC



STOP @ 469.3
SAMPLE LIBRARY 1 JUN 14 94 17:51
ANALYSIS # 57 5 PPM BTEX STD
INTERNAL TEMP 36 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	3	46.5	11.9 US
UNKNOWN	4	118.3	17.1 US
UNKNOWN	6	289.8	10.3 US
UNKNOWN	7	316.1	32.0 US
UNKNOWN	8	381.7	15.1 US

5 ppm BTEX Std.

End of Day

Client: ACOE
Subject: Soil Gas SEAD 64D
By: KKS

Sheet: 1 of
Date: 6/15/94

PHOTOVAC

START # 1
2

Z-Air Blk.
Syr M

STOP @ 243.4
SAMPLE LIBRARY 1 JUN 15 94 7:18
ANALYSIS # 58 ~~5 PPM~~ BLK Z AIR
INTERNAL TEMP 29 1.0 ML
GAIN 10 SYR M

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1
2
3

Z-Air Blk
Syr E

STOP @ 339.3
SAMPLE LIBRARY 1 JUN 15 94 7:24
ANALYSIS # 59 Z AIR BLK
INTERNAL TEMP 30 1.0 ML
GAIN 10 SYR E

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk
Syr M

STOP @ 312.2
SAMPLE LIBRARY 1 JUN 15 94 7:29
ANALYSIS # 60 Z AIR BLK
INTERNAL TEMP 31 1.0 ML
GAIN 10 SYR F

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk
Syr H

STOP @ 272.4
SAMPLE LIBRARY 1 JUN 15 94 7:34
ANALYSIS # 61 Z AIR BLK
INTERNAL TEMP 32 1.0 ML
GAIN 10 SYR H

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1
2

Z-Air Blk
Syr.

STOP @ 239.1
SAMPLE LIBRARY 1 JUN 15 94 7:38
ANALYSIS # 62 Z AIR BLK
INTERNAL TEMP 32 1.0 ML
GAIN 10 SYR

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1

Z-Air Blk
Syr. N
For Chlor. Std.

STOP @ 307.6
SAMPLE LIBRARY 1 JUN 15 94 8:20
ANALYSIS # 63 Z AIR BLK
INTERNAL TEMP 32 1.0 ML
GAIN 10 SYR N

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1
2
3
4

Z-Air Blk
Syr P
For BTEX Std.
Prep

STOP @ 181.8
SAMPLE LIBRARY 1 JUN 15 94 8:28
ANALYSIS # 64 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR P

COMPOUND NAME PEAK R.T. AREA/PPM

PHOTOVAC

START # 1
2
3
4

Z-Air Blk
Syr ~~R~~ Q KKS
For Chlor Std.
Prep

STOP @ 403.0
SAMPLE LIBRARY 1 JUN 15 94 8:36
ANALYSIS # 65 Z AIR BLK
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR Q

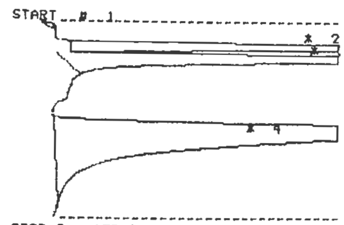
COMPOUND NAME PEAK R.T. AREA/PPM

Carrier Gas Flow has been lowered to 4 ml/min

Client: ACOE
Subject: Soil Gas SEAD 64D
By: KKS

Sheet: 2 of
Date: 6/15/94

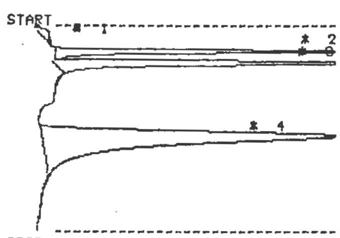
PHOTOVAC



STOP @ 153.6
SAMPLE LIBRARY 1 JUN 15 94 8:46
ANALYSIS # 66 5 PPM CHLOR STD
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	2	19.5	7.0	VS
UNKNOWN	3	28.6	11.2	VS
UNKNOWN	4	87.0	38.2	VS

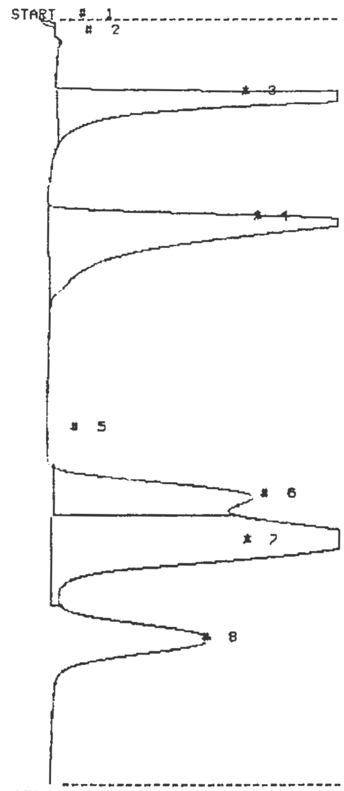
PHOTOVAC



STOP @ 161.9
SAMPLE LIBRARY 1 JUN 15 94 8:49
ANALYSIS # 67 5 PPM CHLOR STD
INTERNAL TEMP 35 0.4 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	1	12.5	179.2	mVS
UNKNOWN	2	20.2	2.9	VS
UNKNOWN	3	29.1	4.8	VS
UNKNOWN	4	86.9	11.4	VS

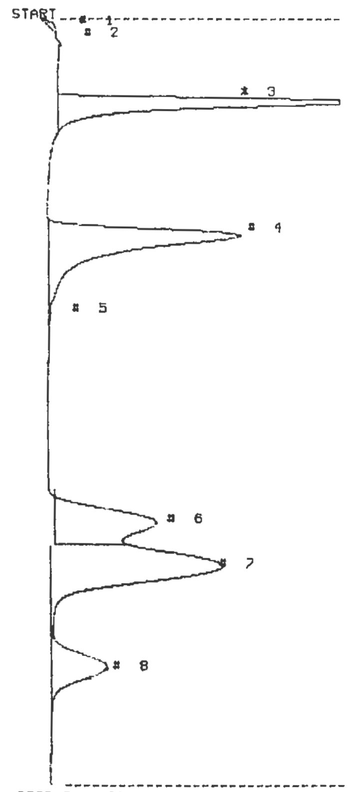
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 15 94 9: 5
ANALYSIS # 68 5 PPM BTEX STD
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	3	61.8	22.1	VS
UNKNOWN	4	161.4	26.6	VS
UNKNOWN	6	381.0	15.3	VS
UNKNOWN	7	410.8	47.0	VS

PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 15 94 9:22
ANALYSIS # 69 5 PPM BTEX STD
INTERNAL TEMP 33 ~~1.0 ML~~ 0.4 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM	
UNKNOWN	1	10.7	127.4	mVS
UNKNOWN	3	65.0	9.9	VS
UNKNOWN	4	172.4	11.5	VS
UNKNOWN	6	400.6	8.2	VS
UNKNOWN	7	435.6	15.8	VS
UNKNOWN	8	516.6	4.4	VS

SOIL GAS CALIBRATION RESPONSE FACTORS: CHLORINATED

ENGINEERING–SCIENCE	CLIENT: ACOE	DATE: 6/15/94
PROJECT: SEAD - 15 SWMU LOCATION: SEAD 64D		Operator: Kerry Smith

Instrument Specs:		Chlorinated Calibration Gas Specifications		
Type of GC:	Photovac 10S 50	Manfacturer:	Scott	Lot#:
Column Type:	CPSil-5	Concentration (ppmV):	100	
Col. Temp. (°C):	40°	Concentration: Vinyl Chloride	102.0	
Chart Speed:	1 cm/min	(ppmV) 1,1–dichloroethene	99.6	
Gain:	10	Trichloroethene	98.4	
Sensitivity:	5/10			
Gas Flow Rate:	7 ~~ticks~~, 4			
Tank Pressure:	1000/1200			

Analysis A
Inj. #: 66

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF			
VC	15.19.5	5.10	7.0	0.73			
1,1–DCE	28.6	4.98	11.2	0.44			
TCE	87.0	4.92	38.2	0.13			

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #: 67

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
VC	20.2	2.04	2.9	0.70	0.01		
1,1–DCE	29.1	1.99	4.8	0.41	0.02		
TCE	86.9	1.97	11.4	0.17	-0.07		

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A–B)/(A+B)/2

V = .03/1.43/2 = .01
D = .03/.85/2 =
T = -.04/.3/2 =

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
VC							
1,1–DCE							
TCE							

Comments:
Concentration is normalized to 1 ml.

SOIL GAS CALIBRATION RESPONSE FACTORS: BTEX

ENGINEERING-SCIENCE	CLIENT: ACOE	DATE: 6/15/94
PROJECT: SEAD-15 SWMU LOCATION: SEAD 64D		Operator: Kerry Smith

Instrument Specs:		BTEX Calibration Gas Specifications		
Type of GC:	Photovac 10S50	Manfacturer:	Cancan	Lot#:
Column Type:	CPSil-5	Concentration (ppmV):	100	
Col. Temp. (°C):	40°	Concentration: (ppmV)	Benzene	98.6
Chart Speed:	1 cm/min		Toluene	97.4
Gain:	10		Ethylbenzene	95.5
Sensitivity:	5/10		O-Xylene	94.5
Gas Flow Rate:	4		M-Xylene	95.0
Tank Pressure:	1000/1200		P-Xylene	93.0

Analysis A
Inj. #: 68

A 1 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF			
Benzene	~~46.3~~ 61.8	4.93	221	0.22			
Toluene	~~145.3~~ 161.4	4.87	26.6	0.18			
Ethylbenzene	381.0	4.77	15.3	0.31			
O-Xylene	410.8	4.73	47.0	0.10			
M-Xylene	↓	4.75	↓				
P-Xylene		4.65					

Comments:
Concentration is normalized to 1 ml.

Analysis B
Inj. #:

A 0.4 ml injection of a 5 ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
Benzene	~~61.8~~ 65.0	1.97	9.9	0.20	0.02		
Toluene	~~161.4~~ 172.4	1.95	11.5	0.17	0.01		
Ethylbenzene	~~381.0~~ 400.6	1.91	8.2	0.23	0.07		
O-Xylene	435.6	1.89	15.8	0.12	0.05		
M-Xylene	↓	1.90	↓				
P-Xylene		1.86					

Comments:
Concentration is normalized to 1 ml.
Delta RF = (A−B)/(A+B)/2

B - .02/~~.21~~ .42/2
T - .01/.35/2
E - .08/.54/2
O+m - −.02/.22/2

Analysis C (if RF relatative % difference is greater than 50%)
Inj. #:

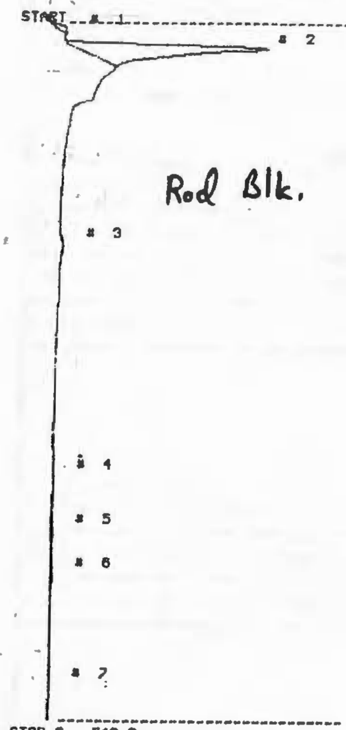
A ______ ml injection of a ______ ppmV standard.

Analyte	Ret. Time (sec)	Concentration ÷	Area (vs) =	RF	Delta RF	RF avg.	
Benzene							
Toluene							
Ethylbenzene							
O-Xylene							
M-Xylene							
P-Xylene							

Comments:
Concentration is normalized to 1 ml.

Client: ACOE
Subject: Soil Gas SEAD 64D
By: KKS

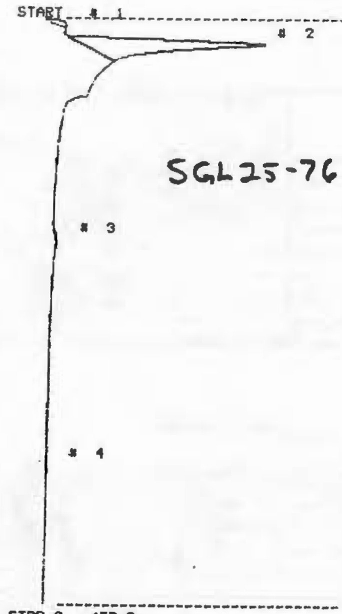
PHOTOVAC



STOP @ 548.2
SAMPLE LIBRARY 1 JUN 15 94 10:33
ANALYSIS # 70 ROD BLK
INTERNAL TEMP 33 1.0 ML
GAIN 10 SYR M

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	7.7	106.5 mUS
UNKNOWN	2	21.8	4.8 US

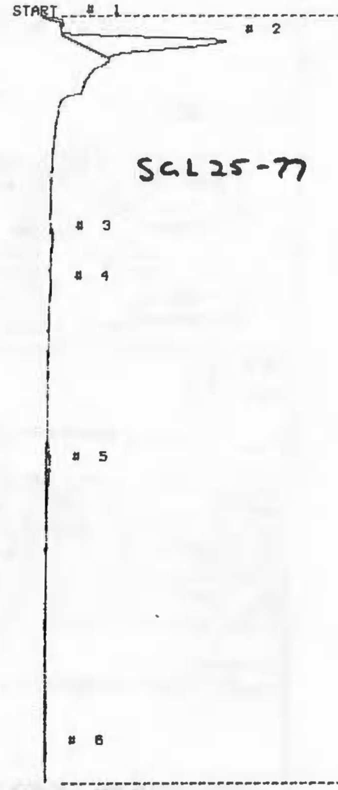
PHOTOVAC



STOP @ 457.8
SAMPLE LIBRARY 1 JUN 15 94 10:50
ANALYSIS # 72 SGL25-76
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR J

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	6.2	107.9 mUS
UNKNOWN	2	20.8	4.7 US

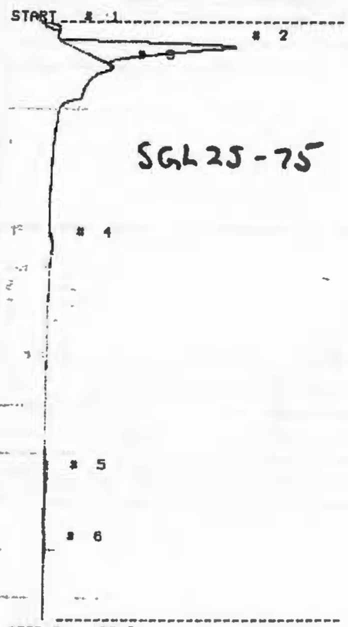
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 15 94 11: 0
ANALYSIS # 73 SGL25-77
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR F

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	20.4	4.1 US
UNKNOWN	5	355.7	231.2 mUS

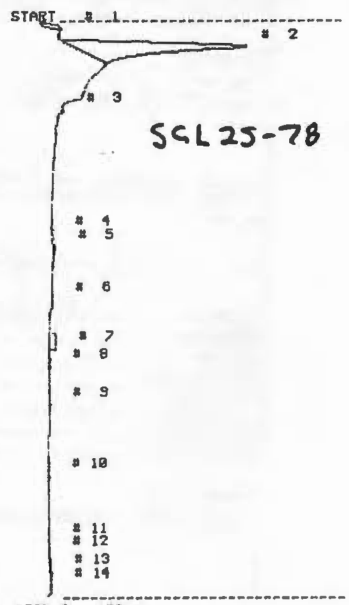
PHOTOVAC



STOP @ 466.2
SAMPLE LIBRARY 1 JUN 15 94 10:41
ANALYSIS # 71 SGL25-75
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR G

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	6.4	107.5 mUS
UNKNOWN	2	20.7	4.2 US
UNKNOWN	5	355.1	239.0 mUS

PHOTOVAC

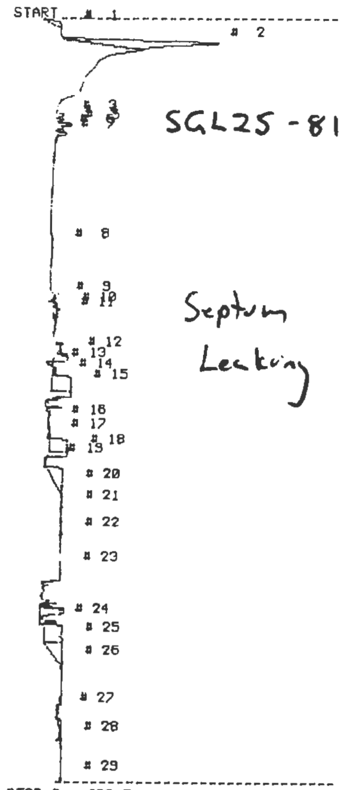


STOP @ 450.4
SAMPLE LIBRARY 1 JUN 15 94 11: 8
ANALYSIS # 74 SGL25-78
INTERNAL TEMP 34 1 ML
GAIN 10 SYR I

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	20.7	4.3 US
UNKNOWN	7	255.3	251.6 mUS

Client: ACOE
Subject: Soil Gas SEAD 64D
By: KKS

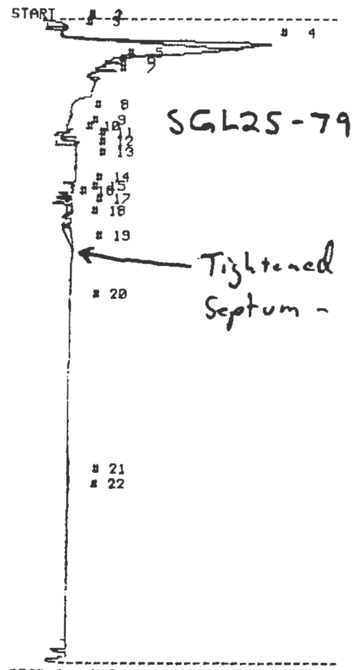
PHOTOVAC



STOP @ 600.0
SAMPLE LIBRARY 1 JUN 15 94 11:19
ANALYSIS # 75 SGL25-81
INTERNAL TEMP 34 0.6 ML
GAIN 10 SYR C

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	20.4	1.5 US
UNKNOWN	11	232.9	109.0 mUS
UNKNOWN	12	263.8	153.4 mUS
UNKNOWN	13	271.8	258.5 mUS
UNKNOWN	15	288.8	739.4 mUS
UNKNOWN	18	340.1	533.0 mUS
UNKNOWN	19	346.7	265.5 mUS
UNKNOWN	20	367.0	488.4 mUS
UNKNOWN	24	474.0	441.7 mUS
UNKNOWN	25	488.7	717.5 mUS
UNKNOWN	26	505.8	610.2 mUS
UNKNOWN	28	566.1	104.7 mUS

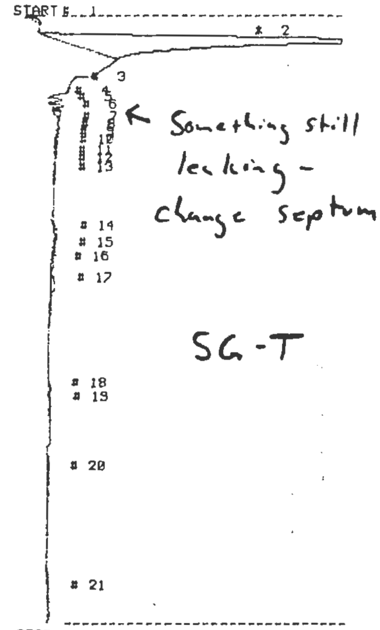
PHOTOVAC



STOP @ 503.8
SAMPLE LIBRARY 1 JUN 15 94 11:33
ANALYSIS # 76 SGL25-79
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR H

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	6.1	257.8 mUS
UNKNOWN	4	20.5	776.5 mUS
UNKNOWN	11	98.1	229.2 mUS
UNKNOWN	17	150.5	281.2 mUS
UNKNOWN	18	159.0	101.8 mUS
UNKNOWN	19	178.7	264.1 mUS

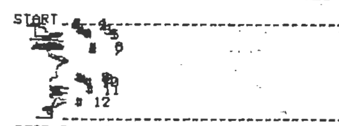
PHOTOVAC



STOP @ 476.1
SAMPLE LIBRARY 1 JUN 15 94 11:43
ANALYSIS # 77 SG-T
INTERNAL TEMP 34 1.0 ML
GAIN 10 SYR E

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	2	20.0	8.4 US
UNKNOWN	17	214.9	124.8 mUS

PHOTOVAC



STOP @ 74.1
SAMPLE LIBRARY 1 JUN 15 94 11:45
ANALYSIS # 78 Z AIR BLK
INTERNAL TEMP 35 1.0 ML
GAIN 10 SYR N

COMPOUND NAME	PEAK	R.T.	AREA/PPM
UNKNOWN	1	8.5	395.8 mUS
UNKNOWN	2	10.3	183.9 mUS
UNKNOWN	3	14.1	244.2 mUS
UNKNOWN	4	16.3	102.1 mUS
UNKNOWN	5	18.5	230.4 mUS
UNKNOWN	11	61.7	298.3 mUS

Blowing out Injection Port

APPENDIX J

RESPONSE TO COMMENTS

COMMENTS BY
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
(USEPA)
FOR
DRAFT EXPANDED SITE INVESTIGATION
SEVEN LOW PRIORITY

General Comments

Comment #1 Radiology: The discussions of the radiological data are confusing and at times, incorrect terminology is used. Additionally, there are several serious problems with some assumptions that were made to calculate radiation doses. For example, the beta radiation dose from ingestion of groundwater is based on ^{40}K and ^{226}Ra. Firstly, ^{226}Ra does not emit beta radiation, rather it emits alpha and gamma radiation, so its use in this context is incorrect. Secondly, the formula presented in Appendix H to calculate the ^{40}K concentration in tissue does not appear to consent with RAGs and neither accounts for a steady body burden nor considers excretion; rather, it bases the concentration solely on the annual ^{40}K intake (i.e., a person ingesting the "affected" groundwater for ten years will have ten times the amount of ^{40}K in their body than a person who ingest the water for one year). This is biokinetically impossible.

Response #1 1) Exception. This ESI investigation is intended to determine whether a release of potential constituents of concern has occurred, and to do so based upon a limited number of investigatory samples. Speciation of beta radiations was not proposed in the EPA approved workplan nor was it performed as part of the ESI. Since the elevated concentrations of radium 226 were detected in two soil samples collected at SEAD-12A (which was investigated as part of the Eight Moderately Low Priority AOC ESI), and since no other radionuclides outside of the Ra-226 decay chain were detected at elevated concentrations at SEDA, a dose model for the beta radiations from the Ra-226 decay chain was developed. The model uses the beta energies from the disintegration of lead-214, bismuth-214, lead-210, and bismuth-210 to calculate an absorbed dose. These four radionuclides are decay products of Ra-226 and account for approximately 98 percent of the beta radiations generated in the Ra-226 decay chain. The model accounts for the fractional uptake of Ra-226 in the gastrointestinal tract, the retention of Rn-222 gas, and the long-term retention of Ra-226 in bone following unit uptake to the blood. Parsons ES believes that this model is adequate for the purposes of this ESI.

2) Acknowledged. The formula in Appendix H is modified for a calculation of dose rate due to a constant rate of K-40 beta radiations. For the purposes of this ESI, the fractional uptake of potassium is assumed to be equal to 1 and the amount of potassium maintained in the body is assumed to be constant (and therefore is voided by the body at a rate that is equal to the rate of uptake). Using these assumptions, and using the ingestion of 2 liters of water per day to establish the amount of K-40 activity in the body from water ingestion, the dose rate is calculated by determining the energy imparted to the body from the disintegrations of K-40 from ingested water.

Comment #2 Seismic Surveys: There are several problems with the discussions of the seismic work performed at the SEADs:

1. The data collected for the seismic surveys are not presented; therefore the reader must assume that the interpretations made by the authors are correct.
2. The location of Geophone #1 must be shown on each profile in order for the reader to evaluate the seismic data tabulated for each SEAD.

3. The validity, and hence usefulness, of the surveys is questionable. There is little agreement between the depths to bedrock and water table determined by the seismic surveys and the actual depths determined by the drilling and monitoring well installation activities conducted at each SEAD. Most of the surveys failed to detect a saturated zone. The reason provided by the authors was that a saturated thickness in the overburden of less than two feet would not be resolved by the seismic surveys; however, in almost every instance the saturated thickness was greater than two feet as demonstrated by the monitoring wells.

Response #2 1) Agreed. The seismic data was interpreted and closely examined by experienced geophysicists. The reader can assume that the interpretations made are correct.

2) Agreed. The location of geophones 1 and 24 are now shown on each profile.

3) Disagree. The intended objective of the seismic surveys was to determine the direction of groundwater flow at each site based upon a definition of the bedrock surface. This was done in order to permit an accurate placement of upgradient and downgradient monitoring wells. This objective was approved by the EPA in the 15 SWMU Workplan. Also, this objective was achieved at all but one of the 25 SWMUs investigated at SEDA. Concerning the portion of the comment that discusses the detection of a saturated zone by the seismic refraction surveys, the comment's author is referred to the sections of the text that show the detected till velocities. The seismic velocities of the till are in the range of 1,000 to 2,000 feet per second. These velocities do not indicate a saturated till, saturated till typically has velocities in the range of 5,000 feet per second. Parsons ES would also like to point out that the seismic surveys were performed in December while the water level measurements were performed in June or July of the following year. During December the lowest water table elevations, and therefore the thinnest saturated overburden is present. Since water levels were measured up to 7 months later the reviewer should expect discrepancies between these two data sets. Our intent was to map the surface of the bedrock, because the bedrock is acting as an aquaclude for the till aquifer. It was in response to EPA comments on the SEDA ESI workplans that any mention of saturated zone detection be included in the ESI workplans, and therefore, in this report.

Comment #3 Nature and Extent of Contamination: Determining the extent of contamination is beyond the intended scope of the Expanded Site Inspections. An appropriate title for this report section would be "Summary of Analytical Results".

Groundwater Analysis Results Tables: All these tables should be revised to include Federal MCLs and action levels. Any "Number Above Criteria" and corresponding text discussions should then be corrected.

Surface Water Analysis Results Tables: The tables list NYS guidelines for Class D, but the classification has recently changed to Class C. The tables should be updated to include the most current values. The Federal Register lists Surface Water Quality Criteria which should also be included on these tables.

Sediment Analysis Results Tables: NYSDEC Sediment Criteria from 1989 are listed on these tables. These are not the most up-to-date values. The tables should be revised to include the most current sediment criteria.

Response #3 a) Disagree. According to the USEPA Expanded Site Inspection (ESI) Transitional Guidance (1987), one objective of the ESI is to develop a conceptual model. Elements

of the conceptual model include contaminant source investigation and determination of the depth and extent of contamination. Chemical analysis data for each media (soil, groundwater, surface water, and sediment) are compared to background concentrations and available state and federal standards to quantitatively assess if a release has occurred to groundwater, soil, or air, and to determine the general spatial distribution of contaminants. The title for Section 4 will remain unchanged.

b) Disagree. This is an inaccurate comment. All of the information requested in this portion of the comment is included in the draft Seven Low Priority AOC ESI report reviewed by the EPA.

c) According to the Federal Register, the listed water quality criteria may form the basis for enforceable standards. A water quality criteria has regulatory impact if it has been adopted in a State Water Quality Standard. For each standard, a state may adopt the national criteria, if one exists, or if adequately justified, a site specific criteria. Therefore, the NYSDEC AWQ Standards for surface water have been used as the criteria for surface water at SEDA and have been revised for Class C surface water.

d) NYSDEC Sediment Criteria have been updated to the 1994 version.

Comment #4 The report should present the results of the duplicate samples in the summary tables for each AOC so that the reproducibility of the analytical procedures may be evaluated. Tentatively identified compounds (TICs) were reported by the laboratory; some samples, however, the TICs are not discussed in the text of the report. A discussion of the TICs for each site should be included since they may indicate potential contaminants and help to focus any future investigations.

Response #4 Agreed. Discussions about the tentatively identified compounds have been included in Section 4 for each site. The data have already been presented in Appendix F.

The results of all duplicate samples are presented in the complete tables of analytical results in Appendix E and in the summary tables presented in Section 4 of the report. It should be noted that only one duplicate sample is required for each sample delivery group (SDG), and, that in some instances, the samples from several AOCs being investigated during this ESI may be included in a single SDG. Duplicate samples are part of the laboratory analysis Quality Assurance/Quality Control process and the reader may refer to Section 6 of the ESI report for a complete discussion on the Quality Assurance/Quality Control of the laboratory analyses.

Specific Comments

Comment #1 Page 1-6: General Description - the text should be corrected to state that the facility has been identified for closure.

Response #1 Agreed. The text has been revised.

Comment #2 Figure 1.1-6: The text on this figure is difficult to read.

Response #2 Agreed. The figure has been revised.

Comment #3 Page 1-14: The average pumping rate for the domestic and farm wells in the area is given as 0.35 gallons per minute (gpm) averaged over a 24-hour period. This is a very low pumping. It would be useful to know the approximate range of pumping rates for

these wells. The locations of the public water supply wells for the villages of Ovid and Interlaken should be shown on a map along with the Seneca Army Depot property. Alternatively, their distance from SEDA should be stated.

Response #3 Agreed. The data on well use, average withdrawal, and average yield of wells in the county were compiled by A.J. Mozola in the paper, "The Groundwater Resources of Seneca County, New York" (1951). This source is referenced in the text on page 1-13. However, the approximate range of pumping rates is not discussed in the cited reference.

Regarding the locations of public water supply wells in Ovid and Interlaken, the text of Section 1.1.1.2 has been revised to include their approximate distances from SEDA and the locations of their public water supply wells.

Comment #4 Page 1-28, p3: The text indicates three inches or "rainfall" per month but probably means "precipitation".

Response #4 Agreed. The text has been changed.

Comment #5 Page 1-31, p3: See previous comment above on the planned closure of the facility.

Response #5 Agreed. The text has been revised.

Comment #6 Figure 1.1-15: The limits of SEAD-62 should be shown on this figure.

Response #6 Agreed. The figure has been revised

Comment #7 Figure 1.1-16: The north-south Baseline Road should be shown on this figure.

Response #7 Agreed. The figure has been revised

Comment #8 Figure 1.1-17: What does the dotted line represent on this figure, it is not shown in the legend.

Response #8 Agreed. The figure has been revised. The dotted line represents the approximate extent of the landfill.

Comment #9 Figure 1.1-18: The limits of the SEAD should be shown on the figure.

Response #9 Agreed. The figure has been revised

Comment #10 Figure 1.1-19: The limits of the SEAD should be shown on this figure, along with the existing well locations since text discusses them

Response #10 Agreed. The figure has been revised

Comment #11 Figure 1.1-20: The limits of the SEAD should be shown on this figure.

Response #11 Agreed. The figure has been revised

Comment #12 Page 1-58, Section 1.1.2.7.1, Figure 1.1-23: Show the suspected disposal area on the figure. The railroad tracks appear to service Building 127 and not 122 as stated in the text. Building 146 should also be identified.

Response #12 Agreed. The figure has been revised

Comment #13 Page 2-13, last line: "Soil samples were..."should read "Soil gas samples were ".

Response #13 Agreed. The text has been revised.

Comment #14 Page 2-19, p2: The text should be clarified to indicate if wire-wrapped screens were used. If they were not used, the wells are not in compliance with NYCRR Part 360. Appendix C (Well Construction Logs) should also show the sand choke interval on the construction logs.

Response #14 Disagree. The text states that the wells were constructed of new 2-inch schedule 40 PVC with a screen slot size of 0.010-inch following the protocols of the 15 SWMU Workplan which was reviewed and approved by the EPA. It should be noted that NYCRR Part 360 describes well construction techniques that must be followed when installing long term groundwater monitoring wells at solid waste management facilities. The groundwater monitoring wells installed during this ESI are intended to be short term monitoring wells. There is no guidance within the New York Code of Rules and Regulations which is specific to the construction of short term monitoring wells. Parsons ES believes that the monitoring well construction techniques described in NYCRR Part 360 serve as the most relevant guidance for the construction of short term monitoring wells. The well screen requirements detailed in NYCRR Part 360 stipulated that wire-wrapped long term monitoring well screen materials "must be of a material appropriate for long term monitoring without contributing contaminants to or removing contaminants from the groundwater". Parsons ES chose to use schedule 40 PVC well screen for the short term monitoring wells installed as part of this ESI since PVC well screens meet the requirements that contaminant are not contributed to or removed from the groundwater. The use of such well screen material does not compromise the data acquired from these wells. The Appendix C Well Construction Logs now list the #1 and #3 sand intervals on the construction logs.

Comment #15 Page 2-19, p5: The text states that the casings were installed a minimum of 1.5 feet below grade to "prevent" frost heave, this depth will not prevent frost heave since freezing occurs to a depth of up to approximately three to four feet in Upstate New York.

Response #15 Agreed. The text has been revised to state that the casings were installed to attempt to minimize the effects of frost heaving. It should be noted that, due to the shallow depths to the top of the water table and the relatively thin till layers often encountered at SEDA, installing deeper well casings would prevent the screening of the full length of the overburden aquifer. More importantly, if deeper well casings were installed in those areas where the top of the water table is shallower than 3.5 to 4 feet, any floating product that may be present at a site would go undetected.

Comment #16 Figure 2.4-1, Part2: The seismic line locations are not clear on this figure. The spacing of the EM-31 lines, 50 feet, would probably miss a small target area such as a drum buried below the surface, limiting the use of the data collected. An uncertainty discussion should be included.

Response #16 Agreed. Figure 2.4-1 has been revised and the text in Section 3.2.2.2, which presents the findings of the EM-31 survey at SEAD-62, has been revised to indicate that approximately 40% of the surface area of SEAD-62 was investigated by EM-31.

Comment #17 Figure 2.5-2: During subsequent investigations, a SW/SD sample should be collected from the on-site pond.

Response #17 Agreed. The pond will be sampled as part of the RI being planned for this site.

Comment #18 Figure 2.6-1: If the EM & GPR surveys were conducted to define the limits of wastes, it is unclear why all the lines do not cross the boundary to the north as shown on this figure. It is assumed that the dotted line is the boundary of the waste.

Response #18 Acknowledged. As stated in the SEAD-64A site description given in Section 1.1.2.4.1.1, this site is bounded to the north by a storage pad. The EM-31 and GPR surveys covered all of the area of SEAD-64A as described in the EPA approved 15 SWMU Workplan. Additionally, several GPR lines were extended north, beyond these limits, in areas where materials were not being stored on the storage pad. The dotted line represents the approximate boundary of the landfill as determined by the EM-31 and GPR interpretations.

Comment #19 Page 2-46: During subsequent investigations, a sample should be collected from MW64A-1A. This would provide additional groundwater quality data for the site.

Response #19 Agreed. Monitoring well MW64A-1A will be sampled as part of the RI being planned for SEAD-64A.

Comment #20 Figure 2.7-1: Not all four seismic lines appear on this figure.

Response #20 Disagree. All four seismic lines are shown in this figure. The figure has been revised to make these lines more visible.

Comment #21 Figure 2.7-2: During subsequent investigations, a SW/SD sample should be collected from the drainage ditch located near TP64B-1 and Unnamed Road/Ovid Road to determine potential impacts on this drainage from the site.

Response #21 Acknowledged. When funding is appropriated to continue the investigation of SEAD-64B following the incremental agenda presented in Section 1.0, the army will use the information obtained about this site to assess whether or not any data gaps exist. The army will then determine the degree and amount of additional effort that will be required to address any data gaps that are identified. EPA's suggestion that a SW/SD sample be collected from the drainage ditch located near TP64B-1 will be included in the data gap assessment.

Comment #22 Figures 2.8-1/2.8-2: It is unclear how these figures relate to each other, a match line should be shown in each figure.

Response #22 Agreed. The figures have been revised.

Comment #23 Page 2-52: No GPR survey was conducted on the western section of the SEAD and no rationale is given for not conducting a GPR survey in this area.

Response #23 Agreed. The text has been revised to include the following statement: "A GPR survey was not performed in the western area of SEAD-64C because no EM-31 anomalies of unknown origin were detected in this area."

Comment #24 Page 2-56: During subsequent investigations, soil samples should be collected adjacent to the pad even though there were no geophysical anomalies since releases may have occurred at the pad during its use.

No SW/SD samples were collected from the drainage ditches which cross the site. During subsequent investigations, these should be investigated to determine potential impacts.

Response #24 Acknowledged. When funding is appropriated to continue the investigation of SEAD-64C following the incremental agenda presented in Section 1.0, the army will use the information obtained about this site to assess whether or not any data gaps exist. The army will then determine the degree and amount of additional effort that will be required to address any data gaps that are identified. EPA's suggestion that SW/SD samples and additional soil samples be collected at this site will be included in the data gap assessment.

Comment #25 Figure 2.9-3: Incorrect symbols are shown for surface soil sample locations.

Response #25 Agreed. The figure has been revised

Comment #26 Page 2-66: The text states that test pits were conducted through each pile; however, Figure 2.10-2 does not indicate this.

Response #26 Disagree. The text states that "One excavation was advanced through each of the five piles identified in the workplan" The figure has been revised to more clearly indicate where each individual pile is located.

Comment #27 Page 2-75: A discussion should be provided as to why the EM-31 survey was not conducted within the fenced area, since this was a suspected disposal area.

Response #27 Agreed. The text has been revised to include the following sentence: "EM-31 could not be collected within the fenced area of SEAD-71 because numerous metallic objects and construction vehicles are being stored in this area."

Comment #28 Page 2-78: Monitoring well MW 71-2 was installed within the AOC and not upgradient of the AOC as stated in the text.

During subsequent investigations, additional monitoring wells should be installed to the west of the new area (outside the fence) since the wells shown on the figures were installed prior to learning of the new area outside the fence.

Because the upgradient well was dry, an additional sampling event should be conducted during high water tables conditions or a new upgradient well should be installed.

Response #28 1. Disagree. The AOC occupies the southwestern quadrant of the storage area. Monitoring well MW71-2 is located in the northwestern portion of the southeastern quadrant of the storage area.

2. Agreed. Additional downgradient monitoring wells will be installed as part of the RI being planned for this site.

3. Agreed. Monitoring well MW71-2 will be sampled twice as part of the RI being planned for this site. Every effort will be made to schedule the sampling events during periods of high water table conditions.

Comment #29 Figure 3-1.1: The data presented in this figure is from July 6, 1994 and not July 25, 1994 as stated on the figure.

Response #29 Agreed. The figure has been revised.

Comment #30 Page 3-5, Line 3: This statement, 'The upper 3-5 foot portion of the competent shale is weathered." does not make geologic sense.

Response #30 Agreed. The text has been revised.

Comment #31 Page 3-8: The results of the GPR survey should be provided in the report for evaluation.

Response #31 Exception. Due to the format of the GPR data, which was produced by the GPR instrument (i.e. continuous strip-charts on electrostatic paper), reproduction of these data for the purposes of review and/or interpretation is both time consuming and expensive. Inclusion of these data in the report would not contribute to the reader's understanding of the geophysical interpretations presented in Section 3 of this report. However, these data are maintained at the Boston office of Parsons Engineering Science, Inc. Should the EPA require these data for additional examination, a written request for the original GPR chart data may be submitted to the USACOE, Huntsville division, or these data may be viewed at Parsons ES' Boston office.

Comment #32 Page 3.2.3: The groundwater flow lines should be perpendicular to potentiometric contours. A review of field notes, photographs, etc. should be conducted to verify that surface water is actually present within the drainage ditches where groundwater contours are above the ground surface.

Response #32 Agreed. The groundwater flow direction arrows shown on Figure 3.2-3 have been revised. The text has also been revised to explain that water was observed in the drainage ditches but that the groundwater contours in the areas of the ditches were not modified for local drainage effects. The groundwater contours shown on the figure are intended to illustrate the regional groundwater flow patterns at SEAD-62 ,and, therefore, the groundwater contours were not altered in an attempt to show local flow directions in the immediate areas of any drainage ditches.

Comment #33 Page 3-15, p1: The square shaped anomaly discussed in the text appears to be in the northwest, and not the northeast. Were utility maps checked to confirm the accuracy of the phrase "presumably associated with underground utilities?

Response #33 Agreed. The text has been revised to indicate that the square shaped anomaly is located in the northwest portion of SEAD-63. The phrase 'presumably associated with underground utilities" is accurate. Numerous resources have been verified at SEDA and to date no buried utilities are known to exist in the area of this anomaly. Due to the classified nature of most of the information pertaining to the Q Area, it is still possible that a utility line (or lines) are buried here. The text has been revised to state that this anomaly may also be due to an accumulation of road salt in the drainage ditch.

Comment #34 Figure 3.3-4: The data on the figure (7/25/94) does not match the table or text. The data presented on this figure are for July 6, 1994 and not for July 25, 1994.

Response #34 Agreed. The figure has been revised.

Comment #35 Page 3-22: It is unclear if the depth to bedrock presented is the depth to competent or weathered bedrock.

Response #35 Agreed. The text has been revised.

Comment #36 Page 3-24: It would help if the anomalies discussed in the text were shown on the figures.

Response #36 Agreed. The text and figures have been revised accordingly.

Comment #37 Page 3.4-4: The thickness of fill data presented in this figure do not appear to correspond to the fill thickness data collected from the test pits at the site. The figure should be reviewed and corrected as needed.

Response #37 Disagree. The thickness of fill data presented in this figure differ by less than a foot from the thickness of fill measured at the test pit locations. Given the broad variations in the dielectric constant of subsurface materials that can occur in a landfill (the dielectric constant is the electrical property of soils to which the speeds of GPR signals are greatly influenced), the thickness of fill contours show a very good correlation with the test pit excavation findings.

Comment #38 Page 3-29: The text states that no sustained surface water bodies are present on site, however, surface water appears to be present to the east, as shown on the AOC figures.

Response #38 Disagree. The area with standing water located to the east of SEAD-64A was mapped during the aerial photogrametry survey. This area of standing water is not sustained throughout the year and it has been removed from the AOC figures.

Comment #39 Figure 3.4-5: The data on this figure, (7/25/94) does not correspond to the text or table. No groundwater flow arrows are shown as indicated in the legend of the figure.

Response #39 Agreed. The figure has been revised.

Comment #40 Page 3-33, p2: Competent shale is stated as being weathered, see earlier comment.

Response #40 Agreed. The text has been revised.

Comment #41 Page 3-33, EM-31: The locations of the EM-31 anomalies being discussed should be shown on the figure.

Response #41 Agreed. The figure and corresponding text have been revised.

Comment #42 Page 3-36: The GPR survey results should be provided for review.

Response #42 Exception. See response to comment #31.

Comment #43 The text is unclear if a sample was collected from the soils, which the metal detector/EM indicated were metallic.

Response #43 Disagree. There is no mention in the text that samples were collected during the test pitting excavations. The phraseology of the text has been revised to indicate that a "visual inspection of these soils..."

Comment #44 Page 3-38, p4: The text states, " the site there is a steep deep in elevation.." which requires clarification.

Response #44 Agreed. The text has been revised.

Comment #45 Figure 3.5-3: The data presented in this figure are not from July 25, 1994, but from July 6, 1994. The groundwater flow arrows presented should be perpendicular to the potentiometric contours.

Response #45 Agreed. The figure has been revised.

Comment #46 Page 3-41, p2: The third sentence should indicate the lower till and not the upper till.

Response #46 Agreed. The text has been revised.

Comment #47 Page 3-44, p2: The text states that a pit containing constantine wire is present. A test pit should be conducted in this area to confirm this report and to investigate the potential presence of other wastes.

Response #47 Acknowledged. When funding is appropriated to continue investigations of SEAD-64C, the army will assess the information obtained about this site and the army will then determine the degree and amount of additional effort that will be required to address any data gaps that are identified. EPA's suggestion that a test pit excavation be performed at the burial pit containing constantine wire will be included in this assessment.

Comment #48 Page 3-44: The results of the GPR survey should be provided for review.

Response #48 Exception. See response to comment #31.

Comment #49 Page 3-47: If possible, the locations of the wires should be shown on a map so that the EM results may be confirmed.

Response #49 Acknowledged. Many wires and cables were observed intermittently on the ground surface throughout the area of the large oval shaped EM anomaly. The specific locations of these observations were not recorded. The text of the report clearly explains the reasoning behind associating the wires and cables observed at or near the ground surface to the large oval shaped EM anomaly.

Comment #50 Figure 3.6-5: The text states that there is no sustained surface water at the site, however, a review of the potentiometric contour map indicates groundwater contours are above the ground surface in some of the drainage ditches, indicating the presence of surface water. The potentiometric contour maps should be reviewed and corrected as appropriate.

Response #50 Agreed. The figure has been revised.

Comment #51 Page 3-50, p3: The text states that the only fill encountered at the site was at the south end in a test pit. However, no test pits were conducted on the south end of the site (per Figure 2.9-3). The figures presented for this site have north arrows which point in different directions. The figures should be reviewed and corrected as needed.

Response #51 Acknowledged. The directions of the north arrows have been revised on all SEAD-64D figures, including Figure 2.9-3. Test pit TP64D-1 is now shown to be situated along the southern boundary of the site in Figure 2.9-3.

Comment #52 Page 3-54: The results of the GPR survey should be provided for review.

Response #52 Exception. See response to comment #31.

Comment #53 Figure 3.7-3: The data presented in this figure are not for July 25, 1994, but for July 6, 1994. The contouring on this figure appears to be incorrect and should be reviewed and corrected as needed.

Response #53 Agreed. The figure has been revised.

Comment #54 Page 3-61: The results of the GPR survey should be provided for review.
Response #54 Exception. See response to comment #31.

Comment #55 Figure 3.8-3: What is the basis for the 692 contour presented in this figure?

Response #55 Acknowledged. The 692 contour, which had been extrapolated from the water level measurement made in monitoring well MW67-3 (measured at 692.23 feet) and the trend of the groundwater elevation contours calculated between MW67-1, MW67-2 and MW67-3, has been removed.

Comment #56 Page 3-70: The results of the GPR survey should be provided for review.

Response #56 Exception. See response to comment #31.

Comment #57 Figure 3.9-3: The date of the data presented on this figure does not correspond with the table or text, see earlier comments.

Response #57 Agreed. The figure has been revised.

Comment #58 Page 3-72, p3: The text incorrectly states that groundwater flow is to the south-southwest. As shown on Figure 3.9-3, flow is to the northwest.

Response #58 Agreed. The text has been revised.

Comment #59 Page 3-75, p2: See earlier comment which pertains to weathered competent bedrock.

Response #59 Agreed. The text has been revised.

Comment #60 Figure 3.10-4: The date of the data presented on the figure does not correspond with the text or table.

The basis for locating the wells is unclear. Additional wells may be required further downgradient since the downgradient edge of the suspected site is not being monitored by the existing monitoring wells.

Response #60 1) Agreed. The text has been revised.

2) Agreed. The existing monitoring wells were located based upon the results of the seismic refraction data and the location of SEAD-71 as it was shown in the 15 SWMU workplan. It was approximately one month after the installation of the existing SEAD-71 monitoring wells that an additional area, further to the west of the originally identified AOC limits, was identified as the potential location for the paint disposal pits. Two additional downgradient monitoring wells are proposed as part of the RI being planned for this site.

Comment #61 Page 4-1, p2: There is an updated TAGM (HWR-94-4046) dated January 24, 1994 this should be used in place of the HWR-92-4046 document.

Response #61 Agreed. The soil analysis tables of the report have been updated and the text discussions have been revised accordingly.

Comment #62 Page 4-1, p3: Site background levels should be used for the listed metals instead of the TAGM Guidelines, since background numbers are available and are presented earlier in this document.

Response #62 Disagree. We have used the higher of the two values (site background or NY State background) presented in the TAGM Guideline. The NYSDEC project manager for this ESI has not indicated otherwise.

Comment #63 Page 4-5, p1: The text should list the compounds being discussed, i.e.,"... at this location values of up to 18,000 ug/kg were measured for several individual compounds..."

The reader of the report should be made aware that the TAGM values presented have not been corrected for site TOC. Additional site TOC samples should be collected in the future investigations at this and other sites.

Response #63 1) Agreed. The text has been revised.

2) Agreed. TOC data were not collected as part of this ESI because it was not specified in the EPA approved workplan. Should further investigation or remedial activities be conducted at SEDA, TOC data will be collected as part of the scope of work. A paragraph has been added to Section 4.0 of the report informing the reader that the TAGM guideline values presented have not been corrected for site TOC.

Comment #64 Figure 4.1-1: There is no basis to support the potentiometric contours as shown.

Response #64 Agreed. The figure has been revised.

Comment #65 Page 4-7, p2: The second line of the paragraph is missing text "... highest concentrations (218,000 mg/kg in and 50,900 mg/kg) were detected..."

Response #65 Agreed. The text has been revised.

Comment #66 Page 4-9, p2: While the turbidity level was an order of magnitude higher in MW-60-1, it was still only 104 NTUs, which is not extremely high and may not fully explain the high levels of metals detected.

Response #66 Acknowledged. However, three of the four elements that exceeded a groundwater criteria value (the elements aluminum, manganese, and sodium) were found in sample MW60-1 at concentrations that were at least two times higher than the concentrations found in the other groundwater samples. It was this observation that was correlated to the high turbidity of groundwater sample MW60-1. The text has been rewritten accordingly.

Comment #67 Figure 4.1-2: There is no basis to support the potentiometric contours as shown.

Response #67 Agreed. The figure has been revised.

Comment #68 Page 4-14: Additional sediment samples in the drainage ditch should be collected closer to the source area, since sediment criteria have been exceed in more distant locations.

Response #68 Agreed. Eight additional surface water and sediment samples are proposed as part of the RI being planned for this site.

Comment #69 Table 4.2-1: See previous comment on TAGM values, i.e., date of TAGM and TOC content.

Response #69 Agreed. See the response to comment #61 addressing the date of TAGM and the response to comment #63 addressing TOC content.

Comment #70 Page 4-17, Section 4.2.3.1: The text states that benzene was the only volatile organic detected in the groundwater samples collected at "SEAD-60", this should read "SEAD-62".

Response #70 Agreed. The typographical error has been revised.

Comment #71 Page 4-20: paragraph 2, sentence 3: "Bone surface seeker" is a more accurate term.

Response #71 Agreed. The text has been revised.

Comment #72 Page 4-21 and Table 4.3-1: Section 4.3.2.3 reported pesticides in units of mg/Kg, but the units used in the table were ug/kg. The discrepancy should be corrected.

Response #72 Agreed. The typographical errors have been revised.

Comment #73 Table 4.3-2: As all the radionuclides considered are naturally occurring, regional background concentrations should be subtracted from the data before modeling dose. Note 1 should include a more detailed explanation as to how the background dose was calculated.

Response #73 Agreed. However, the regional background concentrations of the radionuclides considered can not be determined from data collected during this ESI. A single background sample location, MW12A-1, was investigated as part of the 15 SWMU ESI. The results of the MW12A-1 sample analyses are reported in the Eight Moderately Low Priority AOCs draft final report. For the purposes of providing a basis of comparison between the doses calculated from the SEAD-63 sample analyses and a TAGM TEDE value of 10 mrem above background, the mean of the doses calculated from the MW-12A-1 results was calculated and used as the background TEDE value. Note 1 has been revised accordingly.

Comment #74 Figure 4.4-3: There is no basis to support the potentiometric contours as shown.

Response #74 Agreed. The figure has been revised.

Comment #75 Page 4-71, Section 4.9.3.4 Metals: The text states that no reported values were above surface water criteria. However, Table 4.9-3 shows that iron exceeded by an order of magnitude the reported criteria in both samples.

Response #75 Acknowledged. The text in Section 4.9.3.4 discusses the various metals that were found in the SEAD-70 groundwater samples. Table 4.9-3 presents the SEAD-70 surface water analysis results. The text of Section 4.9.4.4 has been revised to indicate that iron

exceeded by an order of magnitude the reported criteria in both of the SEAD-70 surface water samples.

Comment #76 Page 4-76: Based upon a review of the data presented in Table 4.9-4, it should be noted that high detection limits were reported for results in sample SD70-1, this may indicate a potential problem at this location.

Response #76 Acknowledged. The text has been revised.

Comment #77 Figure 4.10-1: See earlier comments on potentiometric contours.

Response #77 Agreed. The figure has been revised.

Comment #78 Section 5.0 - General Comments: a) While a qualitative exposure pathway analysis is a necessary complement to the evaluation of environmental sampling results in recommending appropriate future actions, many of the exposure route/receptor analyses conducted in Section 5.0 are inappropriate and in some cases too general to support the AOC-specific recommendations for future action.

b) Comparison of environmental analysis results to respective TAGMs is an inappropriate basis for eliminating chemicals from consideration as chemicals of potential concern. A more rational basis, consistent with the USEPA's Risk Assessment Guidance for Superfund (RAGS), should be provided for selecting or dismissing chemicals as chemicals of potential concern. Comparison to the USEPA, Region III risk-based concentrations (RBCs) and for the inorganic chemicals, to site background concentrations and essential nutrient levels, would be more appropriate basis for eliminating chemicals from consideration.

c) Consideration should be given to the potential for human exposure with chemical contaminants in subsurface soil. Such exposure may be possible for a utility or construction workers that may have to open shallow trenches in the course of their activities.

d) The source/release mechanism/pathway analyses for each AOC provided in the text and the Exposure Pathway Summary figures should be reviewed and revised, as appropriate.

Response #78 a). Exception. The objective of this ESI was to determine whether or not a threat existed at the individual AOCs. If it was determined that a threat existed at an individual site, an appropriate remedial action for that site would be recommended based upon the concentrations of hazardous constituents present and an analysis of their potential route/receptor pathways. A review of the exposure route/receptor analyses conducted in Section 5.0, Health and Environmental Concerns, indicated that the constituents identified at elevated concentrations in five AOCs posed threats to human health and/or the environment. The pathway analyses performed for SEADs 60, 63, 64a, 64D, and 79 contributed to the decision to recommend that a remedial investigation be performed at each of these sites.

b) Exception. Analytical results from the ESI sampling program were compared to NYSDEC TAGM values and appropriate Federal standards as discussed in Section 4.0. This method for determining whether a threat exists at these sites was agreed upon by the USEPA, NYSDEC, and the Army prior to beginning the field work for this ESI. NYSDEC TAGM values tend to be conservative because they are derived based on

exposure factors for residential use, levels contained in USEPA's HEASTs, human health based levels for systemic toxicants (using RfDs), environmental concentrations which are protective of groundwater/drinking water quality, background values for contaminants, and detection limits.

c) Exception. A pathway analysis such as human exposure with chemical contaminants in subsurface soils is beyond the scope of this ESI. Complete pathway analyses will be performed as part of the RIs being recommended for SEADs 60, 63, 64A, 64D, and 71.

d) Agreed. The text and Exposure Pathway Summary for each site have been revised, as appropriate.

Comment #79 Page 5-1, p3: The Seneca Army Depot has been identified for closure, which in turn would mean a change in future use of the facility. This fact should be stated in the text.

Response #79 Agreed. The text has been revised.

Comment #80 Page 5-10, p4: While the metals concentrations may not be considered significant, the presence of benzene at 2 ug/l in two of the three wells may be considered significant since benzene is a known carcinogen and may exposure a future risk

Response #80 Acknowledged. The text has been revised to indicate that benzene may pose a potential risk to future on-site residents who may use groundwater as their primary drinking water source. It should be noted that the detected concentration was below the federal MCL guideline value of 5 ug/L.

Comment #81 Page 5-13, and Figure 5.4-1: External gamma radiation may need to be included as a possible exposure route if SEAD-63 has been impacted by radioactive constituents.

Response #81 Acknowledged. External gamma radiation surveys are planned as part of the RI being prepared for this site. It should be noted that, although the initial model used to estimated the radiation dose from radionuclides in soils showed elevated doses when compared to the current background value, the radiochemical results of the soil analyses at this site do not indicate a release of radionuclides in the fill material. The dose model will be refined during the RI process and, based upon the current understanding of this site, it is likely that the soil radionuclide concentrations at this site will be found to be insignificant when compared to a statistically valid background value.

Comment #82 Page 5-14, p2: A brief explanation should be provided as to how the "annual radiation dose" was estimated as it is not clear if the estimate is based on the Ra-226 concentrations in soil or from exposure rate measurements.

Response #82 Disagree. The introductory paragraph to Section 5.4.3 explains that the media summaries provided in this section are based upon the detailed information presented in Section 4 of the report.

Comment #83 Page 5-16, p1: The text states consistently that compounds pose an unlikely risk to receptors because they are present at low concentrations and only a small number slightly exceed their respective TAGMs.

Response #83 Acknowledged. The text has been revised to indicate which groups of constituents are present at elevated levels and by how much those groups of constituents exceed their respective criteria values.

Response #83 Acknowledged. The text has been revised to indicate which groups of constituents are present at elevated levels and by how much those groups of constituents exceed their respective criteria values.

Comment #84 Page 5-31, p3: The text lists several metals as present in groundwater from MW-64D-5, but then states that "both" were at least an order of magnitude above their TAGMs. It is unclear which metals are being discussed.

Response #84 Agreed. The text has been revised.

Comment #85 Page 5-43, Section 5.11.2.4: As winds need not be "high" to generate dust, "high" should be deleted from the sentence.

Response #85 Agreed. The text has been revised.

Comment #86 Section 7.0 Recommendations for Future Actions - General Comments: A brief explanation of "mini-risk assessment" should be provided. The Army Corps has guidance for conducting "screening risk assessments" and uses the results as the basis for no-action Decision Documents. In the screening risk assessment, the human health evaluation is comprised of simple comparisons between the maximum detected concentration of each chemical in each impacted medium with the Risk-Based Concentrations developed by USEPA, Region III while the environmental evaluation is limited to a qualitative discussion.

Response #86 According to the IAG (commonly referred to as the Federal Facilities Agreement (FFA)) between the EPA Region II and NYSDEC, if the conclusion of this report is that an AOC poses a threat to human health, welfare, or the environment, the Army can perform a removal action to eliminate the threat or conduct a CERCLA RI. The determination of whether a threat exists at an AOC will be based on comparison with State and Federal standards, guidelines, and criteria that are available. Exceedances of an appropriate standard, guideline, or criteria will be sued as the indication that a threat may exist. Parsons ES suggested that in addition to a comparison to standards, guidelines, or criteria, that a mini risk assessment could be performed to determine whether a risk actually does exist. The protocols that the army is likely to present to the regulating bodies for such determinations are those in ASTM ES 38-94, the emergency standard guide for Risk-Based Corrective Action (RBCA) Applied at Petroleum Release Sites. The RBCA process is a streamlined decision process that focuses on reducing the risk of adverse human or environmental impacts to appropriate levels and focuses on collecting only that information that is necessary to making risk-based corrective action decisions. RBCA is intended to be consistent with USEPA guidance for risk assessments.

Comment #87 SEAD-62, Page 7-2: Groundwater at the two downgradient monitoring wells detected benzene at a concentration of 2ug/l which is almost three times the GA standard, and benzene is a known carcinogen. A proposal should be made to investigate the source of the benzene.

Response #87 Agreed. The results of the ESI at SEAD-62 will be given additional consideration when the mini-risk assessment scope of work is defined. It should be noted that the benzene concentrations in the two wells were estimated to be 2 ug/L. These levels are low and are below the NYSDEC CLP method detection limit of 10 ug/L. These levels are also below the federal MCL of 5 ug/L. Since no volatile organic compounds were detected in the soil samples collected at this site and the reported levels were below the federal

MCL, these two reported values were not considered to be significant enough to warrant the recommendation that a comprehensive RI be initiated at this site. Also, pure benzene is not often found in environmental sampling, it is often found along with ethylbenzene, toluene, and xylenes (i.e. a release of BTEX compounds). Since none of these three associated compounds were detected, and because benzene is known to be the first of the BTEX compounds to dissipate in the environment (leaving higher concentrations of ethylbenzene, toluene, and xylene for longer periods), the significance of the reported concentrations of benzene was further diminished.

Comment #88 SEAD-67, Page 7-6, Section 7.9, p5: A more detailed explanation and rationale should be provided for the recommended limited sampling program and removal action. Clarification should be provided as to whether the recommendation is for soil only or for soil and sediment. It may also be premature to write a decision document since elevated levels of Endosulfan, which was detected at a concentration 66 times the TAGM value, was reported in a sediment sample from this SEAD.

Response #88 Agreed. The text has been revised to indicate that a removal action followed by a limited sampling program is recommended for the piles at SEAD-67 and that a limited sediment sampling program is recommended for the areas that are in and around SEAD-67. This latter recommendation is made because the data collected during the ESI indicate that the pesticides in the sediments may not originate from the piles at SEAD-67. Two of the three pesticides that were detected were found only at the more downgradient sample location.

Comment #89 SEAD-70, Page 7-7, p3: Additional sampling should be conducted to determine the source of the elevated PAHs and arsenic in the soils and sediments at this site, it seems premature at the time to write a mini-risk assessment.

Response #89 Agreed. The source/receptor discussions for this site indicate that a threat may exist to current workers, terrestrial biota, and future residents. These discussions also indicate that the majority of the constituents detected at SEAD-70 were detected at levels which did not significantly exceed criteria values. The few constituents that were detected at significant levels (arsenic in one soil sample and benzo(a)anthracene and chrysene in one sediment sample) will be examined during the preparation of the mini-risk assessment scope of work to identify the numbers and locations of additional samples that may be required to complete the mini-risk assessment.

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COMMENTS FOR
NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

Comment #1 General.

Monitoring wells at several AOCs were not sampled on the same date. All wells for a particular AOC should have been sampled at the same time. At SEAD-60, wells were sampled roughly three months apart; at SEAD-64A, two weeks apart; SEAD-64C, eleven days apart; SEAD-64D, ten days apart; and at SEAD-71, three months apart. Periods up to two weeks apart are pushing the limits of usable data, especially if a significant rain event occurs in that time. Sampling wells three months apart offers no comparability of samples and does not provide an accurate "snap shot" of the area's groundwater quality.

Response #1 Agreed. The monitoring wells at the four sites were sampled in March and July. This was done in order to accommodate the EPA contractor (TRC) whose contract was ending in April 1994. As a result, these wells were installed and sampled before all the monitoring wells were installed at all sites.

Comment #2 1.1 Site Background.

The SWMU Classification Report has identified 48 areas of concern and 24 no action SWMUs. Please correct the first paragraph on page 1-6.

Response #2 Agreed. The number of No Action SWMUs and AOCs has been corrected.

Comment #3 3.3.2.4 Test Pitting Program (SEAD-63).

This section describes the discovery of two buried fifty-five gallon drums. The text does not specify whether these drums were empty. If the drums contained materials, were they sampled and if so, what were the results?

Response #3 Agreed. According to field notes, one drum was opened and was found to be full of a variety of classified electronics components. There was no matrix within the drum to sample. This information has been included in Section 3.3.2.4 of this report.

Comment #4 Figure 3.9.3 - SEAD-70 Groundwater Elevation Map.

It appears from this map that monitoring well MW70-1 is in a sidegradient location and not an upgradient location (background) with respect to the landfill. According to Table 4.9-1 "Soil Analysis Results" 2 out of 5 of the semi-volatile organic compounds were detected in soil boring from this location. It therefore appears that this monitoring well is within the landfill.

Response #4 Disagree. The topographic expression of the northern and eastern boundaries of the landfill is very well defined. Also, the soil boring log from MW70-1 shows that only clay, silt and sand till were observed in the split spoon cores.

Comment #5 4.0 Nature and Extent of Contamination, first paragraph.

The basis for stating that federal criteria are more stringent than state criteria should be stated. We believe that many state standards are more stringent than federal criteria and therefore should be used.

Response #5 Agreed. The last sentence of that first paragraph was eliminated and replaced with one which reads, "Only those state standards which are more stringent than federal requirements were used as criteria."

Comment #6 4.3.4.4 Metals (SEAD-63).

It is stated that nine metals were found at concentrations above their associated criteria values; however, Table 4.3-5 shows that the samples are not above Class D surface water standards except for iron. A correction is needed.

Response #6 Agreed. The text has been changed and the inaccuracy clarified.

Comment #7 4.9.2.4 Metals.

The text states that mercury was found at a concentration of 88.5 mg/kg in surface soil sample SB70-2.01. Table 4.9-1 "Soil Analysis Results" indicates that arsenic was detected at 88.5 mg/kg while mercury was detected at 0.1 mg/kg in this sample. Clarification and correction is needed.

Response #7 Agreed. Upon review, mercury was discussed where mistakenly arsenic was intended. Paragraph two of Section 4.9.2.4 has been corrected.

Comment #8 Figure 5.4-1 Exposure Pathway Summary for SEAD-63.

This pathway figure has to show aquatic biota as a potential receptor to be consistent with the text on page 5-14 which states that potential groundwater contribution to Reeder Creek during periods high groundwater could result in exposures for surface water and sediment.

Response #8 Agreed. The figure has been revised.

Comment #9 7.2 SEAD-60 Oil Discharge Adjacent to Building 609.

1. Please correct TPH concentrations; it should be mg/kg instead of μg/kg.

2. Although, the NYSDEC is not opposed to performing remedial investigation and feasibility study at this site, a more economical and direct approach of a removal action with confirmatory sampling is recommended. The ESI results indicate that contamination is primarily confined to surface soils and therefore a removal of contaminated soil should address the problem. In addition, a second round of groundwater sampling should be undertaken and if the upgradient well still shows unexplained TPH contamination, an effort should be made to locate the source of contamination.

Response #9 1. Agreed. The corrections have been made.

2. Agreed. The point made by NYSDEC is well taken, and we will take the comment under advisement. Currently, we have been tasked by the Army to complete a RI/FS Project Scoping Plan for SEAD-60. The decision to conduct the RI/FS may be modified by the Army. This more cost effective proposal for SEAD-60 should be discussed at the next project managers' meeting for SEDA.

Comment #10 7.3 SEAD-62 Nicotine Sulfate Disposal Area near Buildings 606 and 612.

Due to the unexpected presence of benzene in both the downgradient wells above the New York State Groundwater standard, we do no concur with the Army's recommendation for a mini risk assessment at this time. We recommend re-sampling these two wells to confirm the presence of benzene.

Response #10 Acknowledged. The results of the ESI at SEAD-62 will be given additional consideration when the mini-risk assessment scope of work is defined. The performance of a mini risk assessment does not preclude the collection of additional samples that may be required to address specific data gaps. It should be noted that the benzene concentrations in the two wells were estimated to be 2 ug/L. Since no volatile organic compounds were detected in the soil samples collected at this site, these two reported values were not considered to be significant enough to warrant the recommendation that a comprehensive RI/FS be initiated at this site. Since the data from the ESI indicate that no areas of SEAD-62 have been significantly impacted by a release of hazardous materials, a mini risk assessment is believed to be the appropriate recommendation in lieu of a full RI/FS. Also, pure benzene is not often found in environmental sampling, it is often found along with ethylbenzene, toluene, and xylenes (i.e., a release of BTEX compounds). Since none of these three associated compounds were detected, and because benzene is known to be the first of the BTEX compounds to dissipate in the environment (leaving higher concentration of ethylbenzene, toluene, and xylene for longer periods), the significance of the reported concentrations of benzene was further diminished.

Comment #11 7.10 SEAD-70 Filled Area at Building 2110.

Due to the presence of arsenic (88.5 mg/kg) in surface soil, we recommend a removal action followed by a mini risk assessment and completion report for this site.

Response #11 Agreed. NYSDEC's recommendation has been included as a second alternative to the recommendation proposed by Parsons ES. The action or actions that will be taken at this site will be determined by the army. Those actions will be based upon several influencing factors, including available funding for any proposed action(s) and the priority the army has placed on completing the CERCLA process at SEAD-70.

Comment #12 SEAD-63 Miscellaneous Components Burial Site: Comments and Recommendations:

Comment #1 - Concentrations Reported

Only the uranium chain (from Ra226 and Pb210) has been observed in concentrations above background levels. It is interesting to note that Pb214 and Bi214 were not listed. Both have short half lives, so it should follow that both would be found in concentrations similar to the parent--Ra226, particularly since they are easier to see in a gamma spectrum than is Ra226. Also, separation of Ra226 and U235 in the gamma spectrum is

reported for radium-226. None of the uranium-235 decay products were detected, and therefore, the gamma energies at 0.186 MeV were interpreted as radium-226 radiations and not the 0.1857 MeV uranium-235 radiations.

Comment #1, second paragraph. Agreed. The RI/FS currently being prepared for this site will include investigations to better characterize the type and distribution of the radionuclides in the media at this site. Please note that the highest reported value at SEAD-63 was 2.7 pCi/g, and not 24 pCi/g as stated in the comment.

Comment #2. Agreed. The RI/FS being planned for this site will include test pit excavations that will allow the identification of the physical form of any source material, the spatial distribution of those materials, and the total activity of the radionuclides that are detected in the site's media. Please note that the data collected at SEAD-63 during the ESI tend to indicate that only inert wastes were disposed of at this site. The radionuclide concentrations found at this site are very likely to be similar to background levels. Comparisons of site data to a statistically representative background level will be performed as part of the planned RI.

Comment #3. Disagree. As stated in the previous response, the work to date tends to indicate that only inert materials have been disposed at this site. It has not been established that radioactive materials were disposed of in this area. Nonetheless, the RI being planned for this site will include radiochemical analyses and a radiation risk assessment. Also, when a radiological analysis laboratory is chosen to perform the radiological analysis for the RI, that laboratory's protocols will be submitted to the DEC for their review.