TABLES

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	MassDEP Published Background		Reportable Concentrations (RCs)		MCP - Method 1 Cleanup Standards									Upper Concentration Limit
	Natural Soils	Soils assoc. Fill	RCS-1	RCS-2	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3	UCL
Sampling Date														
Sample Depth During Investigative Event														
Sample Depth Relative to October 1, 2016														
NOTES:														
MADEP-EPH-04-1.1 (mg/Kg dry)														
C9-C18 ALIPHATICS			1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	20000
C19-C36 ALIPHATICS			3000	5000	3000	3000	3000	5000	5000	5000	5000	5000	5000	20000
UNADJUSTED C11-C22 AROMATICS			~	~	~	~	~	~	~	~	~	~	~	~
C11-C22 AROMATICS			1000	3000	1000	1000	1000	1000	3000	3000	1000	5000	5000	10000
ACENAPHTHENE	0.5	2	4	3000	4	1000	1000	4	3000	3000	4	5000	5000	10000
ACENAPHTHYLENE	0.5	1	1	10	1	600	10	1	600	10	1	600	10	10000
ANTHRACENE	1	4	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
BENZO(A)ANTHRACENE	2	9	7	40	7	7	7	40	40	40	300	300	300	3000
BENZO(A)PYRENE	2	7	2	7	2	2	2	7	7	7	30	30	30	300
BENZO(B)FLUORANTHENE	2	8	7	40	7	7	7	40	40	40	300	300	300	3000
BENZO(G,H,I)PERYLENE	1	3	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
BENZO(K)FLUORANTHENE	1	4	70	400	70	70	70	400	400	400	3000	3000	3000	10000
CHRYSENE	2	7	70	400	70	70	70	400	400	400	3000	3000	3000	10000
DIBENZ(A,H)ANTHRACENE	0.5	1	0.7	4	0.7	0.7	0.7	4	4	4	30	30	30	300
FLUORANTHENE	4	10	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
FLUORENE	1	2	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
INDENO(1,2,3-CD)PYRENE	1	3	7	40	7	7	7	40	40	40	300	300	300	3000
2-METHYLNAPHTHALENE	0.5	1	0.7	80	0.7	80	300	1	80	500	1	80	500	5000
NAPHTHALENE	0.5	1	4	20	4	20	500	4	20	1000	4	20	3000	10000
PHENANTHRENE	3	20	10	1000	10	500	500	20	1000	1000	20	3000	3000	10000
PYRENE	4	20	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
BIS(2-ETHYLHEXYL)PHTHALATE (see note 7)			90	600	90	90	90	600	600	600	2000	2000	2000	10000
DIBENZOFURAN (see notes 7, 9)			100	1000	~	~	~	~	~	~	~	~	~	~
DI-N-BUTYLPHTHALATE (see note 7)			50	500	~	~	~	~	~	~	~	~	~	~
MADEP-VPH-04-1.1 (mg/Kg dry)														
UNADJUSTED C5-C8 ALIPHATICS			~	~	~	~	~	~	~	~	~	~	~	~
C5-C8 ALIPHATICS			100	500	100	100	100	500	500	500	500	500	500	5000
UNADJUSTED C9-C12 ALIPHATICS			~	~	~	~	~	~	~	~	~	~	~	~
C9-C12 ALIPHATICS			1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	20000
C9-C10 AROMATICS			100	500	100	100	100	300	500	500	300	500	500	5000
BENZENE			2	200	2	40	40	2	200	200	2	400	1000	10000
ETHYLBENZENE			40	1000	40	500	500	40	1000	1000	40	1000	3000	10000
METHYL TERT-BUTYL ETHER (MTBE)			0.1	100	0.1	100	100	0.1	100	500	0.1	100	500	5000
NAPHTHALENE	0.5	1	4	20	4	20	500	4	20	1000	4	20	3000	10000
TOLUENE			30	1000	30	500	500	30	1000	1000	30	2000	3000	10000
M/P-XYLENE			100	100	400	100	500	400	100	1000	400	100	3000	10000
O-XYLENE			100	100	400	100	500	400	100	1000	400	100	3000	10000

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Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	MassDEP Published Background		Reportable Concentrations (RCs)		MCP - Method 1 Cleanup Standards									Upper Concentration Limit
	Natural Soils	Soils assoc. Fill	RCS-1	RCS-2	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3	UCL
SM 2540G (% Wt)														
% Solids			~	~	~	~	~	~	~	~	~	~	~	~
SW-846 6010C/D (mg/Kg dry) Metals Digestion														
ANTIMONY	1	7	20	30	20	20	20	30	30	30	30	30	30	300
ARSENIC	20	20	20	20	20	20	20	20	20	20	50	50	50	500
BARIUM	50	50	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
BERYLLIUM	0.4	0.9	90	200	90	90	90	200	200	200	200	200	200	2000
CADMIUM	2	3	70	100	70	70	70	100	100	100	100	100	10	1000
CHROMIUM (as +3)	30	40	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
LEAD	100	600	200	600	200	200	200	600	600	600	600	600	600	6000
NICKEL	20	30	600	1000	600	600	600	1000	1000	1000	1000	1000	1000	10000
SELENIUM	0.5	1	400	700	400	400	400	700	700	700	700	700	700	7000
SILVER	0.6	5	100	200	100	100	100	200	200	200	200	200	200	2000
THALLIUM	0.6	5	8	60	8	8	8	60	60	60	80	80	80	800
VANADIUM	30	30	400	700	400	400	400	700	700	700	700	700	700	7000
ZINC	100	300	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
SW-846 7471B (mg/Kg dry) Metals Digestion														
MERCURY	0.3	1	20	30	20	20	20	30	30	30	30	30	30	300
SW-846 7196A (mg/Kg dry)														
CHROMIUM +6	30	40	100	200	100	100	100	200	200	200	200	200	200	2000
SM2580 A (mV)														
OXIDATION/REDUCTION POTENTIAL			~	~	~	~	~	~	~	~	~	~	~	~
SW-846 9045C (pH Units)														
PH			~	~	~	~	~	~	~	~	~	~	~	~
SW-846 6010C-D (mg/L) 1311 TCLP EXT														
CADMIUM			~	~	~	~	~	~	~	~	~	~	~	~
LEAD			~	~	~	~	~	~	~	~	~	~	~	~
SW-846 8082A (mg/Kg dry)														
PCB 1016			1	4	1	1	1	4	4	4	4	4	4	100
PCB 1221			1	4	1	1	1	4	4	4	4	4	4	100
PCB 1232			1	4	1	1	1	4	4	4	4	4	4	100
PCB 1242			1	4	1	1	1	4	4	4	4	4	4	100
PCB 1248			1	4	1	1	1	4	4	4	4	4	4	100
PCB 1254			1	4	1	1	1	4	4	4	4	4	4	100
PCB 1260			1	4	1	1	1	4	4	4	4	4	4	100
PCB 1262			1	4	1	1	1	4	4	4	4	4	4	100
PCB 1268			1	4	1	1	1	4	4	4	4	4	4	100
TOTAL PCBs			1	4	1	1	1	4	4	4	4	4	4	100

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Parameter	MassDEP Published Background		Reportable Concentrations (RCs)		MCP - Method 1 Cleanup Standards									Upper Concentration Limit
	Natural Soils	Soils assoc. Fill	RCS-1	RCS-2	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3	UCL
SW-846 8081B (mg/Kg dry)														
ALDRIN			0.08	0.5	0.08	0.08	0.08	0.5	0.5	0.5	3	3	3	30
ALPHA-BHC			50	500	~	~	~	~	~	~	~	~	~	~
BETA-BHC			10	100	~	~	~	~	~	~	~	~	~	~
DELTA-BHC			10	100	~	~	~	~	~	~	~	~	~	~
GAMMA-BHC (LINDANE)			0.003	0.5	0.003	0.1	0.5	0.003	2	0.5	0.003	2	0.5	600
CHLORDANE			5	30	5	5	5	30	30	30	60	60	60	600
4,4'-DDD			8	40	8	8	8	40	40	40	60	60	60	600
4,4'-DDE			6	30	6	6	6	30	30	30	60	60	60	600
4,4'-DDT			6	30	6	6	6	30	30	30	60	60	60	600
DIELDRIN			0.08	0.5	0.08	0.08	0.08	0.5	0.5	0.5	3	3	3	30
ENDOSULFAN I			0.5	1	0.5	300	1	0.5	500	1	0.5	500	1	5000
ENDOSULFAN II			0.5	1	0.5	300	1	0.5	500	1	0.5	500	1	5000
ENDOSULFAN SULFATE			~	~	~	~	~	~	~	~	~	~	~	~
ENDRIN			10	20	10	10	10	20	20	20	20	20	20	200
ENDRIN KETONE			~	~	~	~	~	~	~	~	~	~	~	~
HEPTACHLOR			0.3	2	0.3	0.3	0.3	2	2	2	10	10	10	100
HEPTACHLOR EPOXIDE			0.1	0.9	0.1	0.1	0.1	0.9	0.9	0.9	1	1	1	10
HEXACHLOROBENZENE			0.7	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	8
METHOXYCHLOR			200	400	200	200	200	400	400	400	400	400	400	4000
SW-846 8081B (µg/L) 1311 TCLP EXT														
HEPTACHLOR			~	~	~	~	~	~	~	~	~	~	~	~
SW-846 8151A (mg/kg dry)														
2,4-D			100	1000	~	~	~	~	~	~	~	~	~	~
2,4-DB			100	1000	~	~	~	~	~	~	~	~	~	~
2,4,5-TP (SILVEX)			100	1000	~	~	~	~	~	~	~	~	~	~
2,4,5-T			100	1000	~	~	~	~	~	~	~	~	~	~
DALAPON			~	~	~	~	~	~	~	~	~	~	~	~
DICAMBA			500	5000	~	~	~	~	~	~	~	~	~	~
DICHLOROPROP			~	~	~	~	~	~	~	~	~	~	~	~
DINOSEB			500	5000	~	~	~	~	~	~	~	~	~	~
MCPA			100	1000	~	~	~	~	~	~	~	~	~	~
MCPP			~	~	~	~	~	~	~	~	~	~	~	~

NOTES:

1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regul. criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards (exclusive of S-x/GW-1).
6. Italic values exceed MassDEP published background conc. for soils assoc. with fill containing coal ash or wood ash.
7. SP-1 is a sample from stockpile of surficial soil samples. It was analyzed for VOCs via USEPA Method 8260C. None were detected. It was also analyzed for SVOCs via USEPA Method 8270. PAHs, 2 phthalates and dibenzofuran were detected. These data are summarized with the EPH/PAH data. Analysis for TPH via USEPA Method 8100M was also conducted. TPH was detected at 3800 mg/kg.
Soils from B-11 were added to SP-1 and these soils were shipped off-Site to a hazardous waste facility approved to accept PCBs containing >50 mg/kg PCBs.
8. FO-1, FO-1 (3') and FO-1-BTM are samples inside and beneath vault. They were analyzed for VOCs via USEPA Method 8260C and SVOCs via USEPA Method 8270. No VOCs or SVOCs were detected except for SVOCs in FO-1. Analysis for TPH via USEPA Method 8100M was also conducted. No TPH was detected in FO-1 (3'), 31 mg/kg TPH was detected in FO-1-BTM, and 33,000 mg/kg TPH in FO-1.

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Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS														
	B-1 (15'-20')	**B-3 (15'-20')**	**B-3 (15'-20') (25-28'')**	**B-4 (15'-20')**	**B-4 (15'-20') (21-24'')**	**B-5 (0-1')**	**B-5 (1-3')**	**B-5 (0-3')**	**B-5 (3-6')**	**B-5 (6-11')**	**B-7 (0-1')**	**B-7 (1-3')**	**B-7 (0-3')**	**B-7 (3-6')**	**B-7 (6-11')**
Sampling Date	8/14/2015	8/14/2015	8/14/2015	8/14/2015	8/14/2015	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016
Sample Depth During Investigative Event	15-20 Feet	15-20 Feet	15-20 Feet	15-20 Feet	15-20 Feet	0-1 Feet	1-3 Feet	0-3 Feet	3-6 Feet	6-11 Feet	0-1 Feet	1-3 Feet	0-3 Feet	3-6 Feet	6-11 Feet
Sample Depth Relative to October 1, 2016	12-17 Feet	14-19 Feet	14-19 Feet	12-17 Feet	12-17 Feet	Excavated and Stockpiled	Excavated and Stockpiled	Excavated and Stockpiled	0-3 Feet	3-8 Feet	Excavated and Stockpiled	Excavated and Stockpiled	Excavated and Stockpiled	0-3 Feet	3-8 Feet
NOTES:			13		13	11	11	11			11	11	10, 11		
MADEP-EPH-04-1.1 (mg/Kg dry)															
C9-C18 ALIPHATICS	810	48	NT	570	NT	NT	NT	24	26	300	NT	NT	61	ND (11)	ND (22)
C19-C36 ALIPHATICS	1700	77	NT	1200	NT	NT	NT	160	64	750	NT	NT	140	28	48
UNADJUSTED C11-C22 AROMATICS	3400	220	NT	3700	NT	NT	NT	420	280	1400	NT	NT	240	120	96
C11-C22 AROMATICS	**3400**	200	NT	**3600**	NT	NT	NT	310	220	**1400**	NT	NT	180	83	83
ACENAPHTHENE	ND (0.22)	0.22	NT	ND (0.22)	NT	NT	NT	1.4	0.76	ND (0.49)	NT	NT	*2.6*	0.54	ND (0.22)
ACENAPHTHYLENE	ND (0.22)	ND (0.11)	NT	ND (0.22)	NT	NT	NT	0.37	0.11	ND (0.49)	NT	NT	0.38	ND (0.11)	ND (0.22)
ANTHRACENE	1.9	0.65	NT	5.4	NT	NT	NT	3.4	1.8	ND (0.49)	NT	NT	*5.4*	1.4	0.29
BENZO(A)ANTHRACENE	3.0	1.1	NT	**7.4**	NT	NT	NT	**7.4**	4.1	ND (0.49)	NT	NT	***11***	2.9	1.2
BENZO(A)PYRENE	ND (0.22)	0.88	NT	**5.5**	NT	NT	NT	**6.5**	**3.7**	ND (0.49)	NT	NT	***9.3***	**2.4**	1.1
BENZO(B)FLUORANTHENE	ND (0.22)	1.2	NT	**7.1**	NT	NT	NT	***9.1***	5.3	ND (0.49)	NT	NT	***12***	3.3	1.3
BENZO(G,H,I)PERYLENE	ND (0.22)	0.58	NT	1.5	NT	NT	NT	*3.4*	1.7	ND (0.49)	NT	NT	*5.0*	1.2	0.66
BENZO(K)FLUORANTHENE	ND (0.22)	0.43	NT	2.5	NT	NT	NT	3.0	2.0	ND (0.49)	NT	NT	*4.6*	1.2	0.52
CHRYSENE	3.8	1.2	NT	*7.8*	NT	NT	NT	*8.5*	5.0	ND (0.49)	NT	NT	*12*	3.2	1.3
DIBENZ(A,H)ANTHRACENE	ND (0.22)	ND (0.11)	NT	ND (0.22)	NT	NT	NT	***1.1***	0.65	ND (0.49)	NT	NT	***1.7***	0.41	ND (0.22)
FLUORANTHENE	3.5	2.3	NT	*15*	NT	NT	NT	*18*	9.5	1.2	NT	NT	*26*	6.6	2.3
FLUORENE	*3.5*	0.44	NT	*6.9*	NT	NT	NT	1.9	0.90	ND (0.49)	NT	NT	*3.4*	0.78	ND (0.22)
INDENO(1,2,3-CD)PYRENE	ND (0.22)	0.51	NT	2.6	NT	NT	NT	*4.1*	2.1	ND (0.49)	NT	NT	*5.1*	1.3	0.56
2-METHYLNAPHTHALENE	0.49	ND (0.11)	NT	***3.1***	NT	NT	NT	0.67	0.29	0.70	NT	NT	0.96	0.22	ND (0.22)
NAPHTHALENE	*1.3*	0.12	NT	*2.1*	NT	NT	NT	*1.7*	0.44	0.79	NT	NT	*1.5*	0.32	ND (0.22)
PHENANTHRENE	5.3	1.9	NT	***21***	NT	NT	NT	15	7.4	1.6	NT	NT	*23*	6.1	1.2
PYRENE	2.6	2.3	NT	13	NT	NT	NT	17	8.8	ND (0.49)	NT	NT	*22*	5.9	2.4
BIS(2-ETHYLHEXYL)PHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DIBENZOFURAN (see notes 7, 9)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DI-N-BUTYLPHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MADEP-VPH-04-1.1 (mg/Kg dry)															
UNADJUSTED C5-C8 ALIPHATICS	ND (29)	ND (12)	NT	ND (44)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C5-C8 ALIPHATICS	ND (29)	ND (12)	NT	ND (44)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
UNADJUSTED C9-C12 ALIPHATICS	88	53	NT	100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C12 ALIPHATICS	ND (29)	ND (12)	NT	ND (44)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C10 AROMATICS	84	51	NT	100	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BENZENE	0.26	ND (0.062)	NT	0.52	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ETHYLBENZENE	ND (0.14)	ND (0.062)	NT	ND (0.22)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METHYL TERT-BUTYL ETHER (MTBE)	ND (0.14)	ND (0.062)	NT	ND (0.22)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NAPHTHALENE	ND (0.72)	ND (0.31)	NT	ND (1.1)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TOLUENE	ND (0.14)	ND (0.062)	NT	0.32	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
M/P-XYLENE	ND (0.29)	ND (0.12)	NT	ND (0.44)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
O-XYLENE	ND (0.14)	ND (0.062)	NT	ND (0.22)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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Parameter	SAMPLING LOCATIONS														
	B-1 (15'-20')	B-3 (15'-20')	B-3 (15'-20') (25-28'')	B-4 (15'-20')	B-4 (15'-20') (21-24'')	B-5 (0-1')	B-5 (1-3')	B-5 (0-3')	B-5 (3-6')	B-5 (6-11')	B-7 (0-1')	B-7 (1-3')	B-7 (0-3')	B-7 (3-6')	B-7 (6-11')
SM 2540G (% Wt)															
% Solids	88.9	87.2	89.6	91.0	86.1	88.6	66.6	85.3	87.1	80.4	87.4	86.7	85.2	90.3	89
SW-846 6010C/D (mg/Kg dry) Metals Digestion															
ANTIMONY	NT	NT	NT	NT	NT	NT	NT	ND (2.7)	NT	NT	NT	NT	ND (2.8)	NT	NT
ARSENIC	NT	NT	NT	NT	NT	NT	NT	11	NT	NT	NT	NT	13	NT	NT
BARIUM	NT	NT	NT	NT	NT	NT	NT	*120*	NT	NT	NT	NT	*91*	NT	NT
BERYLLIUM	NT	NT	NT	NT	NT	NT	NT	*1.4*	NT	NT	NT	NT	*1.3*	NT	NT
CADMIUM	NT	NT	NT	NT	NT	NT	NT	0.89	NT	NT	NT	NT	1.2	NT	NT
CHROMIUM (as +3)	NT	NT	NT	NT	NT	NT	NT	34	NT	NT	NT	NT	*50*	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	100	NT	NT	NT	NT	150	NT	NT
NICKEL	NT	NT	NT	NT	NT	NT	NT	29	NT	NT	NT	NT	26	NT	NT
SELENIUM	NT	NT	NT	NT	NT	NT	NT	ND (5.4)	NT	NT	NT	NT	ND (5.7)	NT	NT
SILVER	NT	NT	NT	NT	NT	NT	NT	ND (0.54)	NT	NT	NT	NT	ND (0.57)	NT	NT
THALLIUM	NT	NT	NT	NT	NT	NT	NT	ND (2.7)	NT	NT	NT	NT	ND (2.8)	NT	NT
VANADIUM	NT	NT	NT	NT	NT	NT	NT	*110*	*55*	30	NT	NT	*66*	*31*	14
ZINC	NT	NT	NT	NT	NT	NT	NT	200	NT	NT	NT	NT	260	NT	NT
SW-846 7471B (mg/Kg dry) Metals Digestion															
MERCURY	NT	NT	NT	NT	NT	NT	NT	0.16	NT	NT	NT	NT	0.38	NT	NT
SW-846 7196A (mg/Kg dry)															
CHROMIUM +6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SM2580 A (mV)															
OXIDATION/REDUCTION POTENTIAL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 9045C (pH Units)															
PH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 6010C-D (mg/L) 1311 TCLP EXT															
CADMIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	0.050	NT	NT	NT	NT	0.027	NT	NT
SW-846 8082A (mg/Kg dry)															
PCB 1016	NT	NT	NT	NT	NT	ND (1.1) *	ND (0.56)	NT	ND (0.57)	ND (0.12)	ND (1.1) *	ND (1.1) *	NT	ND (0.55)	ND (0.11)
PCB 1221	NT	NT	NT	NT	NT	ND (1.1) *	ND (0.56)	NT	ND (0.57)	ND (0.12)	ND (1.1) *	ND (1.1) *	NT	ND (0.55)	ND (0.11)
PCB 1232	NT	NT	NT	NT	NT	ND (1.1) *	ND (0.56)	NT	ND (0.57)	ND (0.12)	ND (1.1) *	ND (1.1) *	NT	ND (0.55)	ND (0.11)
PCB 1242	NT	NT	NT	NT	NT	ND (1.1) *	ND (0.56)	NT	ND (0.57)	ND (0.12)	ND (1.1) *	ND (1.1) *	NT	ND (0.55)	ND (0.11)
PCB 1248	NT	NT	NT	NT	NT	ND (1.1) *	ND (0.56)	NT	ND (0.57)	ND (0.12)	ND (1.1) *	ND (1.1) *	NT	ND (0.55)	ND (0.11)
PCB 1254	NT	NT	NT	NT	NT	**7.0**	**3.7**	NT	**3.8**	0.29	**8.5**	**6.0**	NT	**2.2**	ND (0.11)
PCB 1260	NT	NT	NT	NT	NT	ND (1.1) *	ND (0.56)	NT	ND (0.57)	ND (0.12)	ND (1.1) *	ND (1.1) *	NT	ND (0.55)	ND (0.11)
PCB 1262	NT	NT	NT	NT	NT	ND (1.1) *	ND (0.56)	NT	ND (0.57)	ND (0.12)	ND (1.1) *	ND (1.1) *	NT	ND (0.55)	ND (0.11)
PCB 1268	NT	NT	NT	NT	NT	ND (1.1) *	ND (0.56)	NT	ND (0.57)	ND (0.12)	ND (1.1) *	ND (1.1) *	NT	ND (0.55)	ND (0.11)
TOTAL PCBs	NT	NT	NT	NT	NT	**7.0**	**3.7**	NT	**3.8**	0.29	**8.5**	**6.0**	NT	**2.2**	ND (0.11)

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS														
	B-1 (15'-20')	B-3 (15'-20')	B-3 (15'-20') (25-28'')	B-4 (15'-20')	B-4 (15'-20') (21-24'')	B-5 (0-1')	B-5 (1-3')	B-5 (0-3')	B-5 (3-6')	B-5 (6-11')	B-7 (0-1')	B-7 (1-3')	B-7 (0-3')	B-7 (3-6')	B-7 (6-11')
SW-846 8081B (mg/Kg dry)															
ALDRIN	NT	NT	NT	NT	NT	NT	NT	ND (0.12) *	NT	NT	NT	NT	ND (0.12) *	NT	NT
ALPHA-BHC	NT	NT	NT	NT	NT	NT	NT	ND (0.12)	NT	NT	NT	NT	ND (0.12)	NT	NT
BETA-BHC	NT	NT	NT	NT	NT	NT	NT	ND (0.12)	NT	NT	NT	NT	ND (0.12)	NT	NT
DELTA-BHC	NT	NT	NT	NT	NT	NT	NT	ND (0.12)	NT	NT	NT	NT	ND (0.12)	NT	NT
GAMMA-BHC (LINDANE)	NT	NT	NT	NT	NT	NT	NT	ND (0.047) *	NT	NT	NT	NT	ND (0.047) *	NT	NT
CHLORDANE	NT	NT	NT	NT	NT	NT	NT	ND (0.47)	NT	NT	NT	NT	ND (0.47)	NT	NT
4,4'-DDD	NT	NT	NT	NT	NT	NT	NT	ND (0.094)	NT	NT	NT	NT	ND (0.094)	NT	NT
4,4'-DDE	NT	NT	NT	NT	NT	NT	NT	ND (0.094)	NT	NT	NT	NT	ND (0.094)	NT	NT
4,4'-DDT	NT	NT	NT	NT	NT	NT	NT	ND (0.094)	NT	NT	NT	NT	0.11	NT	NT
DIELDRIN	NT	NT	NT	NT	NT	NT	NT	ND (0.094) *	NT	NT	NT	NT	ND (0.094) *	NT	NT
ENDOSULFAN I	NT	NT	NT	NT	NT	NT	NT	ND (0.12)	NT	NT	NT	NT	ND (0.12)	NT	NT
ENDOSULFAN II	NT	NT	NT	NT	NT	NT	NT	ND (0.19)	NT	NT	NT	NT	ND (0.19)	NT	NT
ENDOSULFAN SULFATE	NT	NT	NT	NT	NT	NT	NT	ND (0.19)	NT	NT	NT	NT	ND (0.19)	NT	NT
ENDRIN	NT	NT	NT	NT	NT	NT	NT	ND (0.19)	NT	NT	NT	NT	ND (0.19)	NT	NT
ENDRIN KETONE	NT	NT	NT	NT	NT	NT	NT	ND (0.19)	NT	NT	NT	NT	ND (0.19)	NT	NT
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	ND (0.12)	NT	NT	NT	NT	ND (0.12)	NT	NT
HEPTACHLOR EPOXIDE	NT	NT	NT	NT	NT	NT	NT	ND (0.12) *	NT	NT	NT	NT	ND (0.12) *	NT	NT
HEXACHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	ND (0.14)	NT	NT	NT	NT	ND (0.14)	NT	NT
METHOXYCHLOR	NT	NT	NT	NT	NT	NT	NT	ND (1.2)	NT	NT	NT	NT	ND (1.2)	NT	NT
SW-846 8081B (µg/L) 1311 TCLP EXT															
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8151A (mg/kg dry)															
2,4-D	NT	NT	NT	NT	NT	NT	NT	ND (0.029)	NT	NT	NT	NT	ND (0.029)	NT	NT
2,4-DB	NT	NT	NT	NT	NT	NT	NT	ND (0.029)	NT	NT	NT	NT	ND (0.029)	NT	NT
2,4,5-TP (SILVEX)	NT	NT	NT	NT	NT	NT	NT	ND (0.0029)	NT	NT	NT	NT	ND (0.0029)	NT	NT
2,4,5-T	NT	NT	NT	NT	NT	NT	NT	ND (0.0029)	NT	NT	NT	NT	ND (0.0029)	NT	NT
DALAPON	NT	NT	NT	NT	NT	NT	NT	ND (0.073)	NT	NT	NT	NT	ND (0.073)	NT	NT
DICAMBA	NT	NT	NT	NT	NT	NT	NT	ND (0.0029)	NT	NT	NT	NT	ND (0.0029)	NT	NT
DICHLOROPROP	NT	NT	NT	NT	NT	NT	NT	ND (0.029)	NT	NT	NT	NT	ND (0.029)	NT	NT
DINOSEB	NT	NT	NT	NT	NT	NT	NT	ND (0.015)	NT	NT	NT	NT	ND (0.015)	NT	NT
MCPA	NT	NT	NT	NT	NT	NT	NT	ND (2.9)	NT	NT	NT	NT	ND (2.9)	NT	NT
MCPP	NT	NT	NT	NT	NT	NT	NT	ND (2.9)	NT	NT	NT	NT	ND (2.9)	NT	NT

NOTES:

1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regul. criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards (exclusive of S-x/GW-1).
6. Italic values exceed MassDEP published background conc. for soils assoc. with fill containing coal ash or wood ash.

9. SP-3 was analyzed for VPH via MADEP's Method and for VOCs via USEPA Method 8260C. No VPH or VOCs were detected. It was also analyzed for SVOCs via USEPA Method 8270. Only PAHs and dibenzofuran were detected and they are reported with the EPH data.

10. B-7 (03') and B-10 (0-3') were analyzed for PAHs via both MassDEP's Method and USEPA Method 8270D. For each PAH, the highest detected value for both methods is provided in this table.

11. Soils were excavated and some were placed in the coal chute, which was modified to be a soil repository. SP-2 stockpile soils were placed in the coal chute first, then the remainder of the coal chute was backfilled with excavated soils from east section of courtyard. Soil soils were also placed in dry wells no. 2 to 4, located between B-11 and the utility void. The remaining soils from the east end excavation were stockpiled in the west end of the courtyard. Approximately 300 to 400 cubic yards of soils are located in the stockpile.

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS															
	B-8 (0-1')	B-8 (1-3')	B-8 (3-6')	B-8 (6-11')	B-9 (0-1')	B-9 (1-3')	B-9 (0-3')	B-9 (3-6')	B-9 (6-9')	B-9 (5'E) (0-1)	B-9 (5'E) (1-3)	B-9 (5'N) (0-1)	B-9 (5'S) (0-1)	B-9 (5'W) (0-1)	B-10 (0-1')	B-10 (1-3')
Sampling Date	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016	3/14/2016	3/14/2016
Sample Depth During Investigative Event	0-1 Feet	1-3 Feet	3-6 Feet	6-11 Feet	0-1 Feet	1-3 Feet	0-3 Feet	3-6 Feet	6-9 Feet	0-1 Feet	1-3 Feet	0-1 Feet	0-1 Feet	0-1 Feet	0-1 Feet	1-3 Feet
Sample Depth Relative to October 1, 2016	Excavated and Stockpiled	0-2 Feet	2-5 Feet	5-10 Feet	0-1 Feet	1-3 Feet	0-3 Feet	3-6 Feet	6-9 Feet	0-1 Feet	1-3 Feet	0-1 Feet	0-1 Feet	0-1 Feet	0-1 Feet	1-3 Feet
NOTES:	11															
MADEP-EPH-04-1.1 (mg/Kg dry)																
C9-C18 ALIPHATICS	NT	NT	NT	NT	NT	NT	ND (12)	ND (11)	NT	NT	NT	NT	NT	NT	NT	NT
C19-C36 ALIPHATICS	NT	NT	NT	NT	NT	NT	ND (12)	ND (11)	NT	NT	NT	NT	NT	NT	NT	NT
UNADJUSTED C11-C22 AROMATICS	NT	NT	NT	NT	NT	NT	39	59	NT	NT	NT	NT	NT	NT	NT	NT
C11-C22 AROMATICS	NT	NT	NT	NT	NT	NT	37	46	NT	NT	NT	NT	NT	NT	NT	NT
ACENAPHTHENE	NT	NT	NT	NT	NT	NT	ND (0.12)	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
ACENAPHTHYLENE	NT	NT	NT	NT	NT	NT	ND (0.12)	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
ANTHRACENE	NT	NT	NT	NT	NT	NT	0.12	0.38	NT	NT	NT	NT	NT	NT	NT	NT
BENZO(A)ANTHRACENE	NT	NT	NT	NT	NT	NT	0.21	1.2	NT	NT	NT	NT	NT	NT	NT	NT
BENZO(A)PYRENE	NT	NT	NT	NT	NT	NT	0.22	1.0	NT	NT	NT	NT	NT	NT	NT	NT
BENZO(B)FLUORANTHENE	NT	NT	NT	NT	NT	NT	0.35	1.3	NT	NT	NT	NT	NT	NT	NT	NT
BENZO(G,H,I)PERYLENE	NT	NT	NT	NT	NT	NT	0.13	0.54	NT	NT	NT	NT	NT	NT	NT	NT
BENZO(K)FLUORANTHENE	NT	NT	NT	NT	NT	NT	ND (0.12)	0.50	NT	NT	NT	NT	NT	NT	NT	NT
CHRYSENE	NT	NT	NT	NT	NT	NT	0.30	1.3	NT	NT	NT	NT	NT	NT	NT	NT
DIBENZ(A,H)ANTHRACENE	NT	NT	NT	NT	NT	NT	ND (0.12)	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
FLUORANTHENE	NT	NT	NT	NT	NT	NT	0.44	2.4	NT	NT	NT	NT	NT	NT	NT	NT
FLUORENE	NT	NT	NT	NT	NT	NT	ND (0.12)	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
INDENO(1,2,3-CD)PYRENE	NT	NT	NT	NT	NT	NT	0.12	0.59	NT	NT	NT	NT	NT	NT	NT	NT
2-METHYLNAPHTHALENE	NT	NT	NT	NT	NT	NT	ND (0.12)	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
NAPHTHALENE	NT	NT	NT	NT	NT	NT	ND (0.12)	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
PHENANTHRENE	NT	NT	NT	NT	NT	NT	0.51	1.4	NT	NT	NT	NT	NT	NT	NT	NT
PYRENE	NT	NT	NT	NT	NT	NT	0.49	2.3	NT	NT	NT	NT	NT	NT	NT	NT
BIS(2-ETHYLHEXYL)PHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DIBENZOFURAN (see notes 7, 9)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DI-N-BUTYLPHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MADEP-VPH-04-1.1 (mg/Kg dry)																
UNADJUSTED C5-C8 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C5-C8 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
UNADJUSTED C9-C12 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C12 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C10 AROMATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ETHYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METHYL TERT-BUTYL ETHER (MTBE)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NAPHTHALENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TOLUENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
M/P-XYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
O-XYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS															
	B-8 (0-1')	B-8 (1-3')	B-8 (3-6')	B-8 (6-11')	B-9 (0-1')	B-9 (1-3')	B-9 (0-3')	B-9 (3-6')	B-9 (6-9')	B-9 (5'E) (0-1)	B-9 (5'E) (1-3)	B-9 (5'N) (0-1)	B-9 (5'S) (0-1)	B-9 (5'W) (0-1)	B-10 (0-1')	B-10 (1-3')
SM 2540G (% Wt)																
% Solids	82.9	93.9	89.2	88.2	84.1	88.5	85.7	87.7	88.8	81.7	86.7	88.9	85.2	63.1	77.7	83.2
SW-846 6010C/D (mg/Kg dry) Metals Digestion																
ANTIMONY	NT	NT	NT	NT	NT	NT	NT	ND (2.7)	NT	NT	NT	NT	NT	NT	NT	NT
ARSENIC	NT	NT	NT	NT	NT	NT	NT	11	NT	NT	NT	NT	NT	NT	NT	NT
BARIUM	NT	NT	NT	NT	NT	NT	NT	30	NT	NT	NT	NT	NT	NT	NT	NT
BERYLLIUM	NT	NT	NT	NT	NT	NT	NT	*6.7*	NT	NT	NT	NT	NT	NT	NT	NT
CADMIUM	NT	NT	NT	NT	NT	NT	NT	0.97	NT	NT	NT	NT	NT	NT	NT	NT
CHROMIUM (as +3)	NT	NT	NT	NT	NT	NT	NT	14	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	26	NT	NT	NT	NT	NT	NT	NT	NT
NICKEL	NT	NT	NT	NT	NT	NT	NT	*42*	NT	NT	NT	NT	NT	NT	NT	NT
SELENIUM	NT	NT	NT	NT	NT	NT	NT	ND (5.4)	NT	NT	NT	NT	NT	NT	NT	NT
SILVER	NT	NT	NT	NT	NT	NT	NT	ND (0.54)	NT	NT	NT	NT	NT	NT	NT	NT
THALLIUM	NT	NT	NT	NT	NT	NT	NT	ND (2.7)	NT	NT	NT	NT	NT	NT	NT	NT
VANADIUM	NT	NT	*39*	*41*	NT	NT	*390*	***510***	*120*	NT	NT	NT	NT	NT	NT	NT
ZINC	NT	NT	NT	NT	NT	NT	NT	81	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 7471B (mg/Kg dry) Metals Digestion																
MERCURY	NT	NT	NT	NT	NT	NT	NT	0.19	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 7196A (mg/Kg dry)																
CHROMIUM +6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SM2580 A (mV)																
OXIDATION/REDUCTION POTENTIAL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 9045C (pH Units)																
PH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 6010C-D (mg/L) 1311 TCLP EXT																
CADMIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8082A (mg/Kg dry)																
PCB 1016	ND (6.0) *	ND (0.10)	ND (0.11)	ND (0.11)	ND (5.8) *	ND (0.11)	NT	ND (0.11)	ND (0.11)	ND (2.4) *	ND (1.1) *	ND (1.1) *	ND (4.6) *	ND (3.1) *	ND (2.5) *	ND (0.12)
PCB 1221	ND (6.0) *	ND (0.10)	ND (0.11)	ND (0.11)	ND (5.8) *	ND (0.11)	NT	ND (0.11)	ND (0.11)	ND (2.4) *	ND (1.1) *	ND (1.1) *	ND (4.6) *	ND (3.1) *	ND (2.5) *	ND (0.12)
PCB 1232	ND (6.0) *	ND (0.10)	ND (0.11)	ND (0.11)	ND (5.8) *	ND (0.11)	NT	ND (0.11)	ND (0.11)	ND (2.4) *	ND (1.1) *	ND (1.1) *	ND (4.6) *	ND (3.1) *	ND (2.5) *	ND (0.12)
PCB 1242	ND (6.0) *	ND (0.10)	ND (0.11)	ND (0.11)	ND (5.8) *	ND (0.11)	NT	ND (0.11)	ND (0.11)	ND (2.4) *	ND (1.1) *	ND (1.1) *	ND (4.6) *	ND (3.1) *	ND (2.5) *	ND (0.12)
PCB 1248	ND (6.0) *	ND (0.10)	ND (0.11)	ND (0.11)	ND (5.8) *	ND (0.11)	NT	ND (0.11)	ND (0.11)	ND (2.4) *	2.5	ND (1.1) *	ND (4.6) *	ND (3.1) *	ND (2.5) *	ND (0.12)
PCB 1254	**39**	ND (0.10)	ND (0.11)	ND (0.11)	**42**	**1.1**	NT	ND (0.11)	ND (0.11)	**18**	**9.8**	**7.4**	**30**	**20**	**21**	0.29
PCB 1260	ND (6.0) *	ND (0.10)	ND (0.11)	ND (0.11)	ND (5.8) *	ND (0.11)	NT	ND (0.11)	ND (0.11)	**4.2**	**5.4**	**1.7**	**6.5**	**4.4**	ND (2.5) *	ND (0.12)
PCB 1262	ND (6.0) *	ND (0.10)	ND (0.11)	ND (0.11)	ND (5.8) *	ND (0.11)	NT	ND (0.11)	ND (0.11)	ND (2.4) *	ND (1.1) *	ND (1.1) *	ND (4.6) *	ND (3.1) *	ND (2.5) *	ND (0.12)
PCB 1268	ND (6.0) *	ND (0.10)	ND (0.11)	ND (0.11)	ND (5.8) *	ND (0.11)	NT	ND (0.11)	ND (0.11)	ND (2.4) *	ND (1.1) *	ND (1.1) *	ND (4.6) *	ND (3.1) *	ND (2.5) *	ND (0.12)
TOTAL PCBs	**39**	ND (0.10)	ND (0.11)	ND (0.11)	**42**	**1.1**	NT	ND (0.11)	ND (0.11)	**22.2**	**15.2**	**9.1**	**36.5**	**24.4**	**21**	0.29

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS															
	B-8 (0-1')	B-8 (1-3')	B-8 (3-6')	B-8 (6-11')	B-9 (0-1')	B-9 (1-3')	B-9 (0-3')	B-9 (3-6')	B-9 (6-9')	B-9 (5'E) (0-1)	B-9 (5'E) (1-3)	B-9 (5'N) (0-1)	B-9 (5'S) (0-1)	B-9 (5'W) (0-1)	B-10 (0-1')	B-10 (1-3')
SW-846 8081B (mg/Kg dry)																
ALDRIN	NT	NT	NT	NT	NT	NT	NT	ND (0.11) *	NT	NT	NT	NT	NT	NT	NT	NT
ALPHA-BHC	NT	NT	NT	NT	NT	NT	NT	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
BETA-BHC	NT	NT	NT	NT	NT	NT	NT	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
DELTA-BHC	NT	NT	NT	NT	NT	NT	NT	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
GAMMA-BHC (LINDANE)	NT	NT	NT	NT	NT	NT	NT	ND (0.046) *	NT	NT	NT	NT	NT	NT	NT	NT
CHLORDANE	NT	NT	NT	NT	NT	NT	NT	ND (0.46)	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDD	NT	NT	NT	NT	NT	NT	NT	ND (0.091)	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDE	NT	NT	NT	NT	NT	NT	NT	ND (0.091)	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDT	NT	NT	NT	NT	NT	NT	NT	ND (0.091)	NT	NT	NT	NT	NT	NT	NT	NT
DIELDRIN	NT	NT	NT	NT	NT	NT	NT	ND (0.091) *	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN I	NT	NT	NT	NT	NT	NT	NT	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN II	NT	NT	NT	NT	NT	NT	NT	ND (0.18)	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN SULFATE	NT	NT	NT	NT	NT	NT	NT	ND (0.18)	NT	NT	NT	NT	NT	NT	NT	NT
ENDRIN	NT	NT	NT	NT	NT	NT	NT	ND (0.18)	NT	NT	NT	NT	NT	NT	NT	NT
ENDRIN KETONE	NT	NT	NT	NT	NT	NT	NT	ND (0.18)	NT	NT	NT	NT	NT	NT	NT	NT
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	ND (0.11)	NT	NT	NT	NT	NT	NT	NT	NT
HEPTACHLOR EPOXIDE	NT	NT	NT	NT	NT	NT	NT	ND (0.11) *	NT	NT	NT	NT	NT	NT	NT	NT
HEXACHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	ND (0.14)	NT	NT	NT	NT	NT	NT	NT	NT
METHOXYCHLOR	NT	NT	NT	NT	NT	NT	NT	ND (1.1)	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8081B (µg/L) 1311 TCLP EXT																
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8151A (mg/kg dry)																
2,4-D	NT	NT	NT	NT	NT	NT	NT	ND (0.028)	NT	NT	NT	NT	NT	NT	NT	NT
2,4-DB	NT	NT	NT	NT	NT	NT	NT	ND (0.028)	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-TP (SILVEX)	NT	NT	NT	NT	NT	NT	NT	ND (0.0028)	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-T	NT	NT	NT	NT	NT	NT	NT	ND (0.0028)	NT	NT	NT	NT	NT	NT	NT	NT
DALAPON	NT	NT	NT	NT	NT	NT	NT	ND (0.071)	NT	NT	NT	NT	NT	NT	NT	NT
DICAMBA	NT	NT	NT	NT	NT	NT	NT	ND (0.0028)	NT	NT	NT	NT	NT	NT	NT	NT
DICHLOROPROP	NT	NT	NT	NT	NT	NT	NT	ND (0.028)	NT	NT	NT	NT	NT	NT	NT	NT
DINOSEB	NT	NT	NT	NT	NT	NT	NT	ND (0.014)	NT	NT	NT	NT	NT	NT	NT	NT
MCPA	NT	NT	NT	NT	NT	NT	NT	ND (2.8)	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NT	NT	NT	NT	NT	NT	NT	ND (2.8)	NT	NT	NT	NT	NT	NT	NT	NT

NOTES:

1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regul. criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards (exclusive of S-x/GW-1).
6. Italic values exceed MassDEP published background conc. for soils assoc. with fill containing coal ash or wood ash.

12. These soils contain >50 mg/kg PCBs and were excavated and transported off-site to a hazardous waste facility approved to accept >50 mg/kg PCBs.
13. Sample hydrocarbon fingerprinted via USEPA Method 8015C. Hydrocarbon was identified as Fuel Oil No. 6. B-3 (15'-20') (25-28") and B-4 (15'-20') (21-24") contained 10,000 and 6,300 mg/kg Fuel Oil No. 6, respectively.
14. EPH extraction for B-18(5-10), B-19 (5-10) and B-19 (10-15) was conducted on day 29 after sample collection, more than 2 times the extraction hold period of 14 days. This data is used only for qualitative purposes to evaluate distribution of petroleum contamination.
15. Located beneath stockpiled soils on west end of courtyard.
16. 0-1 Foot interval soils from this area were excavated and placed in dry well no. 1.

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS															
	B-10 (0-3')	**B-10 (3-6')**	**B-10 (6-11')**	**B-11 (0-1')**	**B-11 (1-3')**	**B-11 (3-6')**	**B-11 (6-11')**	**B-11-r10B (0-1')**	**B-11-r10B (0-3')**	**B-11-r10B (1-3')**	**B-11-r5A (0-1')**	**B-11-r5A (0-3')**	**B-11-r5A (1-3')**	**B-11-r5B (0-1')**	**B-11-r5B (0-3')**	**B-11-r5B (1-3')**
Sampling Date	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/14/2016	3/30/2016	3/30/2016	3/30/2016	3/30/2016	3/30/2016	3/30/2016	3/30/2016	3/30/2016	3/30/2016
Sample Depth During Investigative Event	0-3 Feet	3-6 Feet	6-11 Feet	0-1 Feet	1-3 Feet	3-6 Feet	6-11 Feet	0-1 Feet	0-3 Feet	1-3 Feet	0-1 Feet	0-3 Feet	1-3 Feet	0-1 Feet	0-3 Feet	1-3 Feet
Sample Depth Relative to October 1, 2016	0-3 Feet	3-6 Feet	6-11 Feet	Excavated/ Transported Off-Site	1-3 Feet	3-6 Feet	6-11 Feet	0-1 Feet	0-3 Feet	1-3 Feet	Excavated/ Transported Off-Site	0-2 Feet	0-2 Feet	Excavated/ Transported Off-Site	0-2 Feet	0-2 Feet
NOTES:	10			7							7			7		
MADEP-EPH-04-1.1 (mg/Kg dry)																
C9-C18 ALIPHATICS	18	ND (11)	NT	NT	NT	NT	ND (12)	NT	180	NT	NT	42	NT	NT	24	NT
C19-C36 ALIPHATICS	150	19	NT	NT	NT	NT	46	NT	530	NT	NT	230	NT	NT	120	NT
UNADJUSTED C11-C22 AROMATICS	200	35	NT	NT	NT	NT	58	NT	1100	NT	NT	570	NT	NT	120	NT
C11-C22 AROMATICS	190	31	NT	NT	NT	NT	51	NT	**1100**	NT	NT	400	NT	NT	97	NT
ACENAPHTHENE	0.49	ND (0.11)	NT	NT	NT	NT	ND (0.12)	NT	ND (0.23)	NT	NT	0.46	NT	NT	0.58	NT
ACENAPHTHYLENE	ND (0.46)	ND (0.11)	NT	NT	NT	NT	ND (0.12)	NT	ND (0.23)	NT	NT	0.77	NT	NT	ND (0.23)	NT
ANTHRACENE	1.1	ND (0.11)	NT	NT	NT	NT	0.24	NT	0.38	NT	NT	4.0	NT	NT	0.86	NT
BENZO(A)ANTHRACENE	2.1	0.28	NT	NT	NT	NT	0.54	NT	0.74	NT	NT	***15***	NT	NT	1.4	NT
BENZO(A)PYRENE	1.4	0.29	NT	NT	NT	NT	0.54	NT	0.68	NT	NT	**15**	NT	NT	1.2	NT
BENZO(B)FLUORANTHENE	2.4	0.38	NT	NT	NT	NT	0.68	NT	ND (0.23)	NT	NT	**19**	NT	NT	1.5	NT
BENZO(G,H,I)PERYLENE	1.1	0.18	NT	NT	NT	NT	0.24	NT	0.89	NT	NT	8.7	NT	NT	0.58	NT
BENZO(K)FLUORANTHENE	0.67	0.15	NT	NT	NT	NT	0.25	NT	ND (0.23)	NT	NT	7	NT	NT	0.53	NT
CHRYSENE	2.4	0.37	NT	NT	NT	NT	0.61	NT	1.3	NT	NT	*15*	NT	NT	1.6	NT
DIBENZ(A,H)ANTHRACENE	ND (0.46)	ND (0.11)	NT	NT	NT	NT	ND (0.12)	NT	ND (0.23)	NT	NT	***2.3***	NT	NT	ND (0.23)	NT
FLUORANTHENE	4.1	0.61	NT	NT	NT	NT	1.3	NT	1.7	NT	NT	*31*	NT	NT	3.3	NT
FLUORENE	0.57	ND (0.11)	NT	NT	NT	NT	ND (0.12)	NT	ND (0.23)	NT	NT	0.6	NT	NT	0.41	NT
INDENO(1,2,3-CD)PYRENE	1.1	0.18	NT	NT	NT	NT	0.32	NT	ND (0.23)	NT	NT	***10***	NT	NT	0.7	NT
2-METHYLNAPHTHALENE	ND (0.46)	ND (0.11)	NT	NT	NT	NT	ND (0.12)	NT	ND (0.23)	NT	NT	0.31	NT	NT	ND (0.23)	NT
NAPHTHALENE	ND (0.46)	ND (0.11)	NT	NT	NT	NT	ND (0.12)	NT	ND (0.23)	NT	NT	*1.2*	NT	NT	ND (0.23)	NT
PHENANTHRENE	4.7	0.55	NT	NT	NT	NT	1.1	NT	1.7	NT	NT	**11**	NT	NT	4	NT
PYRENE	4.1	0.71	NT	NT	NT	NT	1.4	NT	1.2	NT	NT	*31*	NT	NT	3.5	NT
BIS(2-ETHYLHEXYL)PHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DIBENZOFURAN (see notes 7, 9)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DI-N-BUTYLPHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MADEP-VPH-04-1.1 (mg/Kg dry)																
UNADJUSTED C5-C8 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C5-C8 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
UNADJUSTED C9-C12 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C12 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C10 AROMATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ETHYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METHYL TERT-BUTYL ETHER (MTBE)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NAPHTHALENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TOLUENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
M/P-XYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
O-XYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS															
	B-10 (0-3')	B-10 (3-6')	B-10 (6-11')	B-11 (0-1')	B-11 (1-3')	B-11 (3-6')	B-11 (6-11')	B-11-r10B (0-1')	B-11-r10B (0-3')	B-11-r10B (1-3')	B-11-r5A (0-1')	B-11-r5A (0-3')	B-11-r5A (1-3')	B-11-r5B (0-1')	B-11-r5B (0-3')	B-11-r5B (1-3')
SM 2540G (% Wt)																
% Solids	86.6	88.7	90.3	79.4	88.2	85.2	84.2	83.6	86.5	85.3	81.2	85.7	83.2	82.2	86.4	86.3
SW-846 6010C/D (mg/Kg dry) Metals Digestion																
ANTIMONY	ND (2.7)	NT	NT	NT	NT	ND (2.8)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ARSENIC	10	NT	NT	NT	NT	9.2	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BARIUM	*64*	NT	NT	NT	NT	*160*	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BERYLLIUM	*25*	NT	NT	NT	NT	*11*	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CADMIUM	0.82	NT	NT	NT	NT	1.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CHROMIUM (as +3)	26	NT	NT	NT	NT	33	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	68	NT	NT	NT	NT	200	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NICKEL	*64*	NT	NT	NT	NT	*85*	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SELENIUM	ND (5.4)	NT	NT	NT	NT	ND (5.6)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SILVER	ND (0.54)	NT	NT	NT	NT	ND (0.56)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
THALLIUM	ND (2.7)	NT	NT	NT	NT	ND (2.8)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
VANADIUM	***2100***	***560***	*260*	NT	NT	***900***	***870***	NT	*380*	NT	NT	*140*	NT	NT	***550***	NT
ZINC	65	NT	NT	NT	NT	180	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 7471B (mg/Kg dry) Metals Digestion																
MERCURY	0.13	NT	NT	NT	NT	*1.2*	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 7196A (mg/Kg dry)																
CHROMIUM +6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SM2580 A (mV)																
OXIDATION/REDUCTION POTENTIAL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 9045C (pH Units)																
PH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 6010C-D (mg/L) 1311 TCLP EXT																
CADMIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	0.029	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8082A (mg/Kg dry)																
PCB 1016	NT	ND (0.11)	ND (0.11)	ND (13) *	ND (0.11)	ND (0.23)	ND (1.2) *	ND (0.59)	NT	ND (0.11)	ND (1.2) *	NT	ND (0.59)	ND (0.59)	NT	ND (0.11)
PCB 1221	NT	ND (0.11)	ND (0.11)	ND (13) *	ND (0.11)	ND (0.23)	ND (1.2) *	ND (0.59)	NT	ND (0.11)	ND (1.2) *	NT	ND (0.59)	ND (0.59)	NT	ND (0.11)
PCB 1232	NT	ND (0.11)	ND (0.11)	ND (13) *	ND (0.11)	ND (0.23)	ND (1.2) *	ND (0.59)	NT	ND (0.11)	ND (1.2) *	NT	ND (0.59)	ND (0.59)	NT	ND (0.11)
PCB 1242	NT	ND (0.11)	ND (0.11)	ND (13) *	ND (0.11)	ND (0.23)	ND (1.2) *	ND (0.59)	NT	ND (0.11)	ND (1.2) *	NT	ND (0.59)	ND (0.59)	NT	ND (0.11)
PCB 1248	NT	ND (0.11)	ND (0.11)	ND (13) *	ND (0.11)	ND (0.23)	ND (1.2) *	ND (0.59)	NT	ND (0.11)	ND (1.2) *	NT	ND (0.59)	ND (0.59)	NT	ND (0.11)
PCB 1254	NT	0.79	0.22	**100**	0.16	**2.0**	**6.2**	**6.2**	NT	0.48	**7.6**	NT	**5.4**	**4.0**	NT	0.19
PCB 1260	NT	ND (0.11)	ND (0.11)	ND (13) *	ND (0.11)	ND (0.23)	ND (1.2) *	0.75	NT	ND (0.11)	ND (1.2) *	NT	ND (0.59)	ND (0.59)	NT	ND (0.11)
PCB 1262	NT	ND (0.11)	ND (0.11)	ND (13) *	ND (0.11)	ND (0.23)	ND (1.2) *	ND (0.59)	NT	ND (0.11)	ND (1.2) *	NT	ND (0.59)	ND (0.59)	NT	ND (0.11)
PCB 1268	NT	ND (0.11)	ND (0.11)	ND (13) *	ND (0.11)	ND (0.23)	ND (1.2) *	ND (0.59)	NT	ND (0.11)	ND (1.2) *	NT	ND (0.59)	ND (0.59)	NT	ND (0.11)
TOTAL PCBs	NT	0.79	0.22	**100**	0.16	**2.0**	**6.2**	**7.0**	NT	0.48	**7.6**	NT	**5.4**	**4.0**	NT	0.19

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS															
	B-10 (0-3')	B-10 (3-6')	B-10 (6-11')	B-11 (0-1')	B-11 (1-3')	B-11 (3-6')	B-11 (6-11')	B-11-r10B (0-1')	B-11-r10B (0-3')	B-11-r10B (1-3')	B-11-r5A (0-1')	B-11-r5A (0-3')	B-11-r5A (1-3')	B-11-r5B (0-1')	B-11-r5B (0-3')	B-11-r5B (1-3')
SW-846 8081B (mg/Kg dry)																
ALDRIN	ND (0.12) *	NT	NT	NT	NT	ND (0.12) *	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ALPHA-BHC	ND (0.12)	NT	NT	NT	NT	ND (0.12)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BETA-BHC	ND (0.12)	NT	NT	NT	NT	ND (0.12)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DELTA-BHC	ND (0.12)	NT	NT	NT	NT	ND (0.12)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
GAMMA-BHC (LINDANE)	ND (0.046) *	NT	NT	NT	NT	ND (0.047) *	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CHLORDANE	ND (0.46)	NT	NT	NT	NT	ND (0.47)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDD	ND (0.092)	NT	NT	NT	NT	ND (0.094)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDE	ND (0.092)	NT	NT	NT	NT	ND (0.094)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDT	ND (0.092)	NT	NT	NT	NT	0.16	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DIELDRIN	ND (0.092) *	NT	NT	NT	NT	ND (0.094) *	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN I	ND (0.12)	NT	NT	NT	NT	ND (0.12)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN II	ND (0.18)	NT	NT	NT	NT	ND (0.19)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN SULFATE	ND (0.18)	NT	NT	NT	NT	ND (0.19)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDRIN	ND (0.18)	NT	NT	NT	NT	ND (0.19)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDRIN KETONE	ND (0.18)	NT	NT	NT	NT	ND (0.19)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEPTACHLOR	ND (0.12)	NT	NT	NT	NT	ND (0.12)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEPTACHLOR EPOXIDE	ND (0.12) *	NT	NT	NT	NT	ND (0.12) *	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEXACHLOROBENZENE	ND (0.14)	NT	NT	NT	NT	ND (0.14)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METHOXYCHLOR	ND (1.2)	NT	NT	NT	NT	ND (1.2)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8081B (µg/L) 1311 TCLP EXT																
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8151A (mg/kg dry)																
2,4-D	ND (0.029)	NT	NT	NT	NT	ND (0.029)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-DB	ND (0.029)	NT	NT	NT	NT	ND (0.029)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-TP (SILVEX)	ND (0.0029)	NT	NT	NT	NT	ND (0.0029)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-T	ND (0.0029)	NT	NT	NT	NT	ND (0.0029)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DALAPON	ND (0.072)	NT	NT	NT	NT	ND (0.073)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DICAMBA	ND (0.0029)	NT	NT	NT	NT	ND (0.0029)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DICHLOROPROP	ND (0.029)	NT	NT	NT	NT	ND (0.029)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DINOSEB	ND (0.014)	NT	NT	NT	NT	ND (0.015)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPA	ND (2.9)	NT	NT	NT	NT	ND (2.9)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	ND (2.9)	NT	NT	NT	NT	ND (2.9)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTES:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regul. criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards (exclusive of S-x/GW-1).
6. Italic values exceed MassDEP published background conc. for soils assoc. with fill containing coal ash or wood ash.

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS													
	B-11-r5C (0-1')	**B-11-r5C (0-3')**	**B-11-r5C (1-3')**	**Btm-B11-ex**	**ESW-B11-ex**	**WSW-B11-ex**	**B-12 (0-1')**	**B-12 (1-3')**	**B-12 (0-3')**	**B-12 (3-6')**	**B-13 (0-1')**	**B-13 (1-3')**	**B-13 (0-3')**	**B-13 (3-6')**
Sampling Date	3/30/2016	3/30/2016	3/30/2016	5/27/2016	5/27/2016	5/27/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016	3/23/2016
Sample Depth During Investigative Event	0-1 Feet	0-3 Feet	1-3 Feet	1-1.5 Feet	0-1 Feet	0-1 Feet	0-1 Feet	1-3 Feet	0-3 Feet	3-6 Feet	0-1 Feet	1-3 Feet	0-3 Feet	3-6 Feet
Sample Depth Relative to October 1, 2016	Excavated/ Transported Off-Site	0-2 Feet	0-2 Feet	0-0.5 Feet	0-1 Feet	0-1 Feet	Excavated and Put in Dry Well	0-2 Feet	0-2 Feet	2-5 Feet	Excavated and Put in Dry Well	0-2 Feet	0-2 Feet	2-5 Feet
NOTES:	7			12	12	12	16	15	15	15	16	15	15	15
MADEP-EPH-04-1.1 (mg/Kg dry)														
C9-C18 ALIPHATICS	NT	57	NT	NT	NT	NT	NT	NT	ND (31)	ND (11)	NT	NT	17	ND (12)
C19-C36 ALIPHATICS	NT	310	NT	NT	NT	NT	NT	NT	65	16	NT	NT	80	19
UNADJUSTED C11-C22 AROMATICS	NT	320	NT	NT	NT	NT	NT	NT	140	44	NT	NT	280	110
C11-C22 AROMATICS	NT	290	NT	NT	NT	NT	NT	NT	130	34	NT	NT	240	26
ACENAPHTHENE	NT	0.49	NT	NT	NT	NT	NT	NT	1.3	0.39	NT	NT	1.1	0.93
ACENAPHTHYLENE	NT	ND (0.24)	NT	NT	NT	NT	NT	NT	ND (0.15)	ND (0.11)	NT	NT	ND (0.14)	ND (0.24)
ANTHRACENE	NT	0.88	NT	NT	NT	NT	NT	NT	2.3	0.52	NT	NT	0.42	1.5
BENZO(A)ANTHRACENE	NT	1.5	NT	NT	NT	NT	NT	NT	2.8	0.70	NT	NT	0.60	2.3
BENZO(A)PYRENE	NT	1.6	NT	NT	NT	NT	NT	NT	**2.2**	0.67	NT	NT	1.0	1.9
BENZO(B)FLUORANTHENE	NT	2	NT	NT	NT	NT	NT	NT	3.4	0.85	NT	NT	0.84	2.5
BENZO(G,H,I)PERYLENE	NT	0.98	NT	NT	NT	NT	NT	NT	0.93	0.36	NT	NT	0.32	0.96
BENZO(K)FLUORANTHENE	NT	0.78	NT	NT	NT	NT	NT	NT	1.4	0.33	NT	NT	0.28	0.92
CHRYSENE	NT	1.8	NT	NT	NT	NT	NT	NT	2.8	0.68	NT	NT	2.6	0.25
DIBENZ(A,H)ANTHRACENE	NT	ND (0.24)	NT	NT	NT	NT	NT	NT	0.41	ND (0.11)	NT	NT	0.35	ND (0.24)
FLUORANTHENE	NT	5.1	NT	NT	NT	NT	NT	NT	7.8	1.9	NT	NT	1.8	0.56
FLUORENE	NT	0.42	NT	NT	NT	NT	NT	NT	1.3	0.22	NT	NT	0.17	0.74
INDENO(1,2,3-CD)PYRENE	NT	1	NT	NT	NT	NT	NT	NT	1.2	0.41	NT	NT	1.5	1.2
2-METHYLNAPHTHALENE	NT	0.28	NT	NT	NT	NT	NT	NT	0.45	ND (0.11)	NT	NT	ND (0.14)	ND (0.24)
NAPHTHALENE	NT	0.88	NT	NT	NT	NT	NT	NT	0.98	0.16	NT	NT	0.68	ND (0.24)
PHENANTHRENE	NT	3.2	NT	NT	NT	NT	NT	NT	8.8	1.8	NT	NT	6.9	5.9
PYRENE	NT	3.7	NT	NT	NT	NT	NT	NT	7.1	1.7	NT	NT	6.4	0.51
BIS(2-ETHYLHEXYL)PHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DIBENZOFURAN (see notes 7, 9)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DI-N-BUTYLPHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MADEP-VPH-04-1.1 (mg/Kg dry)														
UNADJUSTED C5-C8 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C5-C8 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
UNADJUSTED C9-C12 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C12 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C10 AROMATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ETHYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METHYL TERT-BUTYL ETHER (MTBE)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NAPHTHALENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TOLUENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
M/P-XYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
O-XYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS													
	B-11-r5C (0-1')	B-11-r5C (0-3')	B-11-r5C (1-3')	Btm-B11-ex	ESW-B11-ex	WSW-B11-ex	B-12 (0-1')	B-12 (1-3')	B-12 (0-3')	B-12 (3-6')	B-13 (0-1')	B-13 (1-3')	B-13 (0-3')	B-13 (3-6')
SM 2540G (% Wt)														
% Solids	77.4	81.7	85.3	88.3	86.8	87.1	77.3	92.5	64.2	88.1	61.4	78.4	72.0	82.8
SW-846 6010C/D (mg/Kg dry) Metals Digestion														
ANTIMONY	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ARSENIC	NT	NT	NT	NT	NT	NT	NT	NT	4.4	4.1	NT	NT	8.3	5.1
BARIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BERYLLIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CADMIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CHROMIUM (as +3)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	NT	**210**	120	NT	NT	***1300***	34
NICKEL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SELENIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SILVER	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
THALLIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
VANADIUM	NT	***640***	NT	NT	NT	NT	NT	NT	20	13	NT	NT	*35*	22
ZINC	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 7471B (mg/Kg dry) Metals Digestion														
MERCURY	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 7196A (mg/Kg dry)														
CHROMIUM +6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SM2580 A (mV)														
OXIDATION/REDUCTION POTENTIAL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 9045C (pH Units)														
PH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 6010C-D (mg/L) 1311 TCLP EXT														
CADMIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	NT	0.47	ND (0.010)	NT	NT	0.64	NT
SW-846 8082A (mg/Kg dry)														
PCB 1016	ND (13) *	NT	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.11)	ND (2.5) *	ND (0.10)	NT	ND (0.11)	ND (3.2) *	ND (6.3) *	NT	ND (0.12)
PCB 1221	ND (13) *	NT	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.11)	ND (2.5) *	ND (0.10)	NT	ND (0.11)	ND (3.2) *	ND (6.3) *	NT	ND (0.12)
PCB 1232	ND (13) *	NT	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.11)	ND (2.5) *	ND (0.10)	NT	ND (0.11)	ND (3.2) *	ND (6.3) *	NT	ND (0.12)
PCB 1242	ND (13) *	NT	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.11)	ND (2.5) *	ND (0.10)	NT	ND (0.11)	ND (3.2) *	ND (6.3) *	NT	ND (0.12)
PCB 1248	ND (13) *	NT	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.11)	ND (2.5) *	ND (0.10)	NT	ND (0.11)	ND (3.2) *	ND (6.3) *	NT	ND (0.12)
PCB 1254	**97**	NT	**2.9**	0.79	0.38	**1.1**	**11**	0.26	NT	0.37	**12**	**25**	NT	ND (0.12)
PCB 1260	ND (13) *	NT	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.11)	ND (2.5) *	ND (0.10)	NT	ND (0.11)	ND (3.2) *	ND (6.3) *	NT	ND (0.12)
PCB 1262	ND (13) *	NT	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.11)	ND (2.5) *	ND (0.10)	NT	ND (0.11)	ND (3.2) *	ND (6.3) *	NT	ND (0.12)
PCB 1268	ND (13) *	NT	ND (0.57)	ND (0.11)	ND (0.12)	ND (0.11)	ND (2.5) *	ND (0.10)	NT	ND (0.11)	ND (3.2) *	ND (6.3) *	NT	ND (0.12)
TOTAL PCBs	**97**	NT	**2.9**	0.79	0.38	**1.1**	**11**	0.26	NT	0.37	**12**	**25**	NT	ND (0.12)

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS													
	B-11-r5C (0-1')	B-11-r5C (0-3')	B-11-r5C (1-3')	Btm-B11-ex	ESW-B11-ex	WSW-B11-ex	B-12 (0-1')	B-12 (1-3')	B-12 (0-3')	B-12 (3-6')	B-13 (0-1')	B-13 (1-3')	B-13 (0-3')	B-13 (3-6')
SW-846 8081B (mg/Kg dry)														
ALDRIN	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ALPHA-BHC	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BETA-BHC	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DELTA-BHC	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
GAMMA-BHC (LINDANE)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CHLORDANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DIELDRIN	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN I	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN II	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN SULFATE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDRIN	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDRIN KETONE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEPTACHLOR EPOXIDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEXACHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METHOXYCHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8081B (µg/L) 1311 TCLP EXT														
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8151A (mg/kg dry)														
2,4-D	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-DB	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-TP (SILVEX)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-T	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DALAPON	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DICAMBA	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DICHLOROPROP	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DINOSEB	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPA	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTES:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regul. criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards (exclusive of S-x/GW-1).
6. Italic values exceed MassDEP published background conc. for soils assoc. with fill containing coal ash or wood ash.

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS														
	BTM-GT-1	**BTM-GT-2**	**ESW-GT-1**	**NSW-GT-1**	**NSW-GT-2**	**SSW-GT-1**	**SSW-GT-2**	**WSW-GT-2**	**SP-1**	**FO-1 (3')**	**SP-3**	**FO-1-TP (0-1')**	**FO-1-TP (1-2')**	**FO-1-TP (2-3')**	**FO-1**
Sampling Date	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	3/8/2016	2/29/2016	3/9/2016	3/29/2016	3/9/2016	3/9/2016	3/9/2016	3/10/2016
Sample Depth During Investigative Event	6 Feet	8 Feet	3-4 Feet	3-4 Feet	5-6 Feet	3-4 Feet	5-6 Feet	5-6 Feet	Stockpile / Top Soils	3.5 Feet (just in vault)	Stockpile / Sands in vault	0-1 Feet (below grade / above vault)	1-2 Feet (below grade / above vault)	2-3 Feet (below grade / above vault)	7-8 feet (under vault, oily material)
Sample Depth Relative to October 1, 2016	3 Feet	5 Feet	0-1 Feet	0-1 Feet	2-3 Feet	0-1 Feet	2-3 Feet	2-3 Feet	Stockpile / Transported Off-Site	0.5 Feet (just in vault)	Stockpile / Sands in vault	Excavated and Stockpiled	Excavated and Stockpiled	Excavated and Stockpiled	4-5 feet (under vault, oil material)
NOTES:									7	8	9				8
MADEP-EPH-04-1.1 (mg/Kg dry)															via 8270C
C9-C18 ALIPHATICS	ND (12)	ND (11)	13	34	ND (22)	ND (11)	37	ND (11)	NT	ND (10)	NT	NT	NT	NT	NT
C19-C36 ALIPHATICS	ND (12)	31	29	140	77	17	200	ND (11)	NT	ND (10)	NT	NT	NT	NT	NT
UNADJUSTED C11-C22 AROMATICS	27	45	41	560	140	33	220	40	NT	ND (10)	NT	NT	NT	NT	NT
C11-C22 AROMATICS	25	45	41	420	120	31	210	33	NT	ND (10)	NT	NT	NT	NT	NT
ACENAPHTHENE	ND (0.12)	ND (0.11)	ND (0.11)	1.7	0.37	ND (0.11)	ND (0.43)	ND (0.11)	*2.4*	ND (0.10)	0.70	NT	NT	NT	***4.9***
ACENAPHTHYLENE	ND (0.12)	ND (0.11)	ND (0.11)	ND (0.23)	ND (0.22)	ND (0.11)	ND (0.43)	ND (0.11)	ND (0.85)	ND (0.10)	ND (0.18)	NT	NT	NT	ND (3.8) *
ANTHRACENE	ND (0.12)	ND (0.11)	ND (0.11)	*4.7*	0.73	ND (0.11)	ND (0.43)	0.18	*5.3*	ND (0.10)	1.5	NT	NT	NT	*4.9*
BENZO(A)ANTHRACENE	ND (0.12)	ND (0.11)	ND (0.11)	***10***	1.7	ND (0.11)	0.78	0.5	***10***	ND (0.10)	3.0	NT	NT	NT	4.8
BENZO(A)PYRENE	0.27	0.11	ND (0.11)	***9.3***	0.69	0.24	0.94	0.52	***8.0***	ND (0.10)	**2.6**	NT	NT	NT	ND (3.8) *
BENZO(B)FLUORANTHENE	0.32	0.15	ND (0.11)	***13***	2	0.31	1.1	0.67	***9.8***	ND (0.10)	3.5	NT	NT	NT	ND (3.8)
BENZO(G,H,I)PERYLENE	0.38	ND (0.11)	ND (0.11)	*4.9*	0.96	0.33	0.77	0.41	*4.5*	ND (0.10)	1.4	NT	NT	NT	ND (3.8)
BENZO(K)FLUORANTHENE	ND (0.12)	ND (0.11)	ND (0.11)	*4.8*	0.73	ND (0.11)	0.44	0.26	3.9	ND (0.10)	1.4	NT	NT	NT	ND (3.8)
CHRYSENE	0.15	0.11	ND (0.11)	*12*	1.8	0.17	1.0	0.59	*9.7*	ND (0.10)	2.8	NT	NT	NT	6.6
DIBENZ(A,H)ANTHRACENE	ND (0.12)	ND (0.11)	ND (0.11)	***1.5***	ND (0.22)	ND (0.11)	ND (0.43)	ND (0.11)	***1.4***	ND (0.10)	0.59	NT	NT	NT	ND (3.8) *
FLUORANTHENE	0.15	0.17	0.14	*27*	3.7	0.19	1.6	1.1	*22*	ND (0.10)	7.0	NT	NT	NT	6.4
FLUORENE	ND (0.12)	ND (0.11)	ND (0.11)	*2.1*	0.37	ND (0.11)	ND (0.43)	ND (0.11)	*2.8*	ND (0.10)	0.93	NT	NT	NT	*11*
INDENO(1,2,3-CD)PYRENE	0.36	ND (0.11)	ND (0.11)	*5.2*	0.93	0.25	0.56	0.36	*5.1*	ND (0.10)	1.4	NT	NT	NT	ND (3.8)
2-METHYLNAPHTHALENE	ND (0.12)	ND (0.11)	ND (0.11)	0.48	ND (0.22)	ND (0.11)	ND (0.43)	ND (0.11)	0.93	ND (0.10)	0.29	NT	NT	NT	*33*
NAPHTHALENE	ND (0.12)	ND (0.11)	ND (0.11)	0.70	ND (0.22)	ND (0.11)	ND (0.43)	ND (0.11)	*1.6*	ND (0.10)	0.59	NT	NT	NT	*8.3*
PHENANTHRENE	0.34	ND (0.11)	0.4	19	3	0.24	1.2	0.74	*24*	ND (0.10)	5.9	NT	NT	NT	*32*
PYRENE	ND (0.12)	0.18	0.13	*25*	3.4	0.19	1.6	1	*23*	ND (0.10)	5.0	NT	NT	NT	*33*
BIS(2-ETHYLHEXYL)PHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	30	NT	ND (0.36)	NT	NT	NT	ND (7.5)
DIBENZOFURAN (see notes 7, 9)	NT	NT	NT	NT	NT	NT	NT	NT	1.9	NT	0.37	NT	NT	NT	ND (7.5)
DI-N-BUTYLPHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	5.6	NT	ND (0.36)	NT	NT	NT	ND (7.5)
MADEP-VPH-04-1.1 (mg/Kg dry)															
UNADJUSTED C5-C8 ALIPHATICS	ND (9.6)	ND (9.9)	ND (9.5)	ND (8.6)	ND (8.3)	ND (10)	ND (11)	ND (8.2)	NT	ND (7.9)	ND (8.9)	NT	NT	NT	NT
C5-C8 ALIPHATICS	ND (9.6)	ND (9.9)	ND (9.5)	ND (8.6)	ND (8.3)	ND (10)	ND (11)	ND (8.2)	NT	ND (7.9)	ND (8.9)	NT	NT	NT	NT
UNADJUSTED C9-C12 ALIPHATICS	ND (9.6)	ND (9.9)	ND (9.5)	ND (8.6)	ND (8.3)	ND (10)	ND (11)	ND (8.2)	NT	ND (7.9)	ND (8.9)	NT	NT	NT	NT
C9-C12 ALIPHATICS	ND (9.6)	ND (9.9)	ND (9.5)	ND (8.6)	ND (8.3)	ND (10)	ND (11)	ND (8.2)	NT	ND (7.9)	ND (8.9)	NT	NT	NT	NT
C9-C10 AROMATICS	ND (9.6)	ND (9.9)	ND (9.5)	ND (8.6)	ND (8.3)	ND (10)	ND (11)	ND (8.2)	NT	ND (7.9)	ND (8.9)	NT	NT	NT	NT
BENZENE	0.10	0.058	0.15	ND (0.043)	ND (0.042)	ND (0.052)	ND (0.053)	ND (0.041)	NT	ND (0.040)	ND (0.044)	NT	NT	NT	NT
ETHYLBENZENE	ND (0.048)	ND (0.050)	ND (0.047)	ND (0.043)	ND (0.042)	ND (0.052)	ND (0.053)	ND (0.041)	NT	ND (0.040)	ND (0.044)	NT	NT	NT	NT
METHYL TERT-BUTYL ETHER (MTBE)	ND (0.048)	ND (0.050)	ND (0.047)	ND (0.043)	ND (0.042)	ND (0.052)	ND (0.053)	ND (0.041)	NT	ND (0.040)	ND (0.044)	NT	NT	NT	NT
NAPHTHALENE	ND (0.24)	ND (0.25)	ND (0.24)	ND (0.22)	ND (0.21)	ND (0.26)	ND (0.26)	ND (0.20)	NT	ND (0.20)	ND (0.22)	NT	NT	NT	NT
TOLUENE	0.60	0.32	0.23	0.14	ND (0.042)	0.25	0.087	ND (0.041)	NT	ND (0.040)	ND (0.044)	NT	NT	NT	NT
M/P-XYLENE	ND (0.096)	ND (0.099)	ND (0.095)	ND (0.086)	ND (0.083)	ND (0.10)	ND (0.11)	ND (0.082)	NT	ND (0.079)	ND (0.089)	NT	NT	NT	NT
O-XYLENE	ND (0.048)	ND (0.050)	ND (0.047)	ND (0.043)	ND (0.042)	ND (0.052)	ND (0.053)	ND (0.041)	NT	ND (0.040)	ND (0.044)	NT	NT	NT	NT

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS														
	BTM-GT-1	BTM-GT-2	ESW-GT-1	NSW-GT-1	NSW-GT-2	SSW-GT-1	SSW-GT-2	WSW-GT-2	SP-1	FO-1 (3')	SP-3	FO-1-TP (0-1')	FO-1-TP (1-2')	FO-1-TP (2-3')	FO-1
SM 2540G (% Wt)															
% Solids	85.8	90.3	88.1	88	89.1	89.5	90.6	88.9	80.2	95.5	94.4	85.4	85.5	85.9	72.0
SW-846 6010C/D (mg/Kg dry) Metals Digestion															
ANTIMONY	ND (2.9)	ND (2.7)	ND (2.8)	ND (2.6)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.7)	ND (3.1)	ND (2.6)	ND (2.4)	3.0	ND (2.9)	ND (2.9)	ND (3.4)
ARSENIC	7.4	ND (2.7)	14	9.8	6.0	3.1	5.7	4.4	***23***	15	8.8	19	14	18	ND (3.4)
BARIUM	34	27	43	*72*	42	27	31	28	*800*	32	50	*140*	*95*	*130*	36
BERYLLIUM	ND (0.29)	ND (0.27)	ND (0.28)	ND (0.26)	ND (0.28)	ND (0.28)	ND (0.28)	ND (0.27)	*14*	0.63	0.73	0.68	0.39	*1.9*	0.58
CADMIUM	0.36	0.34	1.0	0.81	0.61	ND (0.28)	0.60	0.33	*3.9*	0.51	0.44	1.4	0.98	1.3	ND (0.34)
CHROMIUM (as +3)	11	10	14	26	19	12	18	11	*160*	25	30	36	31	37	3.1
LEAD	100	41	**290**	**230**	64	58	59	40	***2400***	7	25	**340**	***1100***	**220**	8.5
NICKEL	11	8.9	23	22	14	9.0	18	8.8	*240*	20	18	*32*	22	29	8.9
SELENIUM	ND (5.9)	ND (5.4)	ND (5.6)	ND (5.3)	ND (5.6)	ND (5.6)	ND (5.5)	ND (5.5)	ND (6.2)	ND (5.2)	ND (4.8)	ND (5.7)	ND (5.9)	ND (5.7)	ND (6.8)
SILVER	ND (0.59)	ND (0.54)	ND (0.56)	ND (0.53)	ND (0.56)	ND (0.56)	ND (0.55)	ND (0.55)	ND (0.62)	ND (0.52)	ND (0.48)	ND (1.1)	ND (0.59)	ND (0.57)	ND (0.68)
THALLIUM	ND (2.9)	ND (2.7)	ND (2.8)	ND (2.6)	ND (2.8)	ND (2.8)	ND (2.8)	ND (2.7)	ND (3.1)	ND (2.6)	***9.8***	ND (2.8)	ND (2.9)	ND (2.9)	ND (3.4)
VANADIUM	27	14	*36*	*100*	*32*	14	*50*	15	***3500***	*32*	33	*160*	*96*	*140*	42
ZINC	37	43	210	140	89	42	79	35	***1100***	23	43	250	160	190	5.1
SW-846 7471B (mg/Kg dry) Metals Digestion															
MERCURY	0.14	0.095	0.63	*1.3*	0.25	0.10	0.51	0.099	0.43	ND (0.025)	0.050	0.68	0.93	0.84	ND (0.035)
SW-846 7196A (mg/Kg dry)															
CHROMIUM +6	NT	NT	NT	NT	NT	NT	NT	NT	ND (4.9)	NT	NT	NT	NT	NT	NT
SM2580 A (mV)															
OXIDATION/REDUCTION POTENTIAL	NT	NT	NT	NT	NT	NT	NT	NT	120	NT	NT	NT	NT	NT	NT
SW-846 9045C (pH Units)															
PH	NT	NT	NT	NT	NT	NT	NT	NT	7.4	NT	NT	NT	NT	NT	4.6
SW-846 6010C-D (mg/L) 1311 TCLP EXT															
CADMIUM	NT	NT	NT	NT	NT	NT	NT	NT	0.025	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	NT	0.78	NT	NT	NT	NT	NT	NT
SW-846 8082A (mg/Kg dry)															
PCB 1016	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1) *	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (12) *	ND (0.10)	ND (0.53)	ND (2.3) *	ND (2.3) *	ND (1.1) *	ND (0.14)
PCB 1221	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1) *	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (12) *	ND (0.10)	ND (0.53)	ND (2.3) *	ND (2.3) *	ND (1.1) *	ND (0.14)
PCB 1232	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1) *	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (12) *	ND (0.10)	ND (0.53)	ND (2.3) *	ND (2.3) *	ND (1.1) *	ND (0.14)
PCB 1242	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1) *	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (12) *	ND (0.10)	ND (0.53)	ND (2.3) *	ND (2.3) *	ND (1.1) *	ND (0.14)
PCB 1248	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1) *	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (12) *	ND (0.10)	ND (0.53)	ND (2.3) *	ND (2.3) *	ND (1.1) *	ND (0.14)
PCB 1254	ND (0.11)	ND (0.11)	ND (0.11)	**6.3**	**1.2**	ND (0.11)	0.35	0.16	**63**	ND (0.10)	**2.6**	**13**	**12**	**7.8**	0.45
PCB 1260	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1) *	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (12) *	ND (0.10)	ND (0.53)	ND (2.3) *	ND (2.3) *	ND (1.1) *	ND (0.14)
PCB 1262	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1) *	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (12) *	ND (0.10)	ND (0.53)	ND (2.3) *	ND (2.3) *	ND (1.1) *	ND (0.14)
PCB 1268	ND (0.11)	ND (0.11)	ND (0.11)	ND (1.1) *	ND (0.11)	ND (0.11)	ND (0.11)	ND (0.11)	ND (12) *	ND (0.10)	ND (0.53)	ND (2.3) *	ND (2.3) *	ND (1.1) *	ND (0.14)
TOTAL PCBs	ND (0.11)	ND (0.11)	ND (0.11)	**6.3**	**1.2**	ND (0.11)	0.35	0.16	**63**	ND (0.10)	**2.6**	**13**	**12**	**7.8**	0.45

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS														
	BTM-GT-1	BTM-GT-2	ESW-GT-1	NSW-GT-1	NSW-GT-2	SSW-GT-1	SSW-GT-2	WSW-GT-2	SP-1	FO-1 (3')	SP-3	FO-1-TP (0-1')	FO-1-TP (1-2')	FO-1-TP (2-3')	FO-1
SW-846 8081B (mg/Kg dry)															
ALDRIN	ND (0.0058)	ND (0.055)	ND (0.0056)	ND (0.11) *	ND (0.11) *	ND (0.0056)	ND (0.11) *	ND (0.0055)	ND (0.12) *	ND (0.0051)	ND (0.0053)	ND (0.11) *	ND (0.12) *	ND (0.11) *	ND (0.69) *
ALPHA-BHC	ND (0.0058)	ND (0.055)	ND (0.0056)	ND (0.11)	ND (0.11)	ND (0.0056)	ND (0.11)	ND (0.0055)	ND (0.12)	ND (0.0051)	ND (0.0053)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.69)
BETA-BHC	ND (0.0058)	ND (0.055)	ND (0.0056)	ND (0.11)	ND (0.11)	ND (0.0056)	ND (0.11)	ND (0.0055)	ND (0.12)	ND (0.0051)	ND (0.0053)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.69)
DELTA-BHC	ND (0.0058)	ND (0.055)	ND (0.0056)	ND (0.11)	ND (0.11)	ND (0.0056)	ND (0.11)	ND (0.0055)	ND (0.12)	ND (0.0051)	ND (0.0053)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.69)
GAMMA-BHC (LINDANE)	ND (0.0023)	ND (0.022) *	ND (0.0022)	ND (0.045) *	ND (0.044) *	ND (0.0022)	ND (0.043) *	ND (0.0022)	ND (0.049) *	ND (0.0021)	ND (0.0021)	ND (0.046) *	ND (0.046) *	ND (0.045) *	ND (0.28) *
CHLORDANE	ND (0.023)	ND (0.22)	ND (0.022)	ND (0.45)	ND (0.44)	ND (0.022)	ND (0.43)	0.045	ND (0.49)	ND (0.021)	ND (0.021)	ND (0.46)	ND (0.46)	ND (0.45)	ND (2.8)
4,4'-DDD	ND (0.0046)	ND (0.044)	ND (0.0045)	ND (0.090)	ND (0.088)	ND (0.0045)	ND (0.087)	ND (0.0044)	ND (0.099)	ND (0.0041)	ND (0.0042)	ND (0.092)	ND (0.093)	ND (0.090)	ND (0.56)
4,4'-DDE	ND (0.0046)	ND (0.044)	ND (0.0045)	ND (0.090)	ND (0.088)	ND (0.0045)	ND (0.087)	ND (0.0044)	ND (0.099)	ND (0.0041)	ND (0.0042)	ND (0.092)	0.093	ND (0.090)	ND (0.56)
4,4'-DDT	ND (0.0046)	ND (0.044)	ND (0.0045)	ND (0.090)	ND (0.088)	ND (0.0045)	ND (0.087)	ND (0.0044)	ND (0.099)	ND (0.0041)	0.019	0.15	0.13	0.13	ND (0.56)
DIELDRIN	ND (0.0046)	ND (0.044)	ND (0.0045)	**0.11**	ND (0.088) *	ND (0.0045)	ND (0.087) *	ND (0.0044)	ND (0.099) *	ND (0.0041)	ND (0.0042)	**0.16**	**0.19**	**0.16**	ND (0.56) *
ENDOSULFAN I	ND (0.0058)	ND (0.055)	ND (0.0056)	ND (0.11)	ND (0.11)	ND (0.0056)	ND (0.11)	ND (0.0055)	ND (0.12)	ND (0.0051)	ND (0.0053)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.69) *
ENDOSULFAN II	ND (0.0092)	ND (0.088)	ND (0.0089)	ND (0.18)	ND (0.18)	ND (0.0089)	ND (0.17)	ND (0.0088)	ND (0.20)	ND (0.0082)	ND (0.0085)	ND (0.18)	ND (0.19)	ND (0.18)	ND (1.1) *
ENDOSULFAN SULFATE	ND (0.0092)	ND (0.088)	ND (0.0089)	ND (0.18)	ND (0.18)	ND (0.0089)	ND (0.17)	ND (0.0088)	ND (0.20)	ND (0.0082)	ND (0.0085)	ND (0.18)	ND (0.19)	ND (0.18)	ND (1.1)
ENDRIN	ND (0.0092)	ND (0.088)	ND (0.0089)	ND (0.18)	ND (0.18)	ND (0.0089)	ND (0.17)	ND (0.0088)	ND (0.20)	ND (0.0082)	ND (0.0085)	ND (0.18)	ND (0.19)	ND (0.18)	ND (1.1)
ENDRIN KETONE	ND (0.0092)	ND (0.088)	ND (0.0089)	ND (0.18)	ND (0.18)	ND (0.0089)	ND (0.17)	ND (0.0088)	ND (0.20)	ND (0.0082)	ND (0.0085)	ND (0.18)	ND (0.19)	ND (0.18)	ND (1.1)
HEPTACHLOR	ND (0.0058)	ND (0.055)	ND (0.0056)	ND (0.11)	ND (0.11)	ND (0.0056)	ND (0.11)	ND (0.0055)	ND (0.12)	ND (0.0051)	ND (0.0053)	ND (0.11)	ND (0.12)	ND (0.11)	ND (0.69) *
HEPTACHLOR EPOXIDE	ND (0.0058)	ND (0.055)	ND (0.0056)	ND (0.11) *	ND (0.11) *	ND (0.0056)	ND (0.11) *	ND (0.0055)	**0.29**	ND (0.0051)	ND (0.0053)	ND (0.11) *	ND (0.12) *	ND (0.11) *	ND (0.69) *
HEXACHLOROBENZENE	ND (0.0069)	ND (0.066)	ND (0.0067)	ND (0.14)	ND (0.13)	ND (0.0067)	ND (0.13)	ND (0.0066)	ND (0.15)	ND (0.0062)	ND (0.0064)	ND (0.14)	ND (0.14)	ND (0.14)	ND (0.83) *
METHOXYCHLOR	ND (0.058)	ND (0.55)	ND (0.056)	ND (1.1)	ND (1.1)	ND (0.056)	ND (1.1)	ND (0.055)	ND (1.2)	ND (0.051)	ND (0.053)	ND (1.1)	ND (1.2)	ND (1.1)	ND (6.9)
SW-846 8081B (µg/L) 1311 TCLP EXT															
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	NT	ND (0.050)	NT	NT	NT	NT	NT	NT
SW-846 8151A (mg/kg dry)															
2,4-D	NT	NT	NT	NT	NT	NT	NT	NT	ND (0.31)	NT	ND (0.026)	NT	NT	NT	NT
2,4-DB	NT	NT	NT	NT	NT	NT	NT	NT	ND (0.31)	NT	ND (0.026)	NT	NT	NT	NT
2,4,5-TP (SILVEX)	NT	NT	NT	NT	NT	NT	NT	NT	ND (0.031)	NT	ND (0.026)	NT	NT	NT	NT
2,4,5-T	NT	NT	NT	NT	NT	NT	NT	NT	ND (0.031)	NT	ND (0.026)	NT	NT	NT	NT
DALAPON	NT	NT	NT	NT	NT	NT	NT	NT	ND (0.77)	NT	ND (0.066)	NT	NT	NT	NT
DICAMBA	NT	NT	NT	NT	NT	NT	NT	NT	ND (0.031)	NT	ND (0.0026)	NT	NT	NT	NT
DICHLOROPROP	NT	NT	NT	NT	NT	NT	NT	NT	ND (0.31)	NT	ND (0.026)	NT	NT	NT	NT
DINOSEB	NT	NT	NT	NT	NT	NT	NT	NT	ND (0.15)	NT	ND (0.013)	NT	NT	NT	NT
MCPA	NT	NT	NT	NT	NT	NT	NT	NT	ND (31)	NT	ND (2.6)	NT	NT	NT	NT
MCPP	NT	NT	NT	NT	NT	NT	NT	NT	ND (31)	NT	ND (2.6)	NT	NT	NT	NT

NOTES:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regul. criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards (exclusive of S-x/GW-1).
6. Italic values exceed MassDEP published background conc. for soils assoc. with fill containing coal ash or wood ash.

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS													
	FO-1-BTM	**B-14 (10-15)**	**B-14A (0-5)**	**B-14A (5-10)**	**B-14A (10-15)**	**B-14A (10-15)**	**B-14A (15-16.5)**	**B-15 (0-5)**	**B-15 (5-10)**	**B-16 (0-5)**	**B-16 (5-10)**	**B-16 (10-15)**	**B-17 (5-7.5)**	**B-18 (0-5)**
Sampling Date	3/10/2016	9/15/2016	9/16/2016	9/16/2016	9/16/2016	9/16/2016	9/16/2016	9/15/2016	9/15/2016	9/15/2016	9/15/2016	9/15/2016	9/15/2016	9/15/2016
Sample Depth During Investigative Event	Vault bottom (5.5 feet below grade)	10-15 Feet	0-5 Feet	5-10 Feet	10-15 Feet	10-15 Feet	15-16.5 Feet	0-5 Feet	5-10 Feet	0-5 Feet	5-10 Feet	10-15 Feet	5-7.5 Feet	0-5 Feet
Sample Depth Relative to October 1, 2016	2.5 Feet	10-15 Feet	0-5 Feet	5-10 Feet	10-15 Feet	10-15 Feet	15-16.5 Feet	0-5 Feet	5-10 Feet	0-5 Feet	5-10 Feet	10-15 Feet	5-7.5 Feet	0-5 Feet
NOTES:	8													
MADEP-EPH-04-1.1 (mg/Kg dry)														
C9-C18 ALIPHATICS	NT	NT	**2400**	**1300**	**8300**	NT	220	NT	140	NT	NT	150	85	NT
C19-C36 ALIPHATICS	NT	NT	**3400**	2100	**11000**	NT	420	NT	**4700**	NT	NT	380	670	NT
UNADJUSTED C11-C22 AROMATICS	NT	NT	7300	2600	15000	NT	1600	NT	3700	NT	NT	850	660	NT
C11-C22 AROMATICS	NT	NT	**7200**	**2500**	**15000**	NT	**1600**	NT	**3700**	NT	NT	850	650	NT
ACENAPHTHENE	NT	NT	ND (2.9)	ND (0.56)	ND (2.4)	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
ACENAPHTHYLENE	NT	NT	ND (2.9) *	ND (0.56)	ND (2.4) *	NT	ND (1.3) *	NT	ND (1.1) *	NT	NT	ND (0.20)	ND (0.21)	NT
ANTHRACENE	NT	NT	ND (2.9)	1.4	*11*	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
BENZO(A)ANTHRACENE	NT	NT	ND (2.9)	ND (0.56)	ND (2.4)	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
BENZO(A)PYRENE	NT	NT	ND (2.9) *	ND (0.56)	ND (2.4) *	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
BENZO(B)FLUORANTHENE	NT	NT	ND (2.9)	ND (0.56)	ND (2.4)	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
BENZO(G,H,I)PERYLENE	NT	NT	ND (2.9)	ND (0.56)	ND (2.4)	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
BENZO(K)FLUORANTHENE	NT	NT	ND (2.9)	ND (0.56)	ND (2.4)	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
CHRYSENE	NT	NT	ND (2.9)	ND (0.56)	ND (2.4)	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
DIBENZ(A,H)ANTHRACENE	NT	NT	ND (2.9) *	ND (0.56)	ND (2.4) *	NT	ND (1.3) *	NT	ND (1.1) *	NT	NT	ND (0.20)	ND (0.21)	NT
FLUORANTHENE	NT	NT	*12*	4.6	*22*	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
FLUORENE	NT	NT	ND (2.9)	*3.1*	*29*	NT	*4.9*	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
INDENO(1,2,3-CD)PYRENE	NT	NT	ND (2.9)	ND (0.56)	ND (2.4)	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
2-METHYLNAPHTHALENE	NT	NT	***12***	***5.7***	***65***	NT	***1.9***	NT	ND (1.1) *	NT	NT	ND (0.20)	ND (0.21)	NT
NAPHTHALENE	NT	NT	ND (2.9)	*3.1*	***27***	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
PHENANTHRENE	NT	NT	**12**	4.0	***35***	NT	4.6	NT	ND (1.1)	NT	NT	ND (0.20)	0.63	NT
PYRENE	NT	NT	7.1	1.7	12	NT	ND (1.3)	NT	ND (1.1)	NT	NT	ND (0.20)	ND (0.21)	NT
BIS(2-ETHYLHEXYL)PHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DIBENZOFURAN (see notes 7, 9)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DI-N-BUTYLPHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MADEP-VPH-04-1.1 (mg/Kg dry)														
UNADJUSTED C5-C8 ALIPHATICS	ND (8.3)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C5-C8 ALIPHATICS	ND (8.3)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
UNADJUSTED C9-C12 ALIPHATICS	ND (8.3)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C12 ALIPHATICS	ND (8.3)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C10 AROMATICS	ND (8.3)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BENZENE	ND (0.042)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ETHYLBENZENE	ND (0.042)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METHYL TERT-BUTYL ETHER (MTBE)	ND (0.042)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NAPHTHALENE	ND (0.21)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TOLUENE	ND (0.042)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
M/P-XYLENE	ND (0.083)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
O-XYLENE	ND (0.042)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS													
	FO-1-BTM	B-14 (10-15)	B-14A (0-5)	B-14A (5-10)	B-14A (10-15)	B-14A (10-15)	B-14A (15-16.5)	B-15 (0-5)	B-15 (5-10)	B-16 (0-5)	B-16 (5-10)	B-16 (10-15)	B-17 (5-7.5)	B-18 (0-5)
SM 2540G (% Wt)														
% Solids	91.9	NT	68.0	88.8	81.7	NT	75.4	91.1	92.3	92.5	NT	95.3	91.4	91.4
SW-846 6010C/D (mg/Kg dry) Metals Digestion														
ANTIMONY	ND (2.5)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ARSENIC	7.0	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BARIUM	30	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BERYLLIUM	ND (0.25)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CADMIUM	0.26	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CHROMIUM (as +3)	20	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	6.3	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NICKEL	14	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SELENIUM	ND (5.0)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SILVER	ND (0.50)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
THALLIUM	ND (2.5)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
VANADIUM	29	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ZINC	29	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 7471B (mg/Kg dry) Metals Digestion														
MERCURY	ND (0.026)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 7196A (mg/Kg dry)														
CHROMIUM +6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SM2580 A (mV)														
OXIDATION/REDUCTION POTENTIAL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 9045C (pH Units)														
PH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 6010C-D (mg/L) 1311 TCLP EXT														
CADMIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8082A (mg/Kg dry)														
PCB 1016	ND (0.11)	NT	ND (0.15)	ND (0.11)	ND (0.12)	NT	ND (0.13)	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT	ND (5.5) *
PCB 1221	ND (0.11)	NT	ND (0.15)	ND (0.11)	ND (0.12)	NT	ND (0.13)	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT	ND (5.5) *
PCB 1232	ND (0.11)	NT	ND (0.15)	ND (0.11)	ND (0.12)	NT	ND (0.13)	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT	ND (5.5) *
PCB 1242	ND (0.11)	NT	ND (0.15)	ND (0.11)	ND (0.12)	NT	ND (0.13)	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT	ND (5.5) *
PCB 1248	ND (0.11)	NT	ND (0.15)	ND (0.11)	ND (0.12)	NT	ND (0.13)	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT	ND (5.5) *
PCB 1254	ND (0.11)	NT	ND (0.15)	0.14	0.14	NT	ND (0.13)	**12**	0.30	0.90	NT	NT	NT	**29**
PCB 1260	ND (0.11)	NT	ND (0.15)	ND (0.11)	ND (0.12)	NT	ND (0.13)	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT	ND (5.5) *
PCB 1262	ND (0.11)	NT	ND (0.15)	ND (0.11)	ND (0.12)	NT	ND (0.13)	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT	ND (5.5) *
PCB 1268	ND (0.11)	NT	ND (0.15)	ND (0.11)	ND (0.12)	NT	ND (0.13)	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT	ND (5.5) *
TOTAL PCBs	ND (0.11)	NT	ND (0.15)	0.14	0.14	NT	ND (0.13)	**12**	0.30	0.90	NT	NT	NT	**29**

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS													
	FO-1-BTM	B-14 (10-15)	B-14A (0-5)	B-14A (5-10)	B-14A (10-15)	B-14A (10-15)	B-14A (15-16.5)	B-15 (0-5)	B-15 (5-10)	B-16 (0-5)	B-16 (5-10)	B-16 (10-15)	B-17 (5-7.5)	B-18 (0-5)
SW-846 8081B (mg/Kg dry)														
ALDRIN	ND (0.0054)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ALPHA-BHC	ND (0.0054)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BETA-BHC	ND (0.0054)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DELTA-BHC	ND (0.0054)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
GAMMA-BHC (LINDANE)	ND (0.0022)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CHLORDANE	ND (0.022)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDD	ND (0.0043)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDE	ND (0.0043)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDT	ND (0.0043)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DIELDRIN	ND (0.0043)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN I	ND (0.0054)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN II	ND (0.0086)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN SULFATE	ND (0.0086)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDRIN	ND (0.0086)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDRIN KETONE	ND (0.0086)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEPTACHLOR	ND (0.0054)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEPTACHLOR EPOXIDE	ND (0.0054)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEXACHLOROBENZENE	ND (0.0065)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METHOXYCHLOR	ND (0.054)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8081B (µg/L) 1311 TCLP EXT														
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8151A (mg/kg dry)														
2,4-D	ND (0.027)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-DB	ND (0.027)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-TP (SILVEX)	ND (0.0027)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-T	ND (0.0027)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DALAPON	ND (0.068)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DICAMBA	ND (0.0027)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DICHLOROPROP	ND (0.027)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DINOSEB	ND (0.014)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPA	ND (2.7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	ND (2.7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTES:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regul. criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards (exclusive of S-x/GW-1).
6. Italic values exceed MassDEP published background conc. for soils assoc. with fill containing coal ash or wood ash.

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS													
	B-18 (5-10)	**B-18 (10-15)**	**B-19 (0-5)**	**B-19 (5-10)**	**B-19 (10-15)**	**B-19 (15-17)**	**B-20 (0-5)**	**B-20 (5-8)**	**B-21 (0-5)**	**B-21 (5-10)**	**B-21 (10-13.5)**	**B-22 (10-15)**	**B-22 (15-20)**	**B-23 (5-9)**
Sampling Date	9/15/2016	9/15/2016	9/15/2016	9/15/2016	9/15/2016	9/15/2016	9/16/2016	9/16/2016	9/16/2016	9/16/2016	9/16/2016	9/16/2016	9/16/2016	9/16/2016
Sample Depth During Investigative Event	5-10 Feet	10-15 Feet	0-5 Feet	5-10 Feet	10-15 Feet	15-17 Feet	0-5 Feet	5-8 Feet	0-5 Feet	5-10 Feet	10-13.5 Feet	10-15 Feet	15-20 Feet	5-9 Feet
Sample Depth Relative to October 1, 2016	5-10 Feet	10-15 Feet	0-5 Feet	5-10 Feet	10-15 Feet	15-17 Feet	0-5 Feet	5-8 Feet	0-5 Feet	5-10 Feet	10-13.5 Feet	10-15 Feet	15-20 Feet	5-9 Feet
NOTES:	14			14	14									
MADEP-EPH-04-1.1 (mg/Kg dry)														
C9-C18 ALIPHATICS	28	59	NT	20	110	200	NT	ND (11)	28	860	110	63	ND (11)	ND (11)
C19-C36 ALIPHATICS	33	310	NT	70	370	730	NT	32	180	1200	500	330	ND (11)	18
UNADJUSTED C11-C22 AROMATICS	92	530	NT	300	570	1600	NT	69	490	2400	1000	560	ND (11)	64
C11-C22 AROMATICS	90	530	NT	220	570	**1600**	NT	67	390	**2400**	1000	560	ND (11)	48
ACENAPHTHENE	ND (0.12)	ND (0.52)	NT	1.3	ND (0.53)	ND (0.53)	NT	ND (0.11)	1.6	ND (0.52)	ND (0.55)	ND (0.24)	ND (0.11)	0.32
ACENAPHTHYLENE	ND (0.12)	ND (0.52)	NT	ND (0.11)	ND (0.53)	ND (0.53)	NT	ND (0.11)	ND (0.22)	ND (0.52)	ND (0.55)	ND (0.24)	ND (0.11)	ND (0.11)
ANTHRACENE	ND (0.12)	ND (0.52)	NT	2.5	ND (0.53)	ND (0.53)	NT	ND (0.11)	3.0	ND (0.52)	ND (0.55)	0.28	ND (0.11)	0.32
BENZO(A)ANTHRACENE	ND (0.12)	ND (0.52)	NT	6.0	ND (0.53)	ND (0.53)	NT	0.14	6.7	ND (0.52)	ND (0.55)	0.53	ND (0.11)	1.2
BENZO(A)PYRENE	ND (0.12)	ND (0.52)	NT	**5.1**	ND (0.53)	ND (0.53)	NT	0.12	**6.3**	ND (0.52)	ND (0.55)	0.64	ND (0.11)	1.3
BENZO(B)FLUORANTHENE	0.15	ND (0.52)	NT	7.0	ND (0.53)	ND (0.53)	NT	0.23	***8.4***	ND (0.52)	ND (0.55)	0.85	ND (0.11)	1.6
BENZO(G,H,I)PERYLENE	ND (0.12)	ND (0.52)	NT	2.7	ND (0.53)	ND (0.53)	NT	0.13	*3.2*	ND (0.52)	ND (0.55)	ND (0.24)	ND (0.11)	0.82
BENZO(K)FLUORANTHENE	ND (0.12)	ND (0.52)	NT	2.6	ND (0.53)	ND (0.53)	NT	ND (0.11)	3.2	ND (0.52)	ND (0.55)	ND (0.24)	ND (0.11)	0.57
CHRYSENE	0.25	ND (0.52)	NT	6.7	ND (0.53)	ND (0.53)	NT	0.28	*7.9*	ND (0.52)	ND (0.55)	0.74	ND (0.11)	1.3
DIBENZ(A,H)ANTHRACENE	ND (0.12)	ND (0.52)	NT	**0.90**	ND (0.53)	ND (0.53)	NT	ND (0.11)	***1.2***	ND (0.52)	ND (0.55)	ND (0.24)	ND (0.11)	0.19
FLUORANTHENE	0.15	ND (0.52)	NT	*14*	ND (0.53)	ND (0.53)	NT	0.30	*18*	1.8	ND (0.55)	1.8	ND (0.11)	2.8
FLUORENE	0.13	ND (0.52)	NT	1.3	ND (0.53)	ND (0.53)	NT	ND (0.11)	1.7	1.5	ND (0.55)	ND (0.24)	ND (0.11)	0.15
INDENO(1,2,3-CD)PYRENE	ND (0.12)	ND (0.52)	NT	*3.3*	ND (0.53)	ND (0.53)	NT	ND (0.11)	*3.9*	ND (0.52)	ND (0.55)	ND (0.24)	ND (0.11)	0.79
2-METHYLNAPHTHALENE	0.16	ND (0.52)	NT	**0.99**	ND (0.53)	ND (0.53)	NT	ND (0.11)	0.39	ND (0.52)	ND (0.55)	ND (0.24)	ND (0.11)	ND (0.11)
NAPHTHALENE	0.31	ND (0.52)	NT	0.44	ND (0.53)	ND (0.53)	NT	ND (0.11)	0.41	ND (0.52)	ND (0.55)	ND (0.24)	ND (0.11)	0.18
PHENANTHRENE	0.49	ND (0.52)	NT	**11**	ND (0.53)	ND (0.53)	NT	0.37	**14**	3.3	ND (0.55)	0.41	ND (0.11)	1.9
PYRENE	0.18	ND (0.52)	NT	13	ND (0.53)	ND (0.53)	NT	0.37	17	ND (0.52)	ND (0.55)	1.7	ND (0.11)	2.7
BIS(2-ETHYLHEXYL)PHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DIBENZOFURAN (see notes 7, 9)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DI-N-BUTYLPHTHALATE (see note 7)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MADEP-VPH-04-1.1 (mg/Kg dry)														
UNADJUSTED C5-C8 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C5-C8 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
UNADJUSTED C9-C12 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C12 ALIPHATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
C9-C10 AROMATICS	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ETHYLBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METHYL TERT-BUTYL ETHER (MTBE)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NAPHTHALENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TOLUENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
M/P-XYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
O-XYLENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS													
	B-18 (5-10)	B-18 (10-15)	B-19 (0-5)	B-19 (5-10)	B-19 (10-15)	B-19 (15-17)	B-20 (0-5)	B-20 (5-8)	B-21 (0-5)	B-21 (5-10)	B-21 (10-13.5)	B-22 (10-15)	B-22 (15-20)	B-23 (5-9)
SM 2540G (% Wt)														
% Solids	86.9	95.1	90.1	94.3	93.9	92.5	88.1	86.2	91.0	94.0	89.3	81.6	91.6	89.3
SW-846 6010C/D (mg/Kg dry) Metals Digestion														
ANTIMONY	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ARSENIC	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BARIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BERYLLIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CADMIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CHROMIUM (as +3)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
NICKEL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SELENIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SILVER	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
THALLIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
VANADIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ZINC	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 7471B (mg/Kg dry) Metals Digestion														
MERCURY	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 7196A (mg/Kg dry)														
CHROMIUM +6	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SM2580 A (mV)														
OXIDATION/REDUCTION POTENTIAL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 9045C (pH Units)														
PH	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 6010C-D (mg/L) 1311 TCLP EXT														
CADMIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8082A (mg/Kg dry)														
PCB 1016	ND (0.12)	ND (0.10)	ND (1.1) *	ND (0.42)	ND (0.11)	NT	ND (0.11)	NT	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT
PCB 1221	ND (0.12)	ND (0.10)	ND (1.1) *	ND (0.42)	ND (0.11)	NT	ND (0.11)	NT	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT
PCB 1232	ND (0.12)	ND (0.10)	ND (1.1) *	ND (0.42)	ND (0.11)	NT	ND (0.11)	NT	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT
PCB 1242	ND (0.12)	ND (0.10)	ND (1.1) *	ND (0.42)	ND (0.11)	NT	ND (0.11)	NT	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT
PCB 1248	ND (0.12)	ND (0.10)	ND (1.1) *	ND (0.42)	ND (0.11)	NT	ND (0.11)	NT	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT
PCB 1254	ND (0.12)	ND (0.10)	**6.7**	**2.1**	ND (0.11)	NT	ND (0.11)	NT	**11**	0.63	ND (0.11)	NT	NT	NT
PCB 1260	ND (0.12)	ND (0.10)	ND (1.1) *	ND (0.42)	ND (0.11)	NT	ND (0.11)	NT	ND (2.2) *	0.12	ND (0.11)	NT	NT	NT
PCB 1262	ND (0.12)	ND (0.10)	ND (1.1) *	ND (0.42)	ND (0.11)	NT	ND (0.11)	NT	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT
PCB 1268	ND (0.12)	ND (0.10)	ND (1.1) *	ND (0.42)	ND (0.11)	NT	ND (0.11)	NT	ND (2.2) *	ND (0.11)	ND (0.11)	NT	NT	NT
TOTAL PCBs	ND (0.12)	ND (0.10)	**6.7**	**2.1**	ND (0.11)	NT	ND (0.11)	NT	**11**	0.75	ND (0.11)	NT	NT	NT

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS													
	B-18 (5-10)	B-18 (10-15)	B-19 (0-5)	B-19 (5-10)	B-19 (10-15)	B-19 (15-17)	B-20 (0-5)	B-20 (5-8)	B-21 (0-5)	B-21 (5-10)	B-21 (10-13.5)	B-22 (10-15)	B-22 (15-20)	B-23 (5-9)
SW-846 8081B (mg/Kg dry)														
ALDRIN	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ALPHA-BHC	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
BETA-BHC	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DELTA-BHC	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
GAMMA-BHC (LINDANE)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
CHLORDANE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDD	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
4,4'-DDT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DIELDRIN	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN I	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN II	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDOSULFAN SULFATE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDRIN	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
ENDRIN KETONE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEPTACHLOR EPOXIDE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
HEXACHLOROBENZENE	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
METHOXYCHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8081B (µg/L) 1311 TCLP EXT														
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8151A (mg/kg dry)														
2,4-D	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4-DB	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-TP (SILVEX)	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
2,4,5-T	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DALAPON	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DICAMBA	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DICHLOROPROP	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DINOSEB	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPA	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

NOTES:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regul. criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards (exclusive of S-x/GW-1).
6. Italic values exceed MassDEP published background conc. for soils assoc. with fill containing coal ash or wood ash.

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS		
	B-26 (10-13)	B-27 (5-10)	B-28 (10-15)
Sampling Date	9/16/2016	9/16/2016	9/16/2016
Sample Depth During Investigative Event	10-13 Feet	5-10 Feet	10-15 Feet
Sample Depth Relative to October 1, 2016	10-13 Feet	5-10 Feet	10-15 Feet
NOTES:			
MADEP-EPH-04-1.1 (mg/Kg dry)			
C9-C18 ALIPHATICS	NT	NT	NT
C19-C36 ALIPHATICS	NT	NT	NT
UNADJUSTED C11-C22 AROMATICS	NT	NT	NT
C11-C22 AROMATICS	NT	NT	NT
ACENAPHTHENE	NT	NT	NT
ACENAPHTHYLENE	NT	NT	NT
ANTHRACENE	NT	NT	NT
BENZO(A)ANTHRACENE	NT	NT	NT
BENZO(A)PYRENE	NT	NT	NT
BENZO(B)FLUORANTHENE	NT	NT	NT
BENZO(G,H,I)PERYLENE	NT	NT	NT
BENZO(K)FLUORANTHENE	NT	NT	NT
CHRYSENE	NT	NT	NT
DIBENZ(A,H)ANTHRACENE	NT	NT	NT
FLUORANTHENE	NT	NT	NT
FLUORENE	NT	NT	NT
INDENO(1,2,3-CD)PYRENE	NT	NT	NT
2-METHYLNAPHTHALENE	NT	NT	NT
NAPHTHALENE	NT	NT	NT
PHENANTHRENE	NT	NT	NT
PYRENE	NT	NT	NT
BIS(2-ETHYLHEXYL)PHTHALATE (see note 7)	NT	NT	NT
DIBENZOFURAN (see notes 7, 9)	NT	NT	NT
DI-N-BUTYLPHTHALATE (see note 7)	NT	NT	NT
MADEP-VPH-04-1.1 (mg/Kg dry)			
UNADJUSTED C5-C8 ALIPHATICS	NT	NT	NT
C5-C8 ALIPHATICS	NT	NT	NT
UNADJUSTED C9-C12 ALIPHATICS	NT	NT	NT
C9-C12 ALIPHATICS	NT	NT	NT
C9-C10 AROMATICS	NT	NT	NT
BENZENE	NT	NT	NT
ETHYLBENZENE	NT	NT	NT
METHYL TERT-BUTYL ETHER (MTBE)	NT	NT	NT
NAPHTHALENE	NT	NT	NT
TOLUENE	NT	NT	NT
M/P-XYLENE	NT	NT	NT
O-XYLENE	NT	NT	NT

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS		
	B-26 (10-13)	B-27 (5-10)	B-28 (10-15)
SM 2540G (% Wt)			
% Solids	NT	NT	NT
SW-846 6010C/D (mg/Kg dry) Metals Digestion			
ANTIMONY	NT	NT	NT
ARSENIC	NT	NT	NT
BARIUM	NT	NT	NT
BERYLLIUM	NT	NT	NT
CADMIUM	NT	NT	NT
CHROMIUM (as +3)	NT	NT	NT
LEAD	NT	NT	NT
NICKEL	NT	NT	NT
SELENIUM	NT	NT	NT
SILVER	NT	NT	NT
THALLIUM	NT	NT	NT
VANADIUM	NT	NT	NT
ZINC	NT	NT	NT
SW-846 7471B (mg/Kg dry) Metals Digestion			
MERCURY	NT	NT	NT
SW-846 7196A (mg/Kg dry)			
CHROMIUM +6	NT	NT	NT
SM2580 A (mV)			
OXIDATION/REDUCTION POTENTIAL	NT	NT	NT
SW-846 9045C (pH Units)			
PH	NT	NT	NT
SW-846 6010C-D (mg/L) 1311 TCLP EXT			
CADMIUM	NT	NT	NT
LEAD	NT	NT	NT
SW-846 8082A (mg/Kg dry)			
PCB 1016	NT	NT	NT
PCB 1221	NT	NT	NT
PCB 1232	NT	NT	NT
PCB 1242	NT	NT	NT
PCB 1248	NT	NT	NT
PCB 1254	NT	NT	NT
PCB 1260	NT	NT	NT
PCB 1262	NT	NT	NT
PCB 1268	NT	NT	NT
TOTAL PCBs	NT	NT	NT

Table 1
Summary of Soil Analytical Data: 0-20 Foot Interval Soils in Courtyard

Parameter	SAMPLING LOCATIONS		
	B-26 (10-13)	B-27 (5-10)	B-28 (10-15)
SW-846 8081B (mg/Kg dry)			
ALDRIN	NT	NT	NT
ALPHA-BHC	NT	NT	NT
BETA-BHC	NT	NT	NT
DELTA-BHC	NT	NT	NT
GAMMA-BHC (LINDANE)	NT	NT	NT
CHLORDANE	NT	NT	NT
4,4'-DDD	NT	NT	NT
4,4'-DDE	NT	NT	NT
4,4'-DDT	NT	NT	NT
DIELDRIN	NT	NT	NT
ENDOSULFAN I	NT	NT	NT
ENDOSULFAN II	NT	NT	NT
ENDOSULFAN SULFATE	NT	NT	NT
ENDRIN	NT	NT	NT
ENDRIN KETONE	NT	NT	NT
HEPTACHLOR	NT	NT	NT
HEPTACHLOR EPOXIDE	NT	NT	NT
HEXACHLOROBENZENE	NT	NT	NT
METHOXYCHLOR	NT	NT	NT
SW-846 8081B (µg/L) 1311 TCLP EXT			
HEPTACHLOR	NT	NT	NT
SW-846 8151A (mg/kg dry)			
2,4-D	NT	NT	NT
2,4-DB	NT	NT	NT
2,4,5-TP (SILVEX)	NT	NT	NT
2,4,5-T	NT	NT	NT
DALAPON	NT	NT	NT
DICAMBA	NT	NT	NT
DICHLOROPROP	NT	NT	NT
DINOSEB	NT	NT	NT
MCPA	NT	NT	NT
MCPP	NT	NT	NT
NOTES:			
1. An asterisk (*) following a detection limit			
indicates that the minimum laboratory reporting			
limit exceeds one or more of the regul. criteria.			
2. ND = Not detected above the lab reporting			
limits shown in parenthesis.			
3. NT = Not tested.			
4. ~ = No Method 1 Standard or UCL available			
5. Bolded values exceed the Method 1 Cleanup			
Standards (exclusive of S-x/GW-1).			
6. Italic values exceed MassDEP published			
background conc. for soils assoc. with fill			
containing coal ash or wood ash.			

Table 2
Summary of Groundwater Analytical Data: Courtyard

Parameter	Reportable Concentrations (RCs)		MCP - Method 1 Cleanup Standards			Upper Concentration Limits	SAMPLING LOCATION		
	RCGW-1	RCGW-2	GW-1	GW-2	GW-3	UCL	GEC-1	GEC-2	GEC-3
Sampling Date							8/18/2015	8/18/2015	8/18/2015
MADEP-EPH-04-1.1 (µg/L)									
C9-C18 ALIPHATICS	700	5000	700	5000	50000	100000	**6300**	ND (100)	120
C19-C36 ALIPHATICS	14000	50000	14000	~	50000	100000	13000	ND (100)	ND (100)
UNADJUSTED C11-C22 AROMATICS	~	~	~	~	~	~	26000	150	520
C11-C22 AROMATICS	200	5000	200	50000	5000	100000	**26000**	140	520
ACENAPHTHENE	20	6000	20	~	10000	100000	ND (2.0)	ND (2.0)	ND (2.0)
ACENAPHTHYLENE	30	40	30	10000	40	100000	ND (2.0)	ND (2.0)	ND (2.0)
ANTHRACENE	30	30	60	~	30	600	18	ND (2.0)	ND (2.0)
BENZO(A)ANTHRACENE	1	1000	1	~	1000	10000	ND (2.0) *	ND (2.0) *	ND (2.0) *
BENZO(A)PYRENE	0.2	500	0.2	~	500	5000	ND (2.0) *	ND (2.0) *	ND (2.0) *
BENZO(B)FLUORANTHENE	1	400	1	~	400	4000	ND (2.0) *	ND (2.0) *	ND (2.0) *
BENZO(G,H,I)PERYLENE	20	20	50	~	20	500	ND (2.0)	ND (2.0)	ND (2.0)
BENZO(K)FLUORANTHENE	1	100	1	~	100	1000	ND (2.0) *	ND (2.0) *	ND (2.0) *
CHRYSENE	2	70	2	~	70	700	ND (2.0)	ND (2.0)	ND (2.0)
DIBENZ(A,H)ANTHRACENE	0.5	40	0.5	~	40	400	ND (2.0) *	ND (2.0) *	ND (2.0) *
FLUORANTHENE	90	200	90	~	200	2000	32	2.9	ND (2.0)
FLUORENE	30	40	30	~	40	400	31	2.5	ND (2.0)
INDENO(1,2,3-CD)PYRENE	0.5	100	0.5	~	100	1000	ND (2.0) *	ND (2.0) *	ND (2.0) *
2-METHYLNAPHTHALENE	10	2000	10	2000	20000	100000	2.8	ND (2.0)	ND (2.0)
NAPHTHALENE	140	700	140	700	20000	100000	14	ND (2.0)	ND (2.0)
PHENANTHRENE	40	10000	40	~	10000	100000	63	3.2	ND (2.0)
PYRENE	20	20	60	~	20	600	18	2.7	ND (2.0)
MADEP-VPH-04-1.1 (µg/L)									
UNADJUSTED C5-C8 ALIPHATICS	~	~	~	~	~	~	NT	NT	ND (100)
C5-C8 ALIPHATICS	300	3000	300	3000	50000	100000	NT	NT	ND (100)
UNADJUSTED C9-C12 ALIPHATICS	~	~	~	~	~	~	NT	NT	ND (100)
C9-C12 ALIPHATICS	700	5000	700	5000	50000	100000	NT	NT	ND (100)
C9-C10 AROMATICS	200	4000	200	4000	50000	100000	NT	NT	ND (100)
BENZENE	5	1000	5	1000	10000	100000	NT	NT	ND (1.0)
ETHYLBENZENE	700	5000	700	20000	5000	100000	NT	NT	ND (1.0)
METHYL TERT-BUTYL ETHER (MTBE)	70	5000	70	50000	50000	100000	NT	NT	ND (1.0)
NAPHTHALENE	140	700	140	700	20000	100000	NT	NT	ND (5.0)
TOLUENE	1000	40000	1000	50000	40000	100000	NT	NT	ND (1.0)
M/P-XYLENE	3000	3000	10000	3000	5000	100000	NT	NT	ND (2.0)
O-XYLENE	3000	3000	10000	3000	5000	100000	NT	NT	ND (1.0)

NOTES:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regul. criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards.

Table 3
Summary of Soil Analytical Data: Soils Beneath Picker Building Basement Floor

Parameter	Reportable Concentrations (RCs)		MCP - Method 1 Cleanup Standards									Upper Concentration Limits
	RCS-1	RCS-2	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3	UCL
Sampling Date												
Sample Depth												
MADEP-EPH-04-1.1 (mg/Kg dry)												
C9-C18 ALIPHATICS	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	20000
C19-C36 ALIPHATICS	3000	5000	3000	3000	3000	5000	5000	5000	5000	5000	5000	20000
UNADJUSTED C11-C22 AROMATICS	~	~	~	~	~	~	~	~	~	~	~	~
C11-C22 AROMATICS	1000	3000	1000	1000	1000	1000	3000	3000	1000	5000	5000	10000
ACENAPHTHENE	4	3000	4	1000	1000	4	3000	3000	4	5000	5000	10000
ACENAPHTHYLENE	1	10	1	600	10	1	600	10	1	600	10	10000
ANTHRACENE	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
BENZO(A)ANTHRACENE	7	40	7	7	7	40	40	40	300	300	300	3000
BENZO(A)PYRENE	2	7	2	2	2	7	7	7	30	30	30	300
BENZO(B)FLUORANTHENE	7	40	7	7	7	40	40	40	300	300	300	3000
BENZO(G,H,I)PERYLENE	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
BENZO(K)FLUORANTHENE	70	400	70	70	70	400	400	400	3000	3000	3000	10000
CHRYSENE	70	400	70	70	70	400	400	400	3000	3000	3000	10000
DIBENZ(A,H)ANTHRACENE	0.7	4	0.7	0.7	0.7	4	4	4	30	30	30	300
FLUORANTHENE	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
FLUORENE	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
INDENO(1,2,3-CD)PYRENE	7	40	7	7	7	40	40	40	300	300	300	3000
2-METHYLNAPHTHALENE	0.7	80	0.7	80	300	1	80	500	1	80	500	5000
NAPHTHALENE	4	20	4	20	500	4	20	1000	4	20	3000	10000
PHENANTHRENE	10	1000	10	500	500	20	1000	1000	20	3000	3000	10000
PYRENE	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000
MADEP-VPH-04-1.1 (mg/Kg dry)												
UNADJUSTED C5-C8 ALIPHATICS	~	~	~	~	~	~	~	~	~	~	~	~
C5-C8 ALIPHATICS	100	500	100	100	100	500	500	500	500	500	500	5000
UNADJUSTED C9-C12 ALIPHATICS	~	~	~	~	~	~	~	~	~	~	~	~
C9-C12 ALIPHATICS	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	20000
C9-C10 AROMATICS	100	500	100	100	100	300	500	500	300	500	500	5000
BENZENE	2	200	2	40	40	2	200	200	2	400	1000	10000
ETHYLBENZENE	40	1000	40	500	500	40	1000	1000	40	1000	3000	10000
METHYL TERT-BUTYL ETHER (MTBE)	0.1	100	0.1	100	100	0.1	100	500	0.1	100	500	5000
NAPHTHALENE	4	20	4	20	500	4	20	1000	4	20	3000	10000
TOLUENE	30	1000	30	500	500	30	1000	1000	30	2000	3000	10000
M/P-XYLENE	100	100	400	100	500	400	100	1000	400	100	3000	10000
O-XYLENE	100	100	400	100	500	400	100	1000	400	100	3000	10000
SM 2540G (% Wt)												
% Solids	~	~	~	~	~	~	~	~	~	~	~	~
SW-846 8015C (mg/Kg dry)												
FUEL OIL #6	~	~	~	~	~	~	~	~	~	~	~	~
NOTES:												
1. *Sample collected from beneath Picker Building												
2. ND = Not detected above the lab reporting												
limits shown in parenthesis.												
3. NT = Not tested.												
4. ~ = No Method 1 Standard or UCL available												
5. Bolded values exceed the Method 1 Cleanup												
Standards.												

Table 3
Summary of Soil Analytical Data: Soils Beneath Picker Building Basement Floor

Parameter	SAMPLING LOCATION					
	B-1 (0-5')*	**B-2 (2-5')***	**B-3 (2-7')***	**B-4 (2-5')***	**B-5 (0-5')***	**B-6 (0-4')***
Sampling Date	2/12/2016	2/12/2016	2/12/2016	2/12/2016	2/12/2016	2/12/2016
Sample Depth	0-5 Feet	2-5 Feet	2-7 Feet	2-5 Feet	0-5 Feet	0-4 Feet
MADEP-EPH-04-1.1 (mg/Kg dry)						
C9-C18 ALIPHATICS	19	ND (11)	ND (11)	58	ND (11)	ND (11)
C19-C36 ALIPHATICS	120	20	15	130	19	ND (11)
UNADJUSTED C11-C22 AROMATICS	250	43	33	1700	140	38
C11-C22 AROMATICS	240	33	26	1000	89	28
ACENAPHTHENE	ND (0.11)	0.20	ND (0.11)	**8.8**	0.35	0.14
ACENAPHTHYLENE	ND (0.11)	ND (0.11)	ND (0.11)	**2.3**	ND (0.11)	ND (0.11)
ANTHRACENE	0.28	0.32	0.26	27	1.5	0.34
BENZO(A)ANTHRACENE	0.63	0.74	0.58	**45**	3.7	0.75
BENZO(A)PYRENE	1.1	0.76	0.58	**34**	**3.4**	0.70
BENZO(B)FLUORANTHENE	1.3	0.95	0.70	**45**	4.7	0.86
BENZO(G,H,I)PERYLENE	0.54	0.45	0.45	15	2.1	0.41
BENZO(K)FLUORANTHENE	0.51	0.33	0.25	17	1.5	0.32
CHRYSENE	1.9	0.87	0.64	46	3.9	0.80
DIBENZ(A,H)ANTHRACENE	0.27	0.14	ND (0.11)	**4.6**	0.52	0.13
FLUORANTHENE	2.1	1.7	1.2	120	8.5	1.6
FLUORENE	ND (0.11)	0.13	ND (0.11)	9.8	0.37	ND (0.11)
INDENO(1,2,3-CD)PYRENE	0.75	0.53	0.38	**18**	2.2	0.50
2-METHYLNAPHTHALENE	ND (0.11)	ND (0.11)	ND (0.11)	**3.2**	0.13	ND (0.11)
NAPHTHALENE	ND (0.11)	ND (0.11)	ND (0.11)	**5.8**	0.28	ND (0.11)
PHENANTHRENE	1.1	1.4	0.98	**96**	5.7	1.4
PYRENE	2.1	1.7	1.2	100	8.6	1.6
MADEP-VPH-04-1.1 (mg/Kg dry)						
UNADJUSTED C5-C8 ALIPHATICS	ND (11)	ND (10)	ND (10)	ND (11)	ND (9.0)	ND (8.2)
C5-C8 ALIPHATICS	ND (11)	ND (10)	ND (10)	ND (11)	ND (9.0)	ND (8.2)
UNADJUSTED C9-C12 ALIPHATICS	ND (11)	ND (10)	ND (10)	ND (11)	ND (9.0)	ND (8.2)
C9-C12 ALIPHATICS	ND (11)	ND (10)	ND (10)	ND (11)	ND (9.0)	ND (8.2)
C9-C10 AROMATICS	ND (11)	ND (10)	ND (10)	ND (11)	ND (9.0)	ND (8.2)
BENZENE	ND (0.056)	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.045)	ND (0.041)
ETHYLBENZENE	ND (0.056)	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.045)	ND (0.041)
METHYL TERT-BUTYL ETHER (MTBE)	ND (0.056)	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.045)	ND (0.041)
NAPHTHALENE	ND (0.28)	ND (0.26)	ND (0.25)	**6.3**	0.29	0.33
TOLUENE	ND (0.056)	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.045)	ND (0.041)
M/P-XYLENE	ND (0.11)	ND (0.10)	ND (0.10)	ND (0.11)	ND (0.090)	ND (0.082)
O-XYLENE	ND (0.056)	ND (0.052)	ND (0.051)	ND (0.053)	ND (0.045)	ND (0.041)
SM 2540G (% Wt)						
% Solids	87.1	89.1	88.7	88.0	89.0	93.7
SW-846 8015C (mg/Kg dry)						
FUEL OIL #6	NT	NT	NT	NT	NT	NT
NOTES:						
1. *Sample collected from beneath Picker Building						
2. ND = Not detected above the lab reporting						
limits shown in parenthesis.						
3. NT = Not tested.						
4. ~ = No Method 1 Standard or UCL available						
5. Bolded values exceed the Method 1 Cleanup						
Standards.						

Table 4
Summary of Soil Analytical Data: Disposal Criteria Testing for Stockpiled Soils and *In-Situ* Soils

Parameter	Reportable Concentrations (RCs)		MCP - Method 1 Cleanup Standards									Upper Concentration Limit	SAMPLING LOCATION		
	RCS-1	RCS-2	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3	UCL	SP-1	SP-3	FO-1 7-8' **
Sampling Date													2/29/2016	3/29/2016	3/29/2016
Sample Depth													Stockpile / Top Soils	Sands inside FO Vault	** Petroleum contaminated soils
SM 2540G (% Wt)															
% Solids	~	~	~	~	~	~	~	~	~	~	~	~	80.2	94.4	72.0
SM21-22 2510B Modified (µmhos/cm)															
SPECIFIC CONDUCTANCE	~	~	~	~	~	~	~	~	~	~	~	~	35	4.3	3.3
SW-846 1030 (present/absent)															
IGNITABILITY	~	~	~	~	~	~	~	~	~	~	~	~	Absent	Absent	Absent
SW-846 6010C/D (mg/Kg dry) Metals Digestion															
ANTIMONY	20	30	20	20	20	30	30	30	30	30	30	300	ND (3.1)	ND (2.4)	ND (3.4)
ARSENIC	20	20	20	20	20	20	20	20	50	50	50	500	**23**	8.8	ND (3.4)
BARIUM	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000	800	50	36
BERYLLIUM	90	200	90	90	90	200	200	200	200	200	200	2000	14	0.73	0.58
CADMIUM	70	100	70	70	70	100	100	100	100	100	10	1000	3.9	0.44	ND (0.34)
CHROMIUM (as CHROMIUM +3)	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000	160	30	3.1
LEAD	200	600	200	200	200	600	600	600	600	600	600	6000	**2400**	25	8.5
NICKEL	600	1000	600	600	600	1000	1000	1000	1000	1000	1000	10000	240	18	8.9
SELENIUM	400	700	400	400	400	700	700	700	700	700	700	7000	ND (6.2)	ND (4.8)	ND (6.8)
SILVER	100	200	100	100	100	200	200	200	200	200	200	2000	ND (0.62)	ND (0.48)	ND (0.68)
THALLIUM	8	60	8	8	8	60	60	60	80	80	80	800	ND (3.1)	**9.8**	ND (3.4)
VANADIUM	400	700	400	400	400	700	700	700	700	700	700	7000	**3500**	33	42
ZINC	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000	**1100**	43	5.1
SW-846 7471B (mg/Kg dry) Metals Digestion															
MERCURY	20	30	20	20	20	30	30	30	30	30	30	300	0.43	0.050	ND (0.035)
SW-846 7196A (mg/Kg dry)															
CHROMIUM +6	100	200	100	100	100	200	200	200	200	200	200	2000	ND (4.9)	NT	NT
SM2580 A (mV)															
OXIDATION/REDUCTION POTENTIAL	~	~	~	~	~	~	~	~	~	~	~	~	120	NT	NT
SW-846 9045C (pH Units)															
PH	~	~	~	~	~	~	~	~	~	~	~	~	7.4		
SW-846 6010C/D (mg/L) 1311 TCLP EXT															
CADMIUM	~	~	~	~	~	~	~	~	~	~	~	~	0.025	NT	NT
LEAD	~	~	~	~	~	~	~	~	~	~	~	~	0.78	NT	NT
SW-846 8081B (mg/Kg dry)															
ALDRIN	0.08	0.5	0.08	0.08	0.08	0.5	0.5	0.5	3	3	3	30	ND (0.12) *	ND (0.0053)	ND (0.69) *
ALPHA-BHC	50	500	~	~	~	~	~	~	~	~	~	~	ND (0.12)	ND (0.0053)	ND (0.69)
BETA-BHC	10	100	~	~	~	~	~	~	~	~	~	~	ND (0.12)	ND (0.0053)	ND (0.69)
DELTA-BHC	10	100	~	~	~	~	~	~	~	~	~	~	ND (0.12)	ND (0.0053)	ND (0.69)
GAMMA-BHC (LINDANE)	0.003	0.5	0.003	0.1	0.5	0.003	2	0.5	0.003	2	0.5	600	ND (0.049) *	ND (0.0021)	ND (0.28) *
CHLORDANE	5	30	5	5	5	30	30	30	60	60	60	600	ND (0.49)	ND (0.021)	ND (2.8)
4,4'-DDD	8	40	8	8	8	40	40	40	60	60	60	600	ND (0.099)	ND (0.0042)	ND (0.56)
4,4'-DDE	6	30	6	6	6	30	30	30	60	60	60	600	ND (0.099)	ND (0.0042)	ND (0.56)
4,4'-DDT	6	30	6	6	6	30	30	30	60	60	60	600	ND (0.099)	0.019	ND (0.56)
DIELDRIN	0.08	0.5	0.08	0.08	0.08	0.5	0.5	0.5	3	3	3	30	ND (0.099) *	ND (0.0042)	ND (0.56) *
ENDOSULFAN I	0.5	1	0.5	300	1	0.5	500	1	0.5	500	1	5000	ND (0.12)	ND (0.0053)	ND (0.69) *
ENDOSULFAN II	0.5	1	0.5	300	1	0.5	500	1	0.5	500	1	5000	ND (0.20)	ND (0.0085)	ND (1.1) *
ENDOSULFAN SULFATE	~	~	~	~	~	~	~	~	~	~	~	~	ND (0.20)	ND (0.0085)	ND (1.1)
ENDRIN	10	20	10	10	10	20	20	20	20	20	20	200	ND (0.20)	ND (0.0085)	ND (1.1)
ENDRIN KETONE	~	~	~	~	~	~	~	~	~	~	~	~	ND (0.20)	ND (0.0085)	ND (1.1)
HEPTACHLOR	0.3	2	0.3	0.3	0.3	2	2	2	10	10	10	100	ND (0.12)	ND (0.0053)	ND (0.69) *
HEPTACHLOR EPOXIDE	0.1	0.9	0.1	0.1	0.1	0.9	0.9	0.9	1	1	1	10	**0.29**	ND (0.0053)	ND (0.69) *
HEXACHLOROBENZENE	0.7	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	8	ND (0.15)	ND (0.0064)	ND (0.83) *
METHOXYCHLOR	200	400	200	200	200	400	400	400	400	400	400	4000	ND (1.2)	ND (0.053)	ND (6.9)
SW-846 8081B (µg/L) 1311 TCLP EXT															
HEPTACHLOR	~	~	~	~	~	~	~	~	~	~	~	~	ND (0.050)	NT	NT

Table 4
Summary of Soil Analytical Data: Disposal Criteria Testing for Stockpiled Soils and *In-Situ* Soils

Parameter	Reportable Concentrations (RCs)		MCP - Method 1 Cleanup Standards									Upper Concentration Limit	SAMPLING LOCATION		
	RCS-1	RCS-2	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3	UCL	SP-1	SP-3	FO-1 7-8' **
SW-846 8082A (mg/Kg dry)															
PCB 1016	1	4	1	1	1	4	4	4	4	4	4	100	ND (12) *	ND (0.53)	ND (0.14)
PCB 1221	1	4	1	1	1	4	4	4	4	4	4	100	ND (12) *	ND (0.53)	ND (0.14)
PCB 1232	1	4	1	1	1	4	4	4	4	4	4	100	ND (12) *	ND (0.53)	ND (0.14)
PCB 1242	1	4	1	1	1	4	4	4	4	4	4	100	ND (12) *	ND (0.53)	ND (0.14)
PCB 1248	1	4	1	1	1	4	4	4	4	4	4	100	ND (12) *	ND (0.53)	ND (0.14)
PCB 1254	1	4	1	1	1	4	4	4	4	4	4	100	**63**	**2.6**	0.45
PCB 1260	1	4	1	1	1	4	4	4	4	4	4	100	ND (12) *	ND (0.53)	ND (0.14)
PCB 1262	1	4	1	1	1	4	4	4	4	4	4	100	ND (12) *	ND (0.53)	ND (0.14)
PCB 1268	1	4	1	1	1	4	4	4	4	4	4	100	ND (12) *	ND (0.53)	ND (0.14)
SW-846 8100 Modified (mg/Kg dry)															
TPH	1000	3000	1000	1000	1000	1000	3000	5000	1000	5000	5000	10000	**3800**	280	**33000**
SW-846 8151A (mg/kg dry)															
2,4-D	100	1000	~	~	~	~	~	~	~	~	~		ND (0.31)	ND (0.026)	ND (0.13)
2,4-DB	100	1000	~	~	~	~	~	~	~	~	~		ND (0.31)	ND (0.026)	ND (0.13)
2,4,5-TP (SILVEX)	100	1000	~	~	~	~	~	~	~	~	~		ND (0.031)	ND (0.026)	ND (0.013)
2,4,5-T	100	1000	~	~	~	~	~	~	~	~	~		ND (0.031)	ND (0.026)	ND (0.013)
DALAPON	~	~	~	~	~	~	~	~	~	~	~		ND (0.77)	ND (0.066)	ND (0.34)
DICAMBA	500	5000	~	~	~	~	~	~	~	~	~		ND (0.031)	ND (0.0026)	ND (0.013)
DICHLOROPROP	~	~	~	~	~	~	~	~	~	~	~		ND (0.31)	ND (0.026)	ND (0.13)
DINOSEB	500	5000	~	~	~	~	~	~	~	~	~		ND (0.15)	ND (0.013)	ND (0.067)
MCPA	100	1000	~	~	~	~	~	~	~	~	~		ND (31)	ND (2.6)	ND (13)
MCPP	~	~	~	~	~	~	~	~	~	~	~		ND (31)	ND (2.6)	ND (13)
SW-846 8260C (mg/Kg dry)															
ACETONE	6	50	6	50	400	6	50	400	6	50	400	10000	ND (0.089)	ND (0.078)	ND (5.6)
TERT-AMYLMETHYL ETHER	~	~	~	~	~	~	~	~	~	~	~	~	ND (0.00089)	ND (0.00078)	ND (0.056)
BENZENE	2	200	2	40	40	2	200	200	2	400	1000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
BROMOBENZENE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
BROMOCHLOROMETHANE	~	~	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
BROMODICHLOROMETHANE	0.1	0.1	0.1	0.1	30	0.1	0.1	100	0.1	0.1	500	5000	ND (0.0018)	ND (0.0016)	ND (0.11) *
BROMOFORM	0.1	1	0.1	1	300	0.1	1	800	0.1	1	800	10000	ND (0.0089)	ND (0.0016)	ND (0.11) *
BROMOMETHANE	0.5	0.5	0.5	0.5	30	0.5	0.5	30	0.5	0.5	30	6000	ND (0.0089)	ND (0.0078)	ND (0.22)
2-BUTANONE (MEK)	4	50	4	50	400	4	50	400	4	50	400	10000	ND (0.036)	ND (0.031)	ND (2.2)
N-BUTYLBENZENE	~	~	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
SEC-BUTYLBENZENE	~	~	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
TERT-BUTYLBENZENE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
TERT-BUTYLETHYL ETHER	~	~	~	~	~	~	~	~	~	~	~	~	ND (0.00089)	ND (0.00078)	ND (0.056)
CARBON DISULFIDE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0053)	ND (0.0047)	ND (1.1)
CARBON TETRACHLORIDE	5	5	10	5	30	10	5	100	10	5	1000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
CHLOROBENZENE	1	3	1	3	100	1	3	100	1	3	100	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
CHLORODIBROMOMETHANE	0.005	0.03	0.005	0.03	20	0.005	0.03	100	0.005	0.03	500	5000	ND (0.00089)	ND (0.00078)	ND (0.056) *
CHLOROETHANE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0089)	ND (0.0078)	ND (0.22)
CHLOROFORM	0.2	0.2	0.4	0.2	500	0.4	0.2	1000	0.4	0.2	1000	10000	ND (0.0036)	ND (0.0031)	ND (0.22) *
CHLOROMETHANE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0089)	ND (0.0078)	ND (0.22)
2-CHLOROTOLUENE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
4-CHLOROTOLUENE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
1,2-DIBROMO-3-CHLOROPROPANE	10	100	~	~	~	~	~	~	~	~	~	~	ND (0.0036)	ND (0.0031)	ND (0.45)
1,2-DIBROMOETHANE (EDB)	0.1	0.1	0.1	0.1	1	0.1	0.1	5	0.1	0.1	40	400	ND (0.00089)	ND (0.00078)	ND (0.056)
DIBROMOMETHANE	500	5000	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
1,2-DICHLOROBENZENE	9	100	9	100	300	9	100	300	9	100	300	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
1,3-DICHLOROBENZENE	3	200	3	100	100	3	200	500	3	200	500	5000	ND (0.0018)	ND (0.0016)	ND (0.11)
1,4-DICHLOROBENZENE	0.7	1	0.7	1	80	0.7	1	400	0.7	1	2000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
DICHLORODIFLUOROMETHANE	1000	10000	~	~	~	~	~	~	~	~	~	~	ND (0.0089)	ND (0.0078)	ND (0.22)
1,1-DICHLOROETHANE	0.4	9	0.4	9	500	0.4	9	1000	0.4	9	1000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
1,2-DICHLOROETHANE	0.1	0.1	0.1	0.1	20	0.1	0.1	100	0.1	0.1	300	9000	ND (0.0018)	ND (0.0016)	ND (0.11) *
1,1-DICHLOROETHYLENE	3	40	3	40	500	3	40	1000	3	40	3000	10000	ND (0.0036)	ND (0.0031)	ND (0.11)
CIS-1,2-DICHLOROETHYLENE	0.1	0.1	0.3	0.1	100	0.3	0.1	500	0.3	0.1	500	5000	ND (0.0018)	ND (0.0016)	ND (0.11) *

Table 4
Summary of Soil Analytical Data: Disposal Criteria Testing for Stockpiled Soils and *In-Situ* Soils

Parameter	Reportable Concentrations (RCs)		MCP - Method 1 Cleanup Standards									Upper Concentration Limit	SAMPLING LOCATION		
	RCS-1	RCS-2	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3	UCL	SP-1	SP-3	FO-1 7-8' **
TRANS-1,2-DICHLOROETHYLENE	1	1	1	1	500	1	1	1000	1	1	3000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
1,2-DICHLOROPROPANE	0.1	0.1	0.1	0.1	30	0.1	0.1	100	0.1	0.1	1000	10000	ND (0.0018)	ND (0.0016)	ND (0.11) *
1,3-DICHLOROPROPANE	500	5000	~	~	~	~	~	~	~	~	~	~	ND (0.00089)	ND (0.00078)	ND (0.056)
2,2-DICHLOROPROPANE	0.1	0.2	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11) *
1,1-DICHLOROPROPENE	0.01	0.1	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.22) *
CIS-1,3-DICHLOROPROPENE	0.01	0.1	0.01	0.4	9	0.01	0.4	70	0.01	0.4	100	4000	ND (0.00089)	ND (0.0031)	ND (0.056) *
TRANS-1,3-DICHLOROPROPENE	0.01	0.1	0.01	0.4	9	0.01	0.4	70	0.01	0.4	100	4000	ND (0.0036)	ND (0.0016)	ND (0.056) *
DIETHYL ETHER	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0089)	ND (0.0078)	ND (0.22)
DIISOPROPYL ETHER	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.00089)	ND (0.00078)	ND (0.056)
1,4-DIOXANE	0.2	6	0.2	6	20	0.2	6	90	0.2	6	500	5000	ND (0.089)	ND (0.078)	ND (5.6) *
ETHYLBENZENE	40	1000	40	500	500	40	1000	1000	40	1000	3000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
HEXACHLOROBUTADIENE	30	100	30	30	30	100	100	100	100	100	100	1000	ND (0.0018)	ND (0.0016)	ND (0.11)
2-HEXANONE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.018)	ND (0.016)	ND (1.1)
ISOPROPYLBENZENE	1000	10000	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
P-ISOPROPYLTOLUENE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
METHYL TERT-BUTYL ETHER (MTBE)	0.1	100	0.1	100	100	0.1	100	500	0.1	100	500	5000	ND (0.0036)	ND (0.0031)	ND (0.11) *
METHYLENE CHLORIDE	0.1	20	0.1	20	200	0.1	20	900	0.1	20	900	10000	ND (0.0089)	ND (0.0078)	ND (0.56) *
4-METHYL-2-PENTANONE (MIBK)	0.4	50	0.4	50	400	0.4	50	400	0.4	50	400	10000	ND (0.018)	ND (0.016)	ND (1.1) *
NAPHTHALENE	4	20	4	20	500	4	20	1000	4	20	3000	10000	ND (0.0089)	ND (0.0078)	ND (0.22)
N-PROPYLBENZENE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
STYRENE	3	4	3	4	70	3	4	200	3	4	2000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
1,1,1,2-TETRACHLOROETHANE	0.1	0.1	0.1	0.1	80	0.1	0.1	400	0.1	0.1	500	5000	ND (0.0018)	ND (0.0016)	ND (0.11) *
1,1,2,2-TETRACHLOROETHANE	0.005	0.02	0.005	0.02	10	0.005	0.02	50	0.005	0.02	400	4000	ND (0.00089)	ND (0.00078)	ND (0.056) *
TETRACHLOROETHYLENE	1	10	1	10	30	1	10	200	1	10	1000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
TETRAHYDROFURAN	500	5000	~	~	~	~	~	~	~	~	~	~	ND (0.0089)	ND (0.0078)	ND (0.45)
TOLUENE	30	1000	30	500	500	30	1000	1000	30	2000	3000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
1,2,3-TRICHLOROBENZENE	~	~	~	~	~	~	~	~	~	~	~	~	ND (0.0036)	ND (0.0016)	ND (0.45)
1,2,4-TRICHLOROBENZENE	2	6	2	6	700	2	6	3000	2	6	5000	10000	ND (0.0036)	ND (0.0031)	ND (0.11)
1,1,1-TRICHLOROETHANE	30	600	30	500	500	30	600	1000	30	600	3000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)
1,1,2-TRICHLOROETHANE	0.1	2	0.1	2	40	0.1	2	200	0.1	2	500	5000	ND (0.0018)	ND (0.0016)	ND (0.11) *
TRICHLOROETHYLENE	0.3	0.3	0.3	0.3	30	0.3	0.3	60	0.3	0.3	60	600	ND (0.0018)	ND (0.0016)	ND (0.11)
TRICHLOROFLUOROMETHANE	1000	10000	~	~	~	~	~	~	~	~	~	~	ND (0.0089)	ND (0.0078)	ND (0.22)
1,2,3-TRICHLOROPROPANE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.22)
1,2,4-TRIMETHYLBENZENE	1000	10000	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
1,3,5-TRIMETHYLBENZENE	10	100	~	~	~	~	~	~	~	~	~	~	ND (0.0018)	ND (0.0016)	ND (0.11)
VINYL CHLORIDE	0.7	0.7	0.9	0.7	1	0.9	0.7	7	0.9	0.7	60	600	ND (0.0089)	ND (0.0078)	ND (0.22)
M/P-XYLENE	100	100	400	100	500	400	100	1000	400	100	3000	10000	ND (0.0036)	ND (0.0031)	ND (0.22)
O-XYLENE	100	100	400	100	500	400	100	1000	400	100	3000	10000	ND (0.0018)	ND (0.0016)	ND (0.11)

Table 4
Summary of Soil Analytical Data: Disposal Criteria Testing for Stockpiled Soils and *In-Situ* Soils

Parameter	Reportable Concentrations (RCs)		MCP - Method 1 Cleanup Standards									Upper Concentration Limit	SAMPLING LOCATION		
	RCS-1	RCS-2	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3	UCL	SP-1	SP-3	FO-1 7-8' **
SW-846 8270D (mg/Kg dry)															
ACENAPHTHENE	4	3000	4	1000	1000	4	3000	3000	4	5000	5000	10000	2.4	0.70	**4.9**
ACENAPHTHYLENE	1	10	1	600	10	1	600	10	1	600	10	10000	ND (0.85)	ND (0.18)	ND (3.8) *
ACETOPHENONE	1000	10000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
ANILINE	1000	10000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
ANTHRACENE	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000	5.3	1.5	4.9
BENZO(A)ANTHRACENE	7	40	7	7	7	40	40	40	300	300	300	3000	**10**	3.0	4.8
BENZO(A)PYRENE	2	7	2	2	2	7	7	7	30	30	30	300	**8.0**	**2.6**	ND (3.8) *
BENZO(B)FLUORANTHENE	7	40	7	7	7	40	40	40	300	300	300	3000	**9.8**	3.5	ND (3.8)
BENZO(G,H,I)PERYLENE	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000	4.5	1.4	ND (3.8)
BENZO(K)FLUORANTHENE	70	400	70	70	70	400	400	400	3000	3000	3000	10000	3.9	1.4	ND (3.8)
BIS(2-CHLOROETHOXY)METHANE	500	5000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
BIS(2-CHLOROETHYL)ETHER	0.7	0.7	0.7	0.7	8	0.7	0.7	3	0.7	0.7	80	800	ND (1.7) *	ND (0.36)	ND (7.5) *
BIS(2-CHLOROISOPROPYL)ETHER	0.7	0.7	0.7	0.7	30	0.7	0.7	100	0.7	0.7	1000	10000	ND (1.7) *	ND (0.36)	ND (7.5) *
BIS(2-ETHYLHEXYL)PHTHALATE	90	600	90	90	90	600	600	600	2000	2000	2000	10000	30	ND (0.36)	ND (7.5)
4-BROMOPHENYL PHENYL ETHER	100	1000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
BUTYLBENZYLPHTHALATE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
4-CHLOROANILINE	1	3	1	100	3	1	100	3	1	100	3	3000	ND (3.3) *	ND (0.70)	ND (15) *
2-CHLORONAPHTHALENE	1000	10000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
2-CHLOROPHENOL	0.7	100	0.7	100	100	0.7	100	300	0.7	100	300	3000	ND (1.7) *	ND (0.36)	ND (7.5) *
CHRYSENE	70	400	70	70	70	400	400	400	3000	3000	3000	10000	9.7	2.8	6.6
DIBENZ(A,H)ANTHRACENE	0.7	4	0.7	0.7	0.7	4	4	4	30	30	30	300	**1.4**	0.37	ND (3.8) *
DIBENZOFURAN	100	1000	~	~	~	~	~	~	~	~	~	~	1.9	0.59	ND (7.5)
DI-N-BUTYLPHTHALATE	50	500	~	~	~	~	~	~	~	~	~	~	5.6	ND (0.36)	ND (7.5)
1,2-DICHLOROBENZENE	9	100	9	100	300	9	100	300	9	100	300	10000	ND (1.7)	ND (0.36)	ND (7.5)
1,3-DICHLOROBENZENE	3	200	3	100	100	3	200	500	3	200	500	5000	ND (1.7)	ND (0.36)	ND (7.5) *
1,4-DICHLOROBENZENE	0.7	1	0.7	1	80	0.7	1	400	0.7	1	2000	10000	ND (1.7) *	ND (0.36)	ND (7.5) *
3,3'-DICHLOROBENZIDINE	3	20	3	3	3	10	10	10	100	100	100	1000	ND (0.85)	ND (0.18)	ND (3.8) *
2,4-DICHLOROPHENOL	0.7	40	0.7	60	40	0.7	60	40	0.7	60	40	8000	ND (1.7) *	ND (0.36)	ND (7.5) *
DIETHYLPHTHALATE	10	200	10	200	300	10	200	300	10	200	300	10000	ND (1.7)	ND (0.36)	ND (7.5)
2,4-DIMETHYLPHENOL	0.7	100	0.7	100	500	0.7	100	1000	0.7	100	1000	10000	ND (1.7) *	ND (0.36)	ND (7.5) *
DIMETHYLPHTHALATE	0.7	50	0.7	50	600	0.7	50	600	0.7	50	600	10000	ND (1.7) *	ND (0.36)	ND (7.5) *
2,4-DINITROPHENOL	3	50	3	50	50	3	50	100	3	50	100	8000	ND (3.3) *	ND (0.70)	ND (15) *
2,4-DINITROTOLUENE	0.7	10	0.7	2	2	0.7	10	10	0.7	50	80	800	ND (1.7) *	ND (0.36)	ND (7.5) *
2,6-DINITROTOLUENE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
DI-N-OCTYLPHTHALATE	1000	10000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	50	500	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
FLUORANTHENE	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000	22	7.0	6.4
FLUORENE	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000	2.8	0.93	11
HEXACHLOROBENZENE	0.7	0.8	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	8	ND (1.7) *	ND (0.36)	ND (7.5) *
HEXACHLOROBUTADIENE	30	100	30	30	30	100	100	100	100	100	100	1000	ND (1.7)	ND (0.36)	ND (7.5)
HEXACHLOROETHANE	0.7	3	0.7	3	50	0.7	3	200	0.7	3	200	2000	ND (1.7) *	ND (0.36)	ND (7.5) *
INDENO(1,2,3-CD)PYRENE	7	40	7	7	7	40	40	40	300	300	300	3000	5.1	1.4	ND (3.8)
ISOPHORONE	100	1000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
2-METHYLNAPHTHALENE	0.7	80	0.7	80	300	1	80	500	1	80	500	5000	**0.93**	0.29	**33**
O-CRESOL	500	5000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
M/P-CRESOL	500	5000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
NAPHTHALENE	4	20	4	20	500	4	20	1000	4	20	3000	10000	1.6	0.59	**8.3**
NITROBENZENE	500	5000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
2-NITROPHENOL	100	1000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
4-NITROPHENOL	100	1000	~	~	~	~	~	~	~	~	~	~	ND (3.3)	ND (0.70)	ND (15)
PENTACHLOROPHENOL	3	10	3	3	3	3	20	10	3	70	10	700	ND (1.7)	ND (0.36)	ND (7.5) *
PHENANTHRENE	10	1000	10	500	500	20	1000	1000	20	3000	3000	10000	**24**	5.9	**32**
PHENOL	1	20	1	50	20	1	50	20	1	50	20	10000	ND (1.7) *	ND (0.36)	ND (7.5) *
PYRENE	1000	3000	1000	1000	1000	3000	3000	3000	5000	5000	5000	10000	23	5.0	33
PYRIDINE	500	5000	~	~	~	~	~	~	~	~	~	~	ND (1.7)	ND (0.36)	ND (7.5)
1,2,4-TRICHLOROBENZENE	2	6	2	6	700	2	6	3000	2	6	5000	10000	ND (1.7)	ND (0.36)	ND (7.5) *

Table 4
Summary of Soil Analytical Data: Disposal Criteria Testing for Stockpiled Soils and *In-Situ* Soils

Parameter	Reportable Concentrations (RCs)		MCP - Method 1 Cleanup Standards									Upper Concentration Limit	SAMPLING LOCATION		
	RCS-1	RCS-2	S-1/GW-1	S-1/GW-2	S-1/GW-3	S-2/GW-1	S-2/GW-2	S-2/GW-3	S-3/GW-1	S-3/GW-2	S-3/GW-3	UCL	SP-1	SP-3	FO-1 7-8' **
2,4,5-TRICHLOROPHENOL	4	600	4	1000	600	4	1000	600	4	100	200	10000	ND (1.7)	ND (0.36)	ND (7.5) *
2,4,6-TRICHLOROPHENOL	0.7	20	0.7	20	20	0.7	20	20	0.7	20	20	4000	ND (1.7) *	ND (0.36)	ND (7.5) *
SW-846 9014 (mg/Kg)															
REACTIVE CYANIDE	~	~	~	~	~	~	~	~	~	~	~	~	ND (3.9)	ND (3.9)	ND (4.0)
SW-846 9030A (mg/Kg)															
REACTIVE SULFIDE	~	~	~	~	~	~	~	~	~	~	~	~	ND (20)	ND (20)	ND (20)
SW-846 9045C (pH Units)															
PH	~	~	~	~	~	~	~	~	~	~	~	~	6.9	7.2	4.6

NOTES:
1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regul. criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards.

SP-3 analyzed for volatile petroleum hydrocarbons (VPH) via MassDEP's Method. No VPH subsets or target VOCs were detected.

** Petroleum contaminated soils were excavated from the bottom of the vault at 7-8' below current grade, then returned to the vault when remediation was temporarily halted.

Table 4
Summary of Soil Analytical Data: Disposal Criteria Testing for Stockpiled Soils and *In-Situ* Soils

Parameter					SAMPLING LOCATION				
	Comp1	Comp2	Comp3	Comp4	B-14 (10-15)	B-14A (10-15)	B-26 (10-13)	B-27 (5-10)	B-28 (10-15)
Sampling Date	9/16/2016	9/16/2016	9/16/2016	9/16/2016	9/15/2016	9/16/2016	9/16/2016	9/16/2016	9/16/2016
Sample Depth	- Feet	- Feet	- Feet	- Feet	10-15 Feet	10-15 Feet	10-13 Feet	5-10 Feet	10-15 Feet
SM 2540G (% Wt)									
% Solids	78.6	79.1	82.4	77.9	NT	NT	NT	NT	NT
SM21-22 2510B Modified (µmhos/cm)									
SPECIFIC CONDUCTANCE	27	18	20	16	NT	NT	NT	NT	NT
SW-846 1030 (present/absent)									
IGNITABILITY	Present	Present	Present	Present	NT	NT	NT	NT	NT
SW-846 6010C/D (mg/Kg dry) Metals Digestion									
ANTIMONY	ND (3.2)	ND (3.2)	ND (3.0)	ND (3.1)	NT	NT	NT	NT	NT
ARSENIC	6.8	5.3	6.8	5.4	NT	NT	NT	NT	NT
BARIUM	67	50	110	53	NT	NT	NT	NT	NT
BERYLLIUM	0.33	ND (0.32)	0.31	ND (0.31)	NT	NT	NT	NT	NT
CADMIUM	0.48	0.51	0.52	0.53	NT	NT	NT	NT	NT
CHROMIUM (as CHROMIUM +3)	11	13	12	12	NT	NT	NT	NT	NT
LEAD	19	19	14	22	NT	NT	NT	NT	NT
NICKEL	13	14	13	16	NT	NT	NT	NT	NT
SELENIUM	ND (6.4)	ND (6.3)	ND (5.9)	ND (6.3)	NT	NT	NT	NT	NT
SILVER	ND (0.64)	ND (0.63)	ND (0.59)	ND (0.63)	NT	NT	NT	NT	NT
THALLIUM	ND (3.2)	ND (3.2)	ND (3.0)	ND (3.1)	NT	NT	NT	NT	NT
VANADIUM	42	43	44	44	NT	NT	NT	NT	NT
ZINC	17	34	14	24	NT	NT	NT	NT	NT
SW-846 7471B (mg/Kg dry) Metals Digestion									
MERCURY	ND (0.031)	ND (0.032)	ND (0.029)	ND (0.033)	NT	NT	NT	NT	NT
SW-846 7196A (mg/Kg dry)									
CHROMIUM +6	NT	NT	NT	NT	NT	NT	NT	NT	NT
SM2580 A (mV)									
OXIDATION/REDUCTION POTENTIAL	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 9045C (pH Units)									
PH									
SW-846 6010C/D (mg/L) 1311 TCLP EXT									
CADMIUM	NT	NT	NT	NT	NT	NT	NT	NT	NT
LEAD	NT	NT	NT	NT	NT	NT	NT	NT	NT
SW-846 8081B (mg/Kg dry)									
ALDRIN	ND (0.31) *	ND (0.32) *	ND (0.30) *	ND (0.31) *	NT	NT	NT	NT	NT
ALPHA-BHC	ND (0.31)	ND (0.32)	ND (0.30)	ND (0.31)	NT	NT	NT	NT	NT
BETA-BHC	ND (0.31)	ND (0.32)	ND (0.30)	ND (0.31)	NT	NT	NT	NT	NT
DELTA-BHC	ND (0.31)	ND (0.32)	ND (0.30)	ND (0.31)	NT	NT	NT	NT	NT
GAMMA-BHC (LINDANE)	ND (0.12) *	ND (0.13) *	ND (0.12) *	ND (0.13) *	NT	NT	NT	NT	NT
CHLORDANE	ND (1.2)	ND (1.3)	ND (1.2)	ND (1.3)	NT	NT	NT	NT	NT
4,4'-DDD	ND (0.25)	ND (0.25)	ND (0.24)	ND (0.25)	NT	NT	NT	NT	NT
4,4'-DDE	ND (0.25)	ND (0.25)	ND (0.24)	ND (0.25)	NT	NT	NT	NT	NT
4,4'-DDT	ND (0.25)	ND (0.25)	ND (0.24)	ND (0.25)	NT	NT	NT	NT	NT
DIELDRIN	ND (0.25) *	ND (0.25) *	ND (0.24) *	ND (0.25) *	NT	NT	NT	NT	NT
ENDOSULFAN I	ND (0.31)	ND (0.32)	ND (0.30)	ND (0.31)	NT	NT	NT	NT	NT
ENDOSULFAN II	ND (0.50)	ND (0.51) *	ND (0.49)	ND (0.50)	NT	NT	NT	NT	NT
ENDOSULFAN SULFATE	ND (0.50)	ND (0.51)	ND (0.49)	ND (0.50)	NT	NT	NT	NT	NT
ENDRIN	ND (0.50)	ND (0.51)	ND (0.49)	ND (0.50)	NT	NT	NT	NT	NT
ENDRIN KETONE	ND (0.50)	ND (0.51)	ND (0.49)	ND (0.50)	NT	NT	NT	NT	NT
HEPTACHLOR	ND (0.31) *	ND (0.32) *	ND (0.30)	ND (0.31) *	NT	NT	NT	NT	NT
HEPTACHLOR EPOXIDE	ND (0.31) *	ND (0.32) *	ND (0.30) *	ND (0.31) *	NT	NT	NT	NT	NT
HEXACHLOROBENZENE	ND (0.37)	ND (0.38)	ND (0.36)	ND (0.38)	NT	NT	NT	NT	NT
METHOXYCHLOR	ND (3.1)	ND (3.2)	ND (3.0)	ND (3.1)	NT	NT	NT	NT	NT
SW-846 8081B (µg/L) 1311 TCLP EXT									
HEPTACHLOR	NT	NT	NT	NT	NT	NT	NT	NT	NT

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Parameter					SAMPLING LOCATION				
	Comp1	Comp2	Comp3	Comp4	B-14 (10-15)	B-14A (10-15)	B-26 (10-13)	B-27 (5-10)	B-28 (10-15)
SW-846 8082A (mg/Kg dry)									
PCB 1016	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.13)	NT	NT	NT	NT	NT
PCB 1221	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.13)	NT	NT	NT	NT	NT
PCB 1232	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.13)	NT	NT	NT	NT	NT
PCB 1242	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.13)	NT	NT	NT	NT	NT
PCB 1248	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.13)	NT	NT	NT	NT	NT
PCB 1254	0.26	**1.3**	0.17	0.34	NT	NT	NT	NT	NT
PCB 1260	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.13)	NT	NT	NT	NT	NT
PCB 1262	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.13)	NT	NT	NT	NT	NT
PCB 1268	ND (0.12)	ND (0.13)	ND (0.12)	ND (0.13)	NT	NT	NT	NT	NT
SW-846 8100 Modified (mg/Kg dry)									
TPH	**3200**	**3100**	**2100**	**2100**	NT	NT	NT	NT	NT
SW-846 8151A (mg/kg dry)									
2,4-D	ND (0.13)	ND (0.12)	ND (0.12)	ND (0.13)	NT	NT	NT	NT	NT
2,4-DB	0.41	0.52	0.15	0.24	NT	NT	NT	NT	NT
2,4,5-TP (SILVEX)	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)	NT	NT	NT	NT	NT
2,4,5-T	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)	NT	NT	NT	NT	NT
DALAPON	ND (0.31)	ND (0.31)	ND (0.30)	ND (0.32)	NT	NT	NT	NT	NT
DICAMBA	ND (0.013)	ND (0.012)	ND (0.012)	ND (0.013)	NT	NT	NT	NT	NT
DICHLOROPROP	ND (0.13)	ND (0.12)	ND (0.12)	ND (0.13)	NT	NT	NT	NT	NT
DINOSEB	ND (0.063)	ND (0.062)	ND (0.059)	ND (0.063)	NT	NT	NT	NT	NT
MCPA	ND (13)	ND (12)	ND (12)	ND (13)	NT	NT	NT	NT	NT
MCPP	ND (13)	ND (12)	ND (12)	ND (13)	NT	NT	NT	NT	NT
SW-846 8260C (mg/Kg dry)					mg/kg wet	mg/kg wet	mg/kg wet	mg/kg wet	mg/kg wet
ACETONE	NT	NT	NT	NT	ND (23)	ND (31)	ND (28)	ND (4.6)	ND (26)
TERT-AMYLMETHYL ETHER	NT	NT	NT	NT	ND (0.23)	ND (0.31)	ND (0.28)	ND (0.046)	ND (0.26)
BENZENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
BROMOBENZENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
BROMOCHLOROMETHANE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
BROMODICHLOROMETHANE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
BROMOFORM	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
BROMOMETHANE	NT	NT	NT	NT	ND (2.3)	ND (3.1)	ND (2.8)	ND (0.46)	ND (2.6)
2-BUTANONE (MEK)	NT	NT	NT	NT	ND (9.1)	ND (12)	ND (11)	ND (1.9)	ND (10)
N-BUTYLBENZENE	NT	NT	NT	NT	0.93	1.1	2.4	ND (0.093)	1.3
SEC-BUTYLBENZENE	NT	NT	NT	NT	0.48	ND (0.61)	1.1	ND (0.093)	0.68
TERT-BUTYLBENZENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
TERT-BUTYLETHYL ETHER	NT	NT	NT	NT	ND (0.23)	ND (0.31)	ND (0.28)	ND (0.046)	ND (0.26)
CARBON DISULFIDE	NT	NT	NT	NT	ND (4.5)	ND (6.1)	ND (5.5)	ND (0.93)	ND (5.1)
CARBON TETRACHLORIDE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
CHLOROBENZENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
CHLORODIBROMOMETHANE	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
CHLOROETHANE	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
CHLOROFORM	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
CHLOROMETHANE	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
2-CHLOROTOLUENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
4-CHLOROTOLUENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,2-DIBROMO-3-CHLOROPROPANE	NT	NT	NT	NT	ND (2.3)	ND (3.1)	ND (2.8)	ND (0.46)	ND (2.6)
1,2-DIBROMOETHANE (EDB)	NT	NT	NT	NT	ND (0.23)	ND (0.31)	ND (0.28)	ND (0.046)	ND (0.26)
DIBROMOMETHANE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,2-DICHLOROBENZENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,3-DICHLOROBENZENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,4-DICHLOROBENZENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
DICHLORODIFLUOROMETHANE	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
1,1-DICHLOROETHANE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,2-DICHLOROETHANE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,1-DICHLOROETHYLENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
CIS-1,2-DICHLOROETHYLENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)

Table 4
Summary of Soil Analytical Data: Disposal Criteria Testing for Stockpiled Soils and *In-Situ* Soils

Parameter					SAMPLING LOCATION				
	Comp1	Comp2	Comp3	Comp4	B-14 (10-15)	B-14A (10-15)	B-26 (10-13)	B-27 (5-10)	B-28 (10-15)
TRANS-1,2-DICHLOROETHYLENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,2-DICHLOROPROPANE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,3-DICHLOROPROPANE	NT	NT	NT	NT	ND (0.23)	ND (0.31)	ND (0.28)	ND (0.046)	ND (0.26)
2,2-DICHLOROPROPANE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,1-DICHLOROPROPENE	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
CIS-1,3-DICHLOROPROPENE	NT	NT	NT	NT	ND (0.23)	ND (0.31)	ND (0.28)	ND (0.046)	ND (0.26)
TRANS-1,3-DICHLOROPROPENE	NT	NT	NT	NT	ND (0.23)	ND (0.31)	ND (0.28)	ND (0.046)	ND (0.26)
DIETHYL ETHER	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
DIISOPROPYL ETHER	NT	NT	NT	NT	ND (0.23)	ND (0.31)	ND (0.28)	ND (0.046)	ND (0.26)
1,4-DIOXANE	NT	NT	NT	NT	ND (23)	ND (31)	ND (28)	ND (4.6)	ND (26)
ETHYLBENZENE	NT	NT	NT	NT	0.46	ND (0.61)	0.62	ND (0.093)	0.97
HEXACHLOROBUTADIENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
2-HEXANONE	NT	NT	NT	NT	ND (4.5)	ND (6.1)	ND (5.5)	ND (0.93)	ND (5.1)
ISOPROPYLBENZENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	0.79	ND (0.093)	ND (0.51)
P-ISOPROPYLTOLUENE	NT	NT	NT	NT	0.90	1.2	2.5	ND (0.093)	3.2
METHYL TERT-BUTYL ETHER (MTBE)	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
METHYLENE CHLORIDE	NT	NT	NT	NT	ND (2.3)	ND (3.1)	ND (2.8)	ND (0.46)	ND (2.6)
4-METHYL-2-PENTANONE (MIBK)	NT	NT	NT	NT	ND (4.5)	ND (6.1)	ND (5.5)	ND (0.93)	ND (5.1)
NAPHTHALENE	NT	NT	NT	NT	13	19	20	ND (0.46)	6.7
N-PROPYLBENZENE	NT	NT	NT	NT	0.68	0.86	1.2	ND (0.093)	0.68
STYRENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,1,1,2-TETRACHLOROETHANE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,1,2,2-TETRACHLOROETHANE	NT	NT	NT	NT	ND (0.23)	ND (0.31)	ND (0.28)	ND (0.046)	ND (0.26)
TETRACHLOROETHYLENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
TETRAHYDROFURAN	NT	NT	NT	NT	ND (1.8)	ND (2.5)	ND (2.2)	ND (0.37)	ND (2.0)
TOLUENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	0.78	ND (0.093)	0.69
1,2,3-TRICHLOROBENZENE	NT	NT	NT	NT	ND (2.3)	ND (3.1)	ND (2.8)	ND (0.46)	ND (2.6)
1,2,4-TRICHLOROBENZENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,1,1-TRICHLOROETHANE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
1,1,2-TRICHLOROETHANE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
TRICHLOROETHYLENE	NT	NT	NT	NT	ND (0.45)	ND (0.61)	ND (0.55)	ND (0.093)	ND (0.51)
TRICHLOROFLUOROMETHANE	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
1,2,3-TRICHLOROPROPANE	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
1,2,4-TRIMETHYLBENZENE	NT	NT	NT	NT	8.3	11	12	ND (0.093)	9.0
1,3,5-TRIMETHYLBENZENE	NT	NT	NT	NT	2.9	3.8	5.4	ND (0.093)	6.2
VINYL CHLORIDE	NT	NT	NT	NT	ND (0.91)	ND (1.2)	ND (1.1)	ND (0.19)	ND (1.0)
M/P-XYLENE	NT	NT	NT	NT	1.7	2.4	2.4	ND (0.19)	2.7
O-XYLENE	NT	NT	NT	NT	1.4	1.9	4.4	ND (0.093)	1.8

Table 4
Summary of Soil Analytical Data: Disposal Criteria Testing for Stockpiled Soils and *In-Situ* Soils

Parameter					SAMPLING LOCATION				
	Comp1	Comp2	Comp3	Comp4	B-14 (10-15)	B-14A (10-15)	B-26 (10-13)	B-27 (5-10)	B-28 (10-15)
SW-846 8270D (mg/Kg dry)									
ACENAPHTHENE	ND (4.2) *	ND (4.2) *	ND (4.1) *	ND (8.4) *	NT	NT	NT	NT	NT
ACENAPHTHYLENE	ND (4.2) *	ND (4.2) *	ND (4.1) *	ND (8.4) *	NT	NT	NT	NT	NT
ACETOPHENONE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
ANILINE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
ANTHRACENE	ND (4.2)	ND (4.2)	ND (4.1)	ND (8.4)	NT	NT	NT	NT	NT
BENZO(A)ANTHRACENE	ND (4.2)	ND (4.2)	ND (4.1)	ND (8.4) *	NT	NT	NT	NT	NT
BENZO(A)PYRENE	ND (4.2) *	ND (4.2) *	ND (4.1) *	ND (8.4) *	NT	NT	NT	NT	NT
BENZO(B)FLUORANTHENE	ND (4.2)	ND (4.2)	ND (4.1)	ND (8.4) *	NT	NT	NT	NT	NT
BENZO(G,H,I)PERYLENE	ND (4.2)	ND (4.2)	ND (4.1)	ND (8.4)	NT	NT	NT	NT	NT
BENZO(K)FLUORANTHENE	ND (4.2)	ND (4.2)	ND (4.1)	ND (8.4)	NT	NT	NT	NT	NT
BIS(2-CHLOROETHOXY)METHANE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
BIS(2-CHLOROETHYL)ETHER	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
BIS(2-CHLOROISOPROPYL)ETHER	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
BIS(2-ETHYLHEXYL)PHTHALATE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
4-BROMOPHENYL PHENYL ETHER	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
BUTYLBENZYLPHTHALATE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
4-CHLOROANILINE	ND (16) *	ND (16) *	ND (16) *	ND (33) *	NT	NT	NT	NT	NT
2-CHLORONAPHTHALENE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
2-CHLOROPHENOL	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
CHRYSENE	ND (4.2)	ND (4.2)	ND (4.1)	ND (8.4)	NT	NT	NT	NT	NT
DIBENZ(A,H)ANTHRACENE	ND (4.2) *	ND (4.2) *	ND (4.1) *	ND (8.4) *	NT	NT	NT	NT	NT
DIBENZOFURAN	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
DI-N-BUTYLPHTHALATE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
1,2-DICHLOROBENZENE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17) *	NT	NT	NT	NT	NT
1,3-DICHLOROBENZENE	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
1,4-DICHLOROBENZENE	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
3,3'-DICHLOROBENZIDINE	ND (4.2) *	ND (4.2) *	ND (4.1) *	ND (8.4) *	NT	NT	NT	NT	NT
2,4-DICHLOROPHENOL	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
DIETHYLPHTHALATE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17) *	NT	NT	NT	NT	NT
2,4-DIMETHYLPHENOL	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
DIMETHYLPHTHALATE	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
2,4-DINITROPHENOL	ND (16) *	ND (16) *	ND (16) *	ND (33) *	NT	NT	NT	NT	NT
2,4-DINITROTOLUENE	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
2,6-DINITROTOLUENE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
DI-N-OCTYLPHTHALATE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
1,2-DIPHENYLHYDRAZINE (AZOBENZENE)	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
FLUORANTHENE	ND (4.2)	ND (4.2)	ND (4.1)	ND (8.4)	NT	NT	NT	NT	NT
FLUORENE	ND (4.2)	ND (4.2)	ND (4.1)	ND (8.4)	NT	NT	NT	NT	NT
HEXACHLOROBENZENE	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
HEXACHLOROBUTADIENE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
HEXACHLOROETHANE	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
INDENO(1,2,3-CD)PYRENE	ND (4.2)	ND (4.2)	ND (4.1)	ND (8.4) *	NT	NT	NT	NT	NT
ISOPHORONE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
2-METHYLNAPHTHALENE	**15**	**18**	**12**	**12**	NT	NT	NT	NT	NT
O-CRESOL	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
M/P-CRESOL	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
NAPHTHALENE	**4.4**	**5.1**	ND (4.1) *	ND (8.4) *	NT	NT	NT	NT	NT
NITROBENZENE	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
2-NITROPHENOL	ND (8.4)	ND (8.5)	ND (8.3)	ND (17)	NT	NT	NT	NT	NT
4-NITROPHENOL	ND (16)	ND (16)	ND (16)	ND (33)	NT	NT	NT	NT	NT
PENTACHLOROPHENOL	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
PHENANTHRENE	**11**	**13**	10	**11**	NT	NT	NT	NT	NT
PHENOL	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
PYRENE	12	13	13	12	NT	NT	NT	NT	NT
PYRIDINE	NT	NT	NT	NT	NT	NT	NT	NT	NT
1,2,4-TRICHLOROBENZENE	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT

Table 4
Summary of Soil Analytical Data: Disposal Criteria Testing for Stockpiled Soils and *In-Situ* Soils

Parameter					SAMPLING LOCATION				
	Comp1	Comp2	Comp3	Comp4	B-14 (10-15)	B-14A (10-15)	B-26 (10-13)	B-27 (5-10)	B-28 (10-15)
2,4,5-TRICHLOROPHENOL	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
2,4,6-TRICHLOROPHENOL	ND (8.4) *	ND (8.5) *	ND (8.3) *	ND (17) *	NT	NT	NT	NT	NT
SW-846 9014 (mg/Kg)									
REACTIVE CYANIDE	ND (4.0)	ND (3.9)	ND (4.0)	ND (3.9)	NT	NT	NT	NT	NT
SW-846 9030A (mg/Kg)									
REACTIVE SULFIDE	ND (20)	ND (20)	ND (20)	ND (20)	NT	NT	NT	NT	NT
SW-846 9045C (pH Units)									
PH	9.0	9.6	9.0	8.6	NT	NT	NT	NT	NT
NOTES:									
1. An asterisk (*) following a detection limit									
indicates that the minimum laboratory reporting									
limit exceeds one or more of the regul. criteria.									
2. ND = Not detected above the lab reporting									
limits shown in parenthesis.									
3. NT = Not tested.									
4. ~ = No Method 1 Standard or UCL available									
5. Bolded values exceed the Method 1 Cleanup									
Standards.									

Table 5
Summary of Tank Water Analytical Data: Gasoline Tank Pull
169.2 Bridge St.
Lowell, MA

Parameter	Reportable Concentrations (RCs)	MCP - Method 1 Cleanup Standards		Upper Concentration Limit (UCL)	SAMPLING LOCATION	
	RCGW-2	GW-2	GW-3	UCL	GT-1	GT-2
Sampling Date					3/7/2016	3/7/2016
Sample Depth						
SW-846 8082A (µg/L)						
PCB 1016	5	5	10	100	ND (0.20)	ND (0.20)
PCB 1221	5	5	10	100	ND (0.20)	ND (0.20)
PCB 1232	5	5	10	100	ND (0.20)	ND (0.20)
PCB 1242	5	5	10	100	ND (0.20)	ND (0.20)
PCB 1248	5	5	10	100	ND (0.20)	ND (0.20)
PCB 1254	5	5	10	100	1.2	1.5
PCB 1260	5	5	10	100	ND (0.20)	ND (0.20)
PCB 1262	5	5	10	100	ND (0.20)	ND (0.20)
PCB 1268	5	5	10	100	ND (0.20)	ND (0.20)

NOTES:

1. An asterisk (*) following a detection limit indicates that the minimum laboratory reporting limit exceeds one or more of the regulatory criteria.
2. ND = Not detected above the lab reporting limits shown in parenthesis.
3. NT = Not tested.
4. ~ = No Applicable Method 1 Standard or UCL available
5. Bolded values exceed the Method 1 Cleanup Standards.

Table 6.1
Summary of PCB Congener Data for Courtyard Soil Samples

Analyte	Units	B-5 (0-1')	B-7 (1-3')	B-9 (0-1')	B-11 (1-3)
Date Sampled		14-Mar-16	14-Mar-16	14-Mar-16	14-Mar-16
Sample Depth		0-1 Feet	1-3 Feet	0-1 Feet	1-3 Feet
SW846-8270M					
Cl1-BZ#1	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl1-BZ#2	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl1-BZ#3	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl2-BZ#4/#10	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl2-BZ#9	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl2-BZ#7	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl2-BZ#6	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl2-BZ#5	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl2-BZ#8	µg/kg	<1.9	3.5	<2.0	<0.38
Cl3-BZ#19	µg/kg	<1.9	2.4	4.5	<0.38
Cl2-BZ#14	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl3-BZ#30	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl3-BZ#18	µg/kg	3.5	12	16	<0.38
Cl2-BZ#11	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl3-BZ#17	µg/kg	1.9	4.6	6.2	<0.38
Cl2-BZ#12	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl3-BZ#27	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl2-BZ#13	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl3-BZ#24	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl3-BZ#16	µg/kg	<1.9	4.6	<2.0	<0.38
Cl3-BZ#32	µg/kg	<1.9	5.7	9.4	<0.38
Cl2-BZ#15	µg/kg	2.1	4.9	6.4	<0.38
Cl3-BZ#34	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl4-BZ#54	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl3-BZ#23	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl3-BZ#29	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl4-BZ#50	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl3-BZ#26	µg/kg	<1.9	2.5	<2.0	<0.38
Cl3-BZ#25	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl4-BZ#53	µg/kg	4.1	9	21	<0.75
Cl3-BZ#31	µg/kg	3.5	11	19	<0.38
Cl3-BZ#28	µg/kg	5.4	13	27	<0.38
Cl3-BZ#33/#21/#20	µg/kg	<5.6	<5.7	<5.9	<1.1
Cl4-BZ#51	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#45	µg/kg	<3.8	6.3	11	<0.75
Cl3-BZ#22	µg/kg	<1.9	4.3	9.9	<0.38
Cl4-BZ#46	µg/kg	<3.8	<3.8	6.5	<0.75
Cl4-BZ#73	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#69	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#43	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl3-BZ#36	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl4-BZ#52	µg/kg	91	240	820	1.2
Cl4-BZ#48	µg/kg	<3.8	5.1	14	<0.75
Cl4-BZ#49	µg/kg	19	52	130	<0.75
Cl5-BZ#104	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#47/#65/#62	µg/kg	<11	<11	23	<2.3
Cl4-BZ#75	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl3-BZ#39	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl3-BZ#38	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl4-BZ#44	µg/kg	42	120	310	<0.75
Cl4-BZ#59	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#42	µg/kg	5.4	13	31	<0.75
Cl4-BZ#71	µg/kg	4.7	13	29	<0.75
Cl3-BZ#35	µg/kg	<1.9	<1.9	<2.0	<0.38
Cl4-BZ#41	µg/kg	<3.8	<3.8	4.1	<0.75
Cl5-BZ#96	µg/kg	<3.8	<3.8	7.6	<0.75
Cl4-BZ#72	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#103	µg/kg	<3.8	<3.8	6.4	<0.75
Cl4-BZ#64	µg/kg	9.9	31	67	<0.75
Cl4-BZ#40/#68	µg/kg	<7.5	<7.6	13	<1.5
Cl3-BZ#37	µg/kg	<5.6	6.6	13	<1.1
Cl5-BZ#100	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#94	µg/kg	<3.8	<3.8	4.7	<0.75
Cl4-BZ#57	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#67/#58	µg/kg	<7.5	<7.6	<7.9	<1.5
Cl5-BZ#102	µg/kg	5.9	9.9	34	<0.75
Cl4-BZ#61	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#98	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#93	µg/kg	<19	<19	<20	<3.8

Table 6.1
Summary of PCB Congener Data for Courtyard Soil Samples

Analyte	Units	B-5 (0-1')	B-7 (1-3')	B-9 (0-1')	B-11 (1-3)
Date Sampled		14-Mar-16	14-Mar-16	14-Mar-16	14-Mar-16
Sample Depth		0-1 Feet	1-3 Feet	0-1 Feet	1-3 Feet
Cl4-BZ#76	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#63	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#88/#95	µg/kg	210	390	1600	2.1
Cl5-BZ#121	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#74	µg/kg	9.3	28	65	<0.75
Cl6-BZ#155	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#70	µg/kg	41	130	340	<0.75
Cl5-BZ#91	µg/kg	34	60	220	<0.75
Cl4-BZ#66	µg/kg	15	48	<3.9	<0.75
Cl4-BZ#80/#55	µg/kg	<7.5	<7.6	<7.9	<1.5
Cl5-BZ#92	µg/kg	53	100	330	<0.75
Cl5-BZ#89/#84	µg/kg	80	160	<7.9	<1.5
Cl4-BZ#56	µg/kg	8	24	75	<0.75
Cl5-BZ#90/#101	µg/kg	290	610	2000	2.5
Cl5-BZ#113	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#60	µg/kg	4.3	9.8	25	<0.75
Cl5-BZ#99	µg/kg	100	200	680	0.95
Cl6-BZ#150	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#152	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#119/#83	µg/kg	17	32	110	<1.5
Cl5-BZ#125/#112/#86	µg/kg	<11	<11	<12	<2.3
Cl5-BZ#109	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#145	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#97	µg/kg	99	200	670	0.91
Cl6-BZ#148	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#79	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#116	µg/kg	<3.8	4.3	<3.9	<0.75
Cl5-BZ#87	µg/kg	130	280	890	1.2
Cl4-BZ#78	µg/kg	<3.8	<3.8	32	<0.75
Cl6-BZ#154/#136	µg/kg	33	60	200	<1.5
Cl5-BZ#111/#117/#115	µg/kg	<11	20	61	<2.3
Cl5-BZ#85	µg/kg	42	79	290	<0.75
Cl5-BZ#120/#110	µg/kg	340	640	2200	3.1
Cl4-BZ#81	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#151	µg/kg	34	61	200	<0.75
Cl6-BZ#135	µg/kg	29	49	160	<0.75
Cl5-BZ#82	µg/kg	32	60	200	<0.75
Cl6-BZ#144	µg/kg	11	20	62	<0.75
Cl6-BZ#147/#149	µg/kg	180	320	1100	2
Cl4-BZ#77	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#143/#139	µg/kg	<7.5	11	36	<1.5
Cl6-BZ#140	µg/kg	<3.8	<3.8	6	<0.75
Cl5-BZ#124	µg/kg	11	21	70	<0.75
Cl5-BZ#108	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#123/#107	µg/kg	14	32	100	<1.5
Cl7-BZ#188	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#134	µg/kg	19	34	110	<0.75
Cl5-BZ#106	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#142	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#133/#131	µg/kg	10	16	59	<1.5
Cl5-BZ#118	µg/kg	210	450	1600	2.4
Cl7-BZ#184	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#165	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#146	µg/kg	32	53	170	<0.75
Cl5-BZ#122	µg/kg	<3.8	6.4	21	<0.75
Cl6-BZ#161	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#114	µg/kg	<3.8	8.8	19	<0.75
Cl6-BZ#168	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#153	µg/kg	190	340	1200	1.9
Cl6-BZ#132	µg/kg	110	190	700	1
Cl7-BZ#179	µg/kg	6.6	11	39	<0.75
Cl6-BZ#141	µg/kg	49	86	280	<0.75
Cl7-BZ#176	µg/kg	<3.8	4.7	16	<0.75
Cl5-BZ#105	µg/kg	59	150	440	0.79
Cl6-BZ#137	µg/kg	22	38	130	<0.75
Cl7-BZ#186	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#127	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#130/#164	µg/kg	40	69	230	<1.5
Cl7-BZ#178	µg/kg	<3.8	5.1	19	<0.75
Cl6-BZ#138	µg/kg	250	400	1600	2.5

Table 6.1
Summary of PCB Congener Data for Courtyard Soil Samples

Analyte	Units	B-5 (0-1')	B-7 (1-3')	B-9 (0-1')	B-11 (1-3)
Date Sampled		14-Mar-16	14-Mar-16	14-Mar-16	14-Mar-16
Sample Depth		0-1 Feet	1-3 Feet	0-1 Feet	1-3 Feet
Cl6-BZ#160/#129/#163	µg/kg	81	140	480	<2.3
Cl6-BZ#158	µg/kg	32	58	190	<0.75
Cl7-BZ#182/#175	µg/kg	<7.5	<7.6	<7.9	<1.5
Cl7-BZ#187	µg/kg	18	30	110	<0.75
Cl7-BZ#183	µg/kg	12	20	67	<0.75
Cl6-BZ#166	µg/kg	<3.8	<3.8	7.8	<0.75
Cl6-BZ#159	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#126	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl7-BZ#185	µg/kg	<3.8	<3.8	11	<0.75
Cl6-BZ#128/#162	µg/kg	58	100	360	<1.5
Cl7-BZ#174	µg/kg	19	34	110	<0.75
Cl8-BZ#202	µg/kg	<5.6	<5.7	7	<1.1
Cl6-BZ#167	µg/kg	13	22	69	<0.75
Cl7-BZ#181	µg/kg	<3.8	<3.8	4.4	<0.75
Cl7-BZ#177	µg/kg	13	22	74	<0.75
Cl8-BZ#200/#204	µg/kg	<11	<11	<12	<2.3
Cl7-BZ#171	µg/kg	8.4	14	47	<0.75
Cl7-BZ#173	µg/kg	<3.8	<3.8	5.3	<0.75
Cl8-BZ#197	µg/kg	<5.6	<5.7	<5.9	<1.1
Cl7-BZ#172	µg/kg	<11	<11	26	<2.3
Cl6-BZ#156	µg/kg	28	60	<3.9	<0.75
Cl7-BZ#192	µg/kg	<7.5	<7.6	<7.9	<1.5
Cl6-BZ#157	µg/kg	8.8	17	59	<0.75
Cl7-BZ#180	µg/kg	49	83	300	0.86
Cl7-BZ#193	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl8-BZ#199	µg/kg	<5.6	<5.7	<5.9	<1.1
Cl7-BZ#191	µg/kg	<3.8	<3.8	7	<0.75
Cl8-BZ#198	µg/kg	<5.6	<5.7	<5.9	<1.1
Cl8-BZ#201	µg/kg	<5.6	8.4	29	<1.1
Cl7-BZ#170	µg/kg	28	46	150	<0.75
Cl7-BZ#190	µg/kg	4.5	8.6	28	<0.75
Cl8-BZ#196	µg/kg	<5.6	<5.7	12	<1.1
Cl8-BZ#203	µg/kg	<5.6	<5.7	24	<1.1
Cl6-BZ#169	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl9-BZ#208	µg/kg	<5.6	<5.7	<5.9	<1.1
Cl9-BZ#207	µg/kg	<5.6	<5.7	<5.9	<1.1
Cl7-BZ#189	µg/kg	<3.8	<3.8	8.8	<0.75
Cl8-BZ#195	µg/kg	<5.6	<5.7	10	<1.1
Cl8-BZ#194	µg/kg	<5.6	6.6	25	<1.1
Cl8-BZ#205	µg/kg	<5.6	<5.7	<5.9	<1.1
Cl9-BZ#206	µg/kg	<5.6	<5.7	17	<1.1
Cl10-BZ#209	µg/kg	<5.6	<5.7	7.7	1.3
TOTAL CONGENERS	µg/kg	3385	6755	22245	25
SW-846 8082A					
Aroclor 1254	µg/kg	7000	6000	42000	160
SM 2540G (% Wt)					
% Solids	% Wt	88.6	86.7	84.1	88.2

PCB analysis via USEPA 8082A only detected Aroclor 1254. Refer to Table 6 for summary of data for 8082A analyses.

Table 6.2
Summary of Dioxin-Like PCB Congener Data for Courtyard Soil Samples

Analyte	Units	B-5 (0-1')	B-7 (1-3')	B-9 (0-1')	B-11 (1-3)
Date Sampled		14-Mar-16	14-Mar-16	14-Mar-16	14-Mar-16
Sample Depth		0-1 Feet	1-3 Feet	0-1 Feet	1-3 Feet
Cl4-BZ#81	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl4-BZ#77	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl5-BZ#123/#107	µg/kg	14	32	100	<1.5
Cl5-BZ#118	µg/kg	210	450	1600	2.4
Cl5-BZ#114	µg/kg	<3.8	8.8	19	<0.75
Cl5-BZ#105	µg/kg	59	150	440	0.79
Cl5-BZ#126	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl6-BZ#167	µg/kg	13	22	69	<0.75
Cl6-BZ#156	µg/kg	28	60	<3.9	<0.75
Cl6-BZ#157	µg/kg	8.8	17	59	<0.75
Cl6-BZ#169	µg/kg	<3.8	<3.8	<3.9	<0.75
Cl7-BZ#189	µg/kg	<3.8	<3.8	8.8	<0.75

C14-BZ#77 = 3,3',4,4'-tetrachlorobiphenyl (TCB)
C14-BZ#81 = 3,4,4',5-TCB
C15-BZ#105 = 2,3,3',4,4'-pentachlorobiphenyl (PeCB)
C15-BZ#114 = 2,3,4,4',5-PeCB
C15-BZ#118 = 2,3',4,4',5-PeCB
C15-BZ#123 = 2',3,4,4',5-PeCB
C15-BZ#126 = 3,3',4,4',5-PeCB
C16-BZ#156 = 2,3,3',4,4',5-hexachlorobiphenyl (HxCB)
C16-BZ#157 = 2,3,3',4,4',5'-HxCB
C16-BZ#167 = 2,3',4,4',5,5'-HxCB
C16-BZ#169 = 3,3',4,4',5,5'-HxCB
C17-BZ#189 = 2,3,3',4,4',5,5'-heptachlorobiphenyl (HpCB)

List of Dioxin-Like Congeners obtained from Table 2 of USEPA's Recommended Toxicity Equivalence Factors (TEFs) for Human Health Risk Assessments of 2,3,7,8-Tetrachlorodibenzo-*p*-dioxin & Dioxin-Like Compounds, (EPA/100/R 10/005/ December 2010)

Those Dioxin-Like Congeners shown in **bold text** were not detected in any sample, and therefore, were eliminated from further evaluation in Tables 16 and 17.

Table 6.3
Calculation of TCDD Toxic Equivalence for Soil Analytical Data: Dioxin-Like PCB Congeners

Analyte		Units	B-5 (0-1')	B-7 (1-3')	B-9 (0-1')	B-11 (1-3)
Date Sampled	TEF		14-Mar-16	14-Mar-16	14-Mar-16	14-Mar-16
Sample Depth			0-1 Feet	1-3 Feet	0-1 Feet	1-3 Feet
Cl5-BZ#123/#107	0.00003	µg/kg	14	32	100	0.75
Cl5-BZ#118	0.00003	µg/kg	210	450	1600	2.4
Cl5-BZ#114	0.00003	µg/kg	1.9	8.8	19	0.375
Cl5-BZ#105	0.00003	µg/kg	59	150	440	0.79
Cl6-BZ#167	0.00003	µg/kg	13	22	69	0.375
Cl6-BZ#156	0.00003	µg/kg	28	60	1.95	0.375
Cl6-BZ#157	0.00003	µg/kg	8.8	17	59	0.375
Cl7-BZ#189	0.00003	µg/kg	1.9	1.9	8.8	0.375
TEQ			1.01E-02	2.23E-02	6.89E-02	1.74E-04
Total Dioxin-Like Congeners		µg/kg	336.6	741.7	2297.75	5.815

C15-BZ#105 = 2,3,3',4,4'-pentachlorobiphenyl (PeCB)
C15-BZ#114 = 2,3,4,4',5-PeCB
C15-BZ#118 = 2,3',4,4',5-PeCB
C15-BZ#123 = 2',3,4,4',5-PeCB
C16-BZ#156 = 2,3,3',4,4',5-hexachlorobiphenyl (HxCB)
C16-BZ#157 = 2,3,3',4,4',5'-HxCB
C16-BZ#167 = 2,3',4,4',5,5'-HxCB
C17-BZ#189 = 2,3,3',4,4',5,5'-heptachlorobiphenyl (HpCB)

TEFs for Dioxin-Like Congeners obtained from Table 2 of USEPA's Recommended Toxicity Equivalence Factors (TEFs) for Human Health Risk Assessments of 2,3,7,8-Tetrachlorodibenzo-*p* -dioxin & Dioxin-Like Compounds, (EPA/100/R 10/005/ December 2010)

TCDD = 2,3,7,8-Tetrachlorodibenzo-*p* -dioxin
TEF = TCDD Toxicity Equivalence Factor
TEQ = TCDD Toxic Equivalence (summation of products of congener concentration and TEF, for each congener *i*)

If no congener detected for a given sample, one-half the reported detection limit (<#) was used as a surrogate value.

Sample B-11 (1-3) contains a low level of PCB congeners and was not used for further analysis.

Table 6.4
Comparison of Total Dioxin-Like PCB Congeners to TCDD Equivalence and Total PCB Congeners

Analyte	Units	B-5 (0-1')	B-7 (1-3')	B-9 (0-1')
Date Sampled		14-Mar-16	14-Mar-16	14-Mar-16
Sample Depth		0-1 Feet	1-3 Feet	0-1 Feet
Total PCB-Congeners (Table 8)	mg/kg	3.3853	6.7551	22.2447
Total Dioxin-Like Congeners (Table 16)	mg/kg	0.3366	0.7417	2.29775
Dioxin-Like Congeners, as a percent of				
Total PCB-Congeners	%	9.9	11.0	10.3
TCDD Toxic Equivalence (Table 16)	mg/kg	1.01E-05	2.23E-05	6.89E-05
TCDD Toxic Equivalence as proportion		2.98E-06	3.30E-06	3.10E-06
of Total PCB-congeners				

Reference: USEPA's Recommended Toxicity Equivalence Factors (TEFs) for Human Health Risk Assessments of 2,3,7,8-Tetrachlorodibenzo-*p* -dioxin & Dioxin-Like Compounds, (EPA/100/R 10/005/ December 2010)

TCDD = 2,3,7,8-Tetrachlorodibenzo-*p* -dioxin
TEF = TCDD Toxicity Equivalence Factor
TEQ = TCDD Toxic Equivalence (summation of products of congener concentration and TEF, for each congener *i*)

Table 7
Summary of Asbestos Analytical Data for Soils

Parameter	SAMPLING LOCATION								
	062316-45-01	**062316-45-02**	**062316-45-03**	**062316-45-04**	**062316-45-05**	**062316-45-06**	**062316-45-07**	**062316-45-08**	**062316-45-09**
Sampling Date	6/23/2016	6/23/2016	6/23/2016	6/23/2016	6/23/2016	6/23/2016	6/23/2016	6/23/2016	6/23/2016
Sample Depth	Stockpile: "HI Elevation"	Stockpile: "MID Elevation"	Stockpile: "LOW Elevation"	Courtyard Area 1 (Shallow)	Courtyard Area 2 (Shallow)	Courtyard Area 3 (Shallow)	Courtyard Area 4 (Shallow)	Courtyard Area 5 (Shallow)	Courtyard Area 6 (Shallow)
	not quantified	***not quantified***	***not quantified***	***not quantified***	***not quantified***	***not quantified***	***not quantified***	***not quantified***	***not quantified***
ASBESTOS - CHRYSOTILE	Detected	Detected	Detected	Detected		Detected	Detected	Detected	Detected
ASBESTOS - AMOSITE					Detected				
ASBESTOS - CROCIDOLITE									
ASBESTOS - ACTINOLITE									
ASBESTOS - TREMOLITE									
ASBESTOS - ANTHOPHYLLITE									
FIBERGLASS									
MINERAL WOOL									
CELLULOSE									
HAIR									
SYNTHETIC									
OTHER NON-ASBESTOS									
NON-FIBROUS MINERALS									
BINDER/FILLER									
NOTES:									
1. All sampling depths are relative to current conditions, following excavation of soils from the eastern courtyard.									

Table 7
Summary of Asbestos Analytical Data for Soils

Parameter	SAMPLING LOCATION										
	B-14A (0-5)	**B-14A (10-15)**	**B-14A (15-16.5)**	**B-14A (5-10)**	**B-15 (5-10)**	**B-16 (5-10)**	**B-17 (5-7.5)**	**B-19 (5-10)**	**B-21 (0-5)**	**B-21 (10-13.5)**	**B-21 (5-10)**
Sampling Date	9/16/2016	9/16/2016	9/16/2016	9/16/2016	9/15/2016	9/15/2016	9/15/2016	9/15/2016	9/16/2016	9/16/2016	9/16/2016
Sample Depth	0-5 Feet	10-15 Feet	15-16.5 Feet	5-10 Feet	5-10 Feet	5-10 Feet	5-7.5 Feet	5-10 Feet	0-5 Feet	10-13.5 Feet	5-10 Feet
	Unit, Percent (%)	***Unit, Percent (%)***	***Unit, Percent (%)***	***Unit, Percent (%)***	***Unit, Percent (%)***	***Unit, Percent (%)***	***Unit, Percent (%)***	***Unit, Percent (%)***	***Unit, Percent (%)***	***Unit, Percent (%)***	***Unit, Percent (%)***
ASBESTOS - CHRYSOTILE	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	2	ND ()	ND ()
ASBESTOS - AMOSITE	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
ASBESTOS - CROCIDOLITE	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
ASBESTOS - ACTINOLITE	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
ASBESTOS - TREMOLITE	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
ASBESTOS - ANTHOPHYLLITE	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
FIBERGLASS	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
MINERAL WOOL	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
CELLULOSE	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
HAIR	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
SYNTHETIC	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
OTHER NON-ASBESTOS	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
NON-FIBROUS MINERALS	100	100	100	100	100	100	100	100	98	100	100
BINDER/FILLER	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()	ND ()
NOTES:											
1. All sampling depths are relati											

Table 7
Summary of Asbestos Analytical Data for Soils

Parameter	SAMPLING LOCATION			
	Comp 1	Comp 2	Comp 3	Comp 4
Sampling Date	9/16/2016	9/16/2016	9/16/2016	9/16/2016
Sample Depth				
	Unit, Percent (%)	*Unit, Percent (%)*	*Unit, Percent (%)*	*Unit, Percent (%)*
ASBESTOS - CHRYSOTILE	ND ()	ND ()	ND ()	ND ()
ASBESTOS - AMOSITE	ND ()	ND ()	ND ()	ND ()
ASBESTOS - CROCIDOLITE	ND ()	ND ()	ND ()	ND ()
ASBESTOS - ACTINOLITE	ND ()	ND ()	ND ()	ND ()
ASBESTOS - TREMOLITE	ND ()	ND ()	ND ()	ND ()
ASBESTOS - ANTHOPHYLLITE	ND ()	ND ()	ND ()	ND ()
FIBERGLASS	ND ()	ND ()	ND ()	ND ()
MINERAL WOOL	ND ()	ND ()	ND ()	ND ()
CELLULOSE	ND ()	ND ()	ND ()	ND ()
HAIR	ND ()	ND ()	ND ()	ND ()
SYNTHETIC	ND ()	ND ()	ND ()	ND ()
OTHER NON-ASBESTOS	ND ()	ND ()	ND ()	ND ()
NON-FIBROUS MINERALS	100	100	100	100
BINDER/FILLER	ND ()	ND ()	ND ()	ND ()
NOTES:				
1. All sampling depths are relat				

Table 8
Summary of Analytical Data for River Water in Containment

Parameter	SAMPLING LOCATION		
	Containment H20	Containment H20	River (Surface)
Sampling Date	9/27/2016	9/30/2016	10/3/2016
SW-846 6020A-B (µg/L) Metals Digestion			
ANTIMONY	ND (1.0)	NT	NT
ARSENIC	0.86	NT	NT
BARIUM	17	NT	NT
BERYLLIUM	ND (0.40)	NT	NT
CADMIUM	ND (0.50)	NT	NT
CHROMIUM	1.2	NT	NT
LEAD	1.8	NT	NT
NICKEL	ND (5.0)	NT	NT
SELENIUM	ND (5.0)	NT	NT
SILVER	ND (0.50)	NT	NT
THALLIUM	ND (0.20)	NT	NT
VANADIUM	ND (5.0)	NT	NT
ZINC	ND (10)	NT	NT
SW-846 7470A (mg/L) Metals Digestion			
MERCURY	ND (0.00010)	NT	NT
SW-846 8082A (µg/L)			
PCB 1016	ND (0.20)	NT	NT
PCB 1221	ND (0.20)	NT	NT
PCB 1232	ND (0.20)	NT	NT
PCB 1242	ND (0.20)	NT	NT
PCB 1248	ND (0.20)	NT	NT
PCB 1254	ND (0.20)	NT	NT
PCB 1260	ND (0.20)	NT	NT
PCB 1262	ND (0.20)	NT	NT
PCB 1268	ND (0.20)	NT	NT
SW-846 8260C (µg/L)			
ACETONE	ND (80)	NT	NT
TERT-AMYLMETHYL ETHER	ND (2.0)	NT	NT
BENZENE	ND (4.0)	NT	NT
BROMOBENZENE	ND (4.0)	NT	NT
BROMOCHLOROMETHANE	ND (4.0)	NT	NT
BROMODICHLOROMETHANE	ND (4.0)	NT	NT
BROMOFORM	ND (4.0)	NT	NT
BROMOMETHANE	ND (8.0)	NT	NT
2-BUTANONE (MEK)	ND (40)	NT	NT
N-BUTYLBENZENE	ND (4.0)	NT	NT
SEC-BUTYLBENZENE	ND (4.0)	NT	NT
TERT-BUTYLBENZENE	ND (4.0)	NT	NT
TERT-BUTYLETHYL ETHER	ND (2.0)	NT	NT
CARBON DISULFIDE	ND (20)	NT	NT
CARBON TETRACHLORIDE	ND (4.0)	NT	NT
CHLOROBENZENE	ND (4.0)	NT	NT
CHLORODIBROMOMETHANE	ND (2.0)	NT	NT
CHLOROETHANE	ND (8.0)	NT	NT
CHLOROFORM	ND (8.0)	NT	NT
CHLOROMETHANE	ND (20)	NT	NT
2-CHLOROTOLUENE	ND (4.0)	NT	NT
4-CHLOROTOLUENE	ND (4.0)	NT	NT
1,2-DIBROMO-3-CHLOROPROPANE	ND (8.0)	NT	NT
1,2-DIBROMOETHANE (EDB)	ND (2.0)	NT	NT
DIBROMOMETHANE	ND (4.0)	NT	NT
1,2-DICHLOROBENZENE	ND (4.0)	NT	NT
1,3-DICHLOROBENZENE	ND (4.0)	NT	NT
1,4-DICHLOROBENZENE	ND (4.0)	NT	NT
DICHLORODIFLUOROMETHANE	ND (8.0)	NT	NT
1,1-DICHLOROETHANE	ND (4.0)	NT	NT
1,2-DICHLOROETHANE	ND (4.0)	NT	NT
1,1-DICHLOROETHYLENE	ND (4.0)	NT	NT
CIS-1,2-DICHLOROETHYLENE	ND (4.0)	NT	NT

Table 8
Summary of Analytical Data for River Water in Containment

Parameter	SAMPLING LOCATION		
	Containment H20	Containment H20	River (Surface)
Sampling Date	9/27/2016	9/30/2016	10/3/2016
TRANS-1,2-DICHLOROETHYLENE	ND (4.0)	NT	NT
1,2-DICHLOROPROPANE	ND (4.0)	NT	NT
1,3-DICHLOROPROPANE	ND (2.0)	NT	NT
2,2-DICHLOROPROPANE	ND (4.0)	NT	NT
1,1-DICHLOROPROPENE	ND (2.0)	NT	NT
CIS-1,3-DICHLOROPROPENE	ND (1.6)	NT	NT
TRANS-1,3-DICHLOROPROPENE	ND (1.6)	NT	NT
DIETHYL ETHER	ND (8.0)	NT	NT
DIISOPROPYL ETHER	ND (2.0)	NT	NT
1,4-DIOXANE	ND (200)	NT	NT
ETHYLBENZENE	ND (4.0)	NT	NT
HEXACHLOROBUTADIENE	ND (4.0)	NT	NT
2-HEXANONE	ND (40)	NT	NT
ISOPROPYLBENZENE	ND (20)	NT	NT
P-ISOPROPYLTOLUENE	ND (4.0)	NT	NT
METHYL TERT-BUTYL ETHER (MTBE)	ND (4.0)	NT	NT
METHYLENE CHLORIDE	ND (20)	NT	NT
4-METHYL-2-PENTANONE (MIBK)	ND (40)	NT	NT
NAPHTHALENE	ND (8.0)	NT	NT
N-PROPYLBENZENE	ND (4.0)	NT	NT
STYRENE	ND (4.0)	NT	NT
1,1,1,2-TETRACHLOROETHANE	ND (4.0)	NT	NT
1,1,2,2-TETRACHLOROETHANE	ND (2.0)	NT	NT
TETRACHLOROETHYLENE	ND (4.0)	NT	NT
TETRAHYDROFURAN	ND (8.0)	NT	NT
TOLUENE	ND (4.0)	NT	NT
1,2,3-TRICHLOROBENZENE	ND (8.0)	NT	NT
1,2,4-TRICHLOROBENZENE	ND (4.0)	NT	NT
1,1,1-TRICHLOROETHANE	ND (4.0)	NT	NT
1,1,2-TRICHLOROETHANE	ND (4.0)	NT	NT
TRICHLOROETHYLENE	ND (4.0)	NT	NT
TRICHLOROFLUOROMETHANE	ND (8.0)	NT	NT
1,2,3-TRICHLOROPROPANE	ND (8.0)	NT	NT
1,2,4-TRIMETHYLBENZENE	ND (4.0)	NT	NT
1,3,5-TRIMETHYLBENZENE	ND (4.0)	NT	NT
VINYL CHLORIDE	ND (8.0)	NT	NT
M/P-XYLENE	ND (8.0)	NT	NT
O-XYLENE	ND (4.0)	NT	NT
SW-846 1010A (°F)			
FLASHPOINT	NT	> 212 °F	NT
SM21-22 4500 H B (pH Units)			
PH	NT	NT	7.0
NOTES:			
1. ND = Not detected above the lab reporting limits shown in parenthesis.			
2. NT = Not tested.			