

Sample Identification

PB-11 0-3'
SB36664-13

Client Project #
01-214474.01

Matrix
Soil

Collection Date/Time
26-Sep-11 00:00

Received
04-Oct-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Volatile Organic Compounds													
	VOC Extraction	Field extracted		N/A			1	VOC Soil Extraction	04-Oct-11	04-Oct-11	BD	1120386	
Volatile Organic Compounds													
Prepared by method SW846 5035A Soil (low level)													
Initial weight: 5.65 g													
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	< 4.9		µg/kg dry	4.9	3.3	1	SW846 8260C	06-Oct-11	06-Oct-11	naa	1120619	
67-64-1	Acetone	< 49.1		µg/kg dry	49.1	36.9	1	"	"	"	"	"	
107-13-1	Acrylonitrile	< 4.9		µg/kg dry	4.9	4.4	1	"	"	"	"	"	
71-43-2	Benzene	< 4.9		µg/kg dry	4.9	2.6	1	"	"	"	"	"	
108-86-1	Bromobenzene	< 4.9		µg/kg dry	4.9	3.1	1	"	"	"	"	"	
74-97-5	Bromochloromethane	< 4.9		µg/kg dry	4.9	1.6	1	"	"	"	"	"	
75-27-4	Bromodichloromethane	< 4.9		µg/kg dry	4.9	1.9	1	"	"	"	"	"	
75-25-2	Bromoform	< 4.9		µg/kg dry	4.9	3.4	1	"	"	"	"	"	
74-83-9	Bromomethane	< 9.8		µg/kg dry	9.8	8.8	1	"	"	"	"	"	
78-93-3	2-Butanone (MEK)	< 49.1		µg/kg dry	49.1	42.1	1	"	"	"	"	"	
104-51-8	n-Butylbenzene	< 4.9		µg/kg dry	4.9	2.5	1	"	"	"	"	"	
135-98-8	sec-Butylbenzene	< 4.9		µg/kg dry	4.9	4.8	1	"	"	"	"	"	
98-06-6	tert-Butylbenzene	< 4.9		µg/kg dry	4.9	3.6	1	"	"	"	"	"	
75-15-0	Carbon disulfide	< 9.8		µg/kg dry	9.8	7.0	1	"	"	"	"	"	
56-23-5	Carbon tetrachloride	< 4.9		µg/kg dry	4.9	4.9	1	"	"	"	"	"	
108-90-7	Chlorobenzene	< 4.9		µg/kg dry	4.9	2.7	1	"	"	"	"	"	
75-00-3	Chloroethane	< 9.8		µg/kg dry	9.8	7.0	1	"	"	"	"	"	
67-66-3	Chloroform	< 4.9		µg/kg dry	4.9	2.4	1	"	"	"	"	"	
74-87-3	Chloromethane	< 9.8		µg/kg dry	9.8	2.5	1	"	"	"	"	"	
95-49-8	2-Chlorotoluene	< 4.9		µg/kg dry	4.9	3.0	1	"	"	"	"	"	
106-43-4	4-Chlorotoluene	< 4.9		µg/kg dry	4.9	4.4	1	"	"	"	"	"	
96-12-8	1,2-Dibromo-3-chloropropane	< 9.8		µg/kg dry	9.8	9.3	1	"	"	"	"	"	
124-48-1	Dibromochloromethane	< 4.9		µg/kg dry	4.9	2.4	1	"	"	"	"	"	
106-93-4	1,2-Dibromoethane (EDB)	< 4.9		µg/kg dry	4.9	3.0	1	"	"	"	"	"	
74-95-3	Dibromomethane	< 4.9		µg/kg dry	4.9	4.9	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 4.9		µg/kg dry	4.9	4.0	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 4.9		µg/kg dry	4.9	4.9	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 4.9		µg/kg dry	4.9	3.3	1	"	"	"	"	"	
75-71-8	Dichlorodifluoromethane (Freon12)	< 9.8		µg/kg dry	9.8	8.3	1	"	"	"	"	"	
75-34-3	1,1-Dichloroethane	< 4.9		µg/kg dry	4.9	4.5	1	"	"	"	"	"	
107-06-2	1,2-Dichloroethane	< 4.9		µg/kg dry	4.9	2.7	1	"	"	"	"	"	
75-35-4	1,1-Dichloroethene	< 4.9		µg/kg dry	4.9	2.4	1	"	"	"	"	"	
156-59-2	cis-1,2-Dichloroethene	< 4.9		µg/kg dry	4.9	2.1	1	"	"	"	"	"	
156-60-5	trans-1,2-Dichloroethene	< 4.9		µg/kg dry	4.9	4.1	1	"	"	"	"	"	
78-87-5	1,2-Dichloropropane	< 4.9		µg/kg dry	4.9	2.5	1	"	"	"	"	"	
142-28-9	1,3-Dichloropropane	< 4.9		µg/kg dry	4.9	2.5	1	"	"	"	"	"	
594-20-7	2,2-Dichloropropane	< 4.9		µg/kg dry	4.9	2.0	1	"	"	"	"	"	
563-58-6	1,1-Dichloropropene	< 4.9		µg/kg dry	4.9	3.0	1	"	"	"	"	"	
10061-01-5	cis-1,3-Dichloropropene	< 4.9		µg/kg dry	4.9	2.7	1	"	"	"	"	"	
10061-02-6	trans-1,3-Dichloropropene	< 4.9		µg/kg dry	4.9	1.4	1	"	"	"	"	"	
100-41-4	Ethylbenzene	< 4.9		µg/kg dry	4.9	3.0	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 4.9		µg/kg dry	4.9	4.2	1	"	"	"	"	"	

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* Reportable Detection Limit

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Sample Identification

PB-11 0-3'	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SB36664-13	01-214474.01	Soil	26-Sep-11 00:00	04-Oct-11

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Volatile Organic Compounds

Volatile Organic Compounds

Prepared by method SW846 5035A Soil (low level)

Initial weight: 5.65 g

591-78-6	2-Hexanone (MBK)	< 49.1		µg/kg dry	49.1	12.5	1	SW846 8260C	06-Oct-11	06-Oct-11	naa	1120619
98-82-8	Isopropylbenzene	< 4.9		µg/kg dry	4.9	2.5	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	< 4.9		µg/kg dry	4.9	2.0	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	< 4.9		µg/kg dry	4.9	3.6	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	< 49.1		µg/kg dry	49.1	16.0	1	"	"	"	"	"
75-09-2	Methylene chloride	< 9.8		µg/kg dry	9.8	2.5	1	"	"	"	"	"
91-20-3	Naphthalene	< 4.9		µg/kg dry	4.9	3.1	1	"	"	"	"	"
103-65-1	n-Propylbenzene	< 4.9		µg/kg dry	4.9	2.9	1	"	"	"	"	"
100-42-5	Styrene	< 4.9		µg/kg dry	4.9	3.6	1	"	"	"	"	"
630-20-6	1,1,1,2-Tetrachloroethane	< 4.9		µg/kg dry	4.9	4.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	< 4.9		µg/kg dry	4.9	3.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	< 4.9		µg/kg dry	4.9	2.8	1	"	"	"	"	"
108-88-3	Toluene	< 4.9		µg/kg dry	4.9	4.4	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	< 4.9		µg/kg dry	4.9	4.3	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	< 4.9		µg/kg dry	4.9	3.7	1	"	"	"	"	"
108-70-3	1,3,5-Trichlorobenzene	< 4.9		µg/kg dry	4.9	3.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	< 4.9		µg/kg dry	4.9	3.9	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	< 4.9		µg/kg dry	4.9	4.2	1	"	"	"	"	"
79-01-6	Trichloroethene	< 4.9		µg/kg dry	4.9	3.8	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	< 4.9		µg/kg dry	4.9	2.0	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	< 4.9		µg/kg dry	4.9	2.2	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	< 4.9		µg/kg dry	4.9	1.6	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	< 4.9		µg/kg dry	4.9	4.9	1	"	"	"	"	"
75-01-4	Vinyl chloride	< 4.9		µg/kg dry	4.9	4.6	1	"	"	"	"	"
179601-23-1	m,p-Xylene	< 9.8		µg/kg dry	9.8	9.5	1	"	"	"	"	"
95-47-6	o-Xylene	< 4.9		µg/kg dry	4.9	3.4	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	< 9.8		µg/kg dry	9.8	9.1	1	"	"	"	"	"
60-29-7	Ethyl ether	< 4.9		µg/kg dry	4.9	4.6	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	< 4.9		µg/kg dry	4.9	3.9	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	< 4.9		µg/kg dry	4.9	1.7	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	< 4.9		µg/kg dry	4.9	1.6	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	< 49.1		µg/kg dry	49.1	27.8	1	"	"	"	"	"
123-91-1	1,4-Dioxane	< 98.3		µg/kg dry	98.3	80.5	1	"	"	"	"	"
110-57-6	trans-1,4-Dichloro-2-buten e	< 24.6		µg/kg dry	24.6	12.6	1	"	"	"	"	"
64-17-5	Ethanol	< 1970		µg/kg dry	1970	411	1	"	"	"	"	"

Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	99	70-130 %	"	"	"	"	"
2037-26-5	Toluene-d8	100	70-130 %	"	"	"	"	"
17060-07-0	1,2-Dichloroethane-d4	115	70-130 %	"	"	"	"	"
1868-53-7	Dibromofluoromethane	101	70-130 %	"	"	"	"	"

Semivolatile Organic Compounds by GCMS

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* Reportable Detection Limit

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<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
Semivolatile Organic Compounds by GCMS													
<u>Semivolatile Organic Compounds by SW846 8270C</u>													
<u>Prepared by method SW846 3545A</u>													
83-32-9	Acenaphthene	< 339		µg/kg dry	339	38.3	1	SW846 8270D	05-Oct-11	07-Oct-11	MSL	1120405	
208-96-8	Acenaphthylene	< 339		µg/kg dry	339	38.9	1	"	"	"	"	"	
62-53-3	Aniline	< 679		µg/kg dry	679	193	1	"	"	"	"	"	
120-12-7	Anthracene	< 339		µg/kg dry	339	39.9	1	"	"	"	"	"	
103-33-3	Azobenzene/Diphenyldiazine	< 679		µg/kg dry	679	36.0	1	"	"	"	"	"	
92-87-5	Benzidine	< 679		µg/kg dry	679	263	1	"	"	"	"	"	
56-55-3	Benzo (a) anthracene	< 339		µg/kg dry	339	39.5	1	"	"	"	"	"	
50-32-8	Benzo (a) pyrene	< 339		µg/kg dry	339	44.8	1	"	"	"	"	"	
205-99-2	Benzo (b) fluoranthene	< 339		µg/kg dry	339	40.9	1	"	"	"	"	"	
191-24-2	Benzo (g,h,i) perylene	< 339		µg/kg dry	339	52.0	1	"	"	"	"	"	
207-08-9	Benzo (k) fluoranthene	< 339		µg/kg dry	339	60.1	1	"	"	"	"	"	
65-85-0	Benzoic acid	< 679		µg/kg dry	679	65.2	1	"	"	"	"	"	
100-51-6	Benzyl alcohol	< 679		µg/kg dry	679	47.1	1	"	"	"	"	"	
111-91-1	Bis(2-chloroethoxy)methane	< 679		µg/kg dry	679	32.1	1	"	"	"	"	"	
111-44-4	Bis(2-chloroethyl)ether	< 339		µg/kg dry	339	35.2	1	"	"	"	"	"	
108-60-1	Bis(2-chloroisopropyl)ether	< 339		µg/kg dry	339	52.3	1	"	"	"	"	"	
117-81-7	Bis(2-ethylhexyl)phthalate	< 339		µg/kg dry	339	30.4	1	"	"	"	"	"	
101-55-3	4-Bromophenyl phenyl ether	< 679		µg/kg dry	679	40.3	1	"	"	"	"	"	
85-68-7	Butyl benzyl phthalate	< 679		µg/kg dry	679	32.9	1	"	"	"	"	"	
86-74-8	Carbazole	< 339		µg/kg dry	339	70.6	1	"	"	"	"	"	
59-50-7	4-Chloro-3-methylphenol	< 679		µg/kg dry	679	40.9	1	"	"	"	"	"	
106-47-8	4-Chloroaniline	< 339		µg/kg dry	339	187	1	"	"	"	"	"	
91-58-7	2-Chloronaphthalene	< 679		µg/kg dry	679	44.4	1	"	"	"	"	"	
95-57-8	2-Chlorophenol	< 339		µg/kg dry	339	36.2	1	"	"	"	"	"	
7005-72-3	4-Chlorophenyl phenyl ether	< 679		µg/kg dry	679	38.1	1	"	"	"	"	"	
218-01-9	Chrysene	< 339		µg/kg dry	339	40.5	1	"	"	"	"	"	
53-70-3	Dibenzo (a,h) anthracene	< 339		µg/kg dry	339	46.9	1	"	"	"	"	"	
132-64-9	Dibenzofuran	< 339		µg/kg dry	339	53.1	1	"	"	"	"	"	
95-50-1	1,2-Dichlorobenzene	< 679		µg/kg dry	679	51.2	1	"	"	"	"	"	
541-73-1	1,3-Dichlorobenzene	< 679		µg/kg dry	679	38.9	1	"	"	"	"	"	
106-46-7	1,4-Dichlorobenzene	< 679		µg/kg dry	679	36.4	1	"	"	"	"	"	
91-94-1	3,3'-Dichlorobenzidine	< 679		µg/kg dry	679	200	1	"	"	"	"	"	
120-83-2	2,4-Dichlorophenol	< 339		µg/kg dry	339	34.4	1	"	"	"	"	"	
84-66-2	Diethyl phthalate	< 679		µg/kg dry	679	38.7	1	"	"	"	"	"	
131-11-3	Dimethyl phthalate	< 679		µg/kg dry	679	39.1	1	"	"	"	"	"	
105-67-9	2,4-Dimethylphenol	< 679		µg/kg dry	679	32.9	1	"	"	"	"	"	
84-74-2	Di-n-butyl phthalate	< 679		µg/kg dry	679	51.4	1	"	"	"	"	"	
534-52-1	4,6-Dinitro-2-methylphenol	< 679		µg/kg dry	679	80.2	1	"	"	"	"	"	
51-28-5	2,4-Dinitrophenol	< 679		µg/kg dry	679	40.5	1	"	"	"	"	"	
121-14-2	2,4-Dinitrotoluene	< 339		µg/kg dry	339	48.5	1	"	"	"	"	"	
606-20-2	2,6-Dinitrotoluene	< 339		µg/kg dry	339	53.9	1	"	"	"	"	"	

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* Reportable Detection Limit

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Sample Identification

PB-11 0-3'

SB36664-13

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Soil

Collection Date/Time

26-Sep-11 00:00

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04-Oct-11

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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Semivolatile Organic Compounds by GCMSSemivolatile Organic Compounds by SW846 8270CPrepared by method SW846 3545A

117-84-0	Di-n-octyl phthalate	< 679		µg/kg dry	679	63.8	1	SW846 8270D	05-Oct-11	07-Oct-11	MSL	1120405	
206-44-0	Fluoranthene	< 339		µg/kg dry	339	62.1	1	"	"	"	"	"	
86-73-7	Fluorene	< 339		µg/kg dry	339	43.2	1	"	"	"	"	"	
118-74-1	Hexachlorobenzene	< 339		µg/kg dry	339	45.3	1	"	"	"	"	"	
87-68-3	Hexachlorobutadiene	< 339		µg/kg dry	339	33.7	1	"	"	"	"	"	
77-47-4	Hexachlorocyclopentadiene	< 339		µg/kg dry	339	64.2	1	"	"	"	"	"	
67-72-1	Hexachloroethane	< 339		µg/kg dry	339	39.5	1	"	"	"	"	"	
193-39-5	Indeno (1,2,3-cd) pyrene	< 339		µg/kg dry	339	62.7	1	"	"	"	"	"	
78-59-1	Isophorone	< 339		µg/kg dry	339	41.8	1	"	"	"	"	"	
91-57-6	2-Methylnaphthalene	< 339		µg/kg dry	339	40.1	1	"	"	"	"	"	
95-48-7	2-Methylphenol	< 679		µg/kg dry	679	47.5	1	"	"	"	"	"	
108-39-4, 106-44-5	3 & 4-Methylphenol	< 679		µg/kg dry	679	44.8	1	"	"	"	"	"	
91-20-3	Naphthalene	< 339		µg/kg dry	339	34.4	1	"	"	"	"	"	
88-74-4	2-Nitroaniline	< 679		µg/kg dry	679	40.9	1	"	"	"	"	"	
99-09-2	3-Nitroaniline	< 679		µg/kg dry	679	122	1	"	"	"	"	"	
100-01-6	4-Nitroaniline	< 339		µg/kg dry	339	55.5	1	"	"	"	"	"	
98-95-3	Nitrobenzene	< 339		µg/kg dry	339	48.3	1	"	"	"	"	"	
88-75-5	2-Nitrophenol	< 339		µg/kg dry	339	37.6	1	"	"	"	"	"	
100-02-7	4-Nitrophenol	< 2720		µg/kg dry	2720	102	1	"	"	"	"	"	
62-75-9	N-Nitrosodimethylamine	< 339		µg/kg dry	339	93.8	1	"	"	"	"	"	
621-64-7	N-Nitrosodi-n-propylamine	< 339		µg/kg dry	339	46.1	1	"	"	"	"	"	
86-30-6	N-Nitrosodiphenylamine	< 679		µg/kg dry	679	39.9	1	"	"	"	"	"	
87-86-5	Pentachlorophenol	< 679		µg/kg dry	679	38.3	1	"	"	"	"	"	
85-01-8	Phenanthrene	< 339		µg/kg dry	339	38.3	1	"	"	"	"	"	
108-95-2	Phenol	< 679		µg/kg dry	679	42.6	1	"	"	"	"	"	
129-00-0	Pyrene	< 339		µg/kg dry	339	68.3	1	"	"	"	"	"	
110-86-1	Pyridine	< 679		µg/kg dry	679	80.4	1	"	"	"	"	"	
120-82-1	1,2,4-Trichlorobenzene	< 679		µg/kg dry	679	31.1	1	"	"	"	"	"	
90-12-0	1-Methylnaphthalene	< 339		µg/kg dry	339	49.8	1	"	"	"	"	"	
95-95-4	2,4,5-Trichlorophenol	< 679		µg/kg dry	679	62.5	1	"	"	"	"	"	
88-06-2	2,4,6-Trichlorophenol	< 339		µg/kg dry	339	37.9	1	"	"	"	"	"	
82-68-8	Pentachloronitrobenzene	< 679		µg/kg dry	679	333	1	"	"	"	"	"	
95-94-3	1,2,4,5-Tetrachlorobenzene	< 679		µg/kg dry	679	41.8	1	"	"	"	"	"	

Surrogate recoveries:

321-60-8	2-Fluorobiphenyl	81			30-130 %			"	"	"	"	"	
367-12-4	2-Fluorophenol	85			30-130 %			"	"	"	"	"	
4165-60-0	Nitrobenzene-d5	98			30-130 %			"	"	"	"	"	
4165-62-2	Phenol-d5	83			30-130 %			"	"	"	"	"	
1718-51-0	Terphenyl-d14	85			30-130 %			"	"	"	"	"	
118-79-6	2,4,6-Tribromophenol	85			30-130 %			"	"	"	"	"	

Semivolatile Organic Compounds by GCPolychlorinated Biphenyls by SW846 8082Prepared by method SW846 3545A*This laboratory report is not valid without an authorized signature on the cover page.*

* Reportable Detection Limit

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Sample Identification

PB-11 0-3'	<u>Client Project #</u>	<u>Matrix</u>	<u>Collection Date/Time</u>	<u>Received</u>
SB36664-13	01-214474.01	Soil	26-Sep-11 00:00	04-Oct-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
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Semivolatile Organic Compounds by GC

Polychlorinated Biphenyls by SW846 8082

Prepared by method SW846 3545A

12674-11-2	Aroclor-1016	< 19.9		µg/kg dry	19.9	9.92	1	SW846 8082A	06-Oct-11	07-Oct-11	SM	1120538
11104-28-2	Aroclor-1221	< 19.9		µg/kg dry	19.9	17.9	1	"	"	"	"	"
11141-16-5	Aroclor-1232	< 19.9		µg/kg dry	19.9	12.8	1	"	"	"	"	"
53469-21-9	Aroclor-1242	< 19.9		µg/kg dry	19.9	11.7	1	"	"	"	"	"
12672-29-6	Aroclor-1248	518		µg/kg dry	19.9	9.75	1	"	"	"	"	"
11097-69-1	Aroclor-1254	< 19.9		µg/kg dry	19.9	14.6	1	"	"	"	"	"
11096-82-5	Aroclor-1260	29.8		µg/kg dry	19.9	7.61	1	"	"	"	"	"
37324-23-5	Aroclor-1262	< 19.9		µg/kg dry	19.9	18.5	1	"	"	"	"	"
11100-14-4	Aroclor-1268	< 19.9		µg/kg dry	19.9	6.24	1	"	"	"	"	"

Surrogate recoveries:

10386-84-2	4,4-DB-Octafluorobiphenyl (Sr)	120			30-150 %			"	"	"	"	"
10386-84-2	4,4-DB-Octafluorobiphenyl (Sr) [2C]	109			30-150 %			"	"	"	"	"
2051-24-3	Decachlorobiphenyl (Sr)	112			30-150 %			"	"	"	"	"
2051-24-3	Decachlorobiphenyl (Sr) [2C]	103			30-150 %			"	"	"	"	"

Extractable Petroleum Hydrocarbons

TPH 8100 by GC

R01

Prepared by method SW846 3545A

8006-61-9	Gasoline	< 27.4		mg/kg dry	27.4	16.0	2	SW846 8100Mod.	05-Oct-11	07-Oct-11	SEW	1120404
68476-30-2	Fuel Oil #2	< 27.4		mg/kg dry	27.4	15.9	2	"	"	"	"	"
68476-31-3	Fuel Oil #4	< 27.4		mg/kg dry	27.4	2.7	2	"	"	"	"	"
68553-00-4	Fuel Oil #6	< 27.4		mg/kg dry	27.4	16.3	2	"	"	"	"	"
M09800000	Motor Oil	< 27.4		mg/kg dry	27.4	15.0	2	"	"	"	"	"
8032-32-4	Ligroin	< 27.4		mg/kg dry	27.4	6.8	2	"	"	"	"	"
J00100000	Aviation Fuel	< 27.4		mg/kg dry	27.4	6.8	2	"	"	"	"	"
	Hydraulic Oil	< 27.4		mg/kg dry	27.4	2.7	2	"	"	"	"	"
	Dielectric Fluid	< 27.4		mg/kg dry	27.4	6.8	2	"	"	"	"	"
	Unidentified	164		mg/kg dry	27.4	6.8	2	"	"	"	"	"
	Other Oil	Calculated as		mg/kg dry	27.4	2.7	2	"	"	"	"	"
	Total Petroleum Hydrocarbons	164		mg/kg dry	27.4	2.7	2	"	"	"	"	"

Surrogate recoveries:

3386-33-2	1-Chlorooctadecane	109			40-140 %			"	"	"	"	"
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Total Metals by EPA 6000/7000 Series Methods

7440-22-4	Silver	< 1.41		mg/kg dry	1.41	0.216	1	SW846 6010C	06-Oct-11	08-Oct-11	ALT/A	1120620
7440-38-2	Arsenic	< 1.41		mg/kg dry	1.41	0.226	1	"	"	"	"	"
7440-39-3	Barium	25.4		mg/kg dry	0.937	0.226	1	"	"	"	"	"
7440-43-9	Cadmium	< 0.469		mg/kg dry	0.469	0.0517	1	"	"	"	"	"
7440-47-3	Chromium	9.11		mg/kg dry	0.937	0.342	1	"	"	10-Oct-11	"	"
7439-97-6	Mercury	< 0.0288		mg/kg dry	0.0288	0.0059	1	SW846 7471B	"	11-Oct-11	EDT	1120621
7439-92-1	Lead	12.5		mg/kg dry	1.41	0.167	1	SW846 6010C	"	08-Oct-11	ALT/A	1120620
7782-49-2	Selenium	< 1.41		mg/kg dry	1.41	0.208	1	"	"	"	"	"

General Chemistry Parameters

% Solids	95.1		%				1	SM2540 G Mod.	04-Oct-11	04-Oct-11	DT	1120363
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* Reportable Detection Limit

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Sample Identification**PB-11 0-3'**

SB36664-13

Client Project #

01-214474.01

Matrix

Soil

Collection Date/Time

26-Sep-11 00:00

Received

04-Oct-11

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
General Chemistry Parameters													
	Specific Conductance (EC)	211		uS/cm	10.0	10.0	1	SM2510B	05-Oct-11	05-Oct-11	BD	1120437	
Toxicity Characteristics													
	Ignitability by Definition	Negative	IgHT	N/A			1	SW846 1030	08-Oct-11 09:00	08-Oct-11 12:12	VK	1120821	
	pH	5.77	pH	pH Units			1	SW846 9045D	05-Oct-11 10:19	05-Oct-11 13:24	BD	1120435	
<u>Reactivity Cyanide/Sulfide</u>													
<u>Prepared by method General Preparation</u>													
	Reactivity	Nonreactive		mg/kg dry			1	SW846 Ch. 7.3	05-Oct-11	05-Oct-11	BD	1120491	
	Reactive Cyanide	< 23.2		mg/kg dry	23.2	2.32	1	"	"	"	"	"	
	Reactive Sulfide	< 46.5		mg/kg dry	46.5	4.65	1	"	"	"	"	"	