

Phoenix Environmental Laboratories, Inc.

587 East Middle Turnpike
P.O. Box 370
Manchester, CT 06040
(860) 645-1102

Lab Sample Id
Collection Date
Client Id
Matrix

CS03577
11/7/2024
IMPORT SOILS
Soil

Project Id : 41 GLENBROOK DR

	CAS	Units	NY-GWP	NY-Res.	Result	RL
Miscellaneous/Inorganics						
Percent Solid	PHNX - PCTSOLID	%			95	
Chromium, Hex. (SW3060A digestion)	18540-29-9	mg/Kg	19	22	< 0.39	0.39
Methylacetate	79-20-9	ug/Kg			< 4.7	4.7
pH at 25C - Soil	PHNX - PH	pH Units			7.3	1.00
Redox Potential	PHNX - REDOX	mV			246	
Total Cyanide (SW9010C Distill.)	57-12-5	mg/Kg	40	27	< 0.53	0.53
Metals, Total						
Arsenic	7440-38-2	mg/Kg	16	16	2.41	0.75
Barium	7440-39-3	mg/Kg	820	350	58.1	0.38
Beryllium	7440-41-7	mg/Kg	47	14	0.47	0.30
Cadmium	7440-43-9	mg/Kg	7.5	2.5	0.41	0.38
Chromium	7440-47-3	mg/Kg			19.8	0.38
Copper	7440-50-8	mg/kg	1,720	270	28.1	0.8
Lead	7439-92-1	mg/Kg	450	400	27.9	0.38
Manganese	7439-96-5	mg/Kg	2,000	2,000	433	0.38
Mercury	7439-97-6	mg/Kg	0.73	0.81	< 0.03	0.03
Nickel	7440-02-0	mg/Kg	130	140	21.6	0.38
Selenium	7782-49-2	mg/Kg	4	36	< 1.5	1.5
Silver	7440-22-4	mg/Kg	8.3	36	< 0.38	0.38
Trivalent Chromium	16065-83-1	mg/kg		36	19.8	0.38
Zinc	7440-66-6	mg/Kg	2,480	2,200	56.2	0.8
PCBs By SW8082A						
PCB-1016	12674-11-2	ug/Kg		1,000	< 340	340
PCB-1221	11104-28-2	ug/Kg		1,000	< 340	340
PCB-1232	11141-16-5	ug/Kg		1,000	< 340	340
PCB-1242	53469-21-9	ug/Kg		1,000	< 340	340
PCB-1248	12672-29-6	ug/Kg		1,000	< 340	340
PCB-1254	11097-69-1	ug/Kg		1,000	< 340	340
PCB-1260	11096-82-5	ug/Kg		1,000	< 340	340
PCB-1262	37324-23-5	ug/Kg			< 340	340
PCB-1268	11100-14-4	ug/Kg			< 340	340
Volatiles By SW8260D						
1,1,1,2-Tetrachloroethane	630-20-6	ug/Kg			< 4.7	4.7
1,1,1-Trichloroethane	71-55-6	ug/Kg	680	100,000	< 4.7	4.7
1,1,2,2-Tetrachloroethane	79-34-5	ug/Kg			< 4.7	4.7
1,1,2-Trichloroethane	79-00-5	ug/Kg			< 4.7	4.7
1,1-Dichloroethane	75-34-3	ug/Kg	270	19,000	< 4.7	4.7
1,1-Dichloroethene	75-35-4	ug/Kg	330	100,000	< 4.7	4.7
1,1-Dichloropropene	563-58-6	ug/Kg			< 4.7	4.7
1,2,3-Trichlorobenzene	87-61-6	ug/Kg			< 4.7	4.7
1,2,3-Trichloropropane	96-18-4	ug/Kg			< 4.7	4.7
1,2,4-Trichlorobenzene	120-82-1	ug/Kg			< 4.7	4.7
1,2,4-Trimethylbenzene	95-63-6	ug/Kg	3,600	47,000	< 4.7	4.7
1,2-Dibromo-3-chloropropane	96-12-8	ug/Kg			< 4.7	4.7
1,2-Dibromoethane	106-93-4	ug/Kg			< 4.7	4.7
1,2-Dichlorobenzene	95-50-1	ug/Kg	1,100	100,000	< 4.7	4.7
1,2-Dichloroethane	107-06-2	ug/Kg	20	2,300	< 4.7	4.7
1,2-Dichloropropane	78-87-5	ug/Kg			< 4.7	4.7
1,3,5-Trimethylbenzene	108-67-8	ug/Kg	8,400	47,000	< 4.7	4.7

1,3-Dichlorobenzene	541-73-1	ug/Kg	2,400	17,000	< 4.7	4.7
1,3-Dichloropropane	142-28-9	ug/Kg			< 4.7	4.7
1,4-Dichlorobenzene	106-46-7	ug/Kg	1,800	9,800	< 4.7	4.7
2,2-Dichloropropane	594-20-7	ug/Kg			< 4.7	4.7
2-Chlorotoluene	95-49-8	ug/Kg			< 4.7	4.7
2-Hexanone	591-78-6	ug/Kg			< 24	24
2-Isopropyltoluene	527-84-4	ug/Kg			< 4.7	4.7
4-Chlorotoluene	106-43-4	ug/Kg			< 4.7	4.7
4-Methyl-2-pentanone	108-10-1	ug/Kg			< 24	24
Acetone	67-64-1	ug/Kg	50	100,000	< 24	24
Acrylonitrile	107-13-1	ug/Kg			< 19	19
Benzene	71-43-2	ug/Kg	60	2,900	< 4.7	4.7
Bromobenzene	108-86-1	ug/Kg			< 4.7	4.7
Bromochloromethane	74-97-5	ug/Kg			< 4.7	4.7
Bromodichloromethane	75-27-4	ug/Kg			< 4.7	4.7
Bromoform	75-25-2	ug/Kg			< 4.7	4.7
Bromomethane	74-83-9	ug/Kg			< 4.7	4.7
Carbon Disulfide	75-15-0	ug/Kg			< 4.7	4.7
Carbon tetrachloride	56-23-5	ug/Kg	760	1,400	< 4.7	4.7
Chlorobenzene	108-90-7	ug/Kg	1,100	100,000	< 4.7	4.7
Chloroethane	75-00-3	ug/Kg			< 4.7	4.7
Chloroform	67-66-3	ug/Kg	370	10,000	< 4.7	4.7
Chloromethane	74-87-3	ug/Kg			< 4.7	4.7
cis-1,2-Dichloroethene	156-59-2	ug/Kg	250	59,000	< 4.7	4.7
cis-1,3-Dichloropropene	10061-01-5	ug/Kg			< 4.7	4.7
Dibromochloromethane	124-48-1	ug/Kg			< 4.7	4.7
Dibromomethane	74-95-3	ug/Kg			< 4.7	4.7
Dichlorodifluoromethane	75-71-8	ug/Kg			< 4.7	4.7
Ethylbenzene	100-41-4	ug/Kg	1,000	30,000	< 4.7	4.7
Hexachlorobutadiene	87-68-3	ug/Kg			< 4.7	4.7
Isopropylbenzene	98-82-8	ug/Kg			< 4.7	4.7
m&p-Xylene	179601-23-1	ug/Kg			< 4.7	4.7
Methyl Ethyl Ketone	78-93-3	ug/Kg	120	100,000	< 24	24
Methyl t-butyl ether (MTBE)	1634-04-4	ug/Kg	930	62,000	< 9.5	9.5
Methylene chloride	75-09-2	ug/Kg	50	51,000	< 9.5	9.5
Naphthalene	91-20-3	ug/Kg	12,000	100,000	< 4.7	4.7
n-Butylbenzene	104-51-8	ug/Kg	12,000	100,000	< 4.7	4.7
n-Propylbenzene	103-65-1	ug/Kg	3,900	100,000	< 4.7	4.7
o-Xylene	95-47-6	ug/Kg			< 4.7	4.7
p-Isopropyltoluene	99-87-6	ug/Kg			< 4.7	4.7
sec-Butylbenzene	135-98-8	ug/Kg	11,000	100,000	< 4.7	4.7
Styrene	100-42-5	ug/Kg			< 4.7	4.7
tert-Butylbenzene	98-06-6	ug/Kg	5,900	100,000	< 4.7	4.7
Tetrachloroethene	127-18-4	ug/Kg	1,300	5,500	< 4.7	4.7
Tetrahydrofuran (THF)	109-99-9	ug/Kg			< 9.5	9.5
Toluene	108-88-3	ug/Kg	700	100,000	< 4.7	4.7
Total Xylenes	1330-20-7	ug/Kg	1,600		< 4.7	4.7
trans-1,2-Dichloroethene	156-60-5	ug/Kg	190	100,000	< 4.7	4.7
trans-1,3-Dichloropropene	10061-02-6	ug/Kg			< 4.7	4.7
trans-1,4-dichloro-2-butene	110-57-6	ug/Kg			< 9.5	9.5
Trichloroethene	79-01-6	ug/Kg	470	10,000	< 4.7	4.7
Trichlorofluoromethane	75-69-4	ug/Kg			< 4.7	4.7
Trichlorotrifluoroethane	76-13-1	ug/Kg			< 4.7	4.7
Vinyl chloride	75-01-4	ug/Kg	20	210	< 4.7	4.7
Acrolein	107-02-8	ug/Kg			< 4.7	4.7
Tert-butyl alcohol	75-65-0	ug/Kg			< 95	95
Semivolatiles By SW8270E						
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/Kg			< 240	240
1,2,4-Trichlorobenzene	120-82-1	ug/Kg			< 240	240
1,2-Dichlorobenzene	95-50-1	ug/Kg	1,100	100,000	< 240	240
1,2-Diphenylhydrazine	122-66-7	ug/Kg			< 340	340

1,3-Dichlorobenzene	541-73-1	ug/Kg	2,400	17,000	< 240	240
1,4-Dichlorobenzene	106-46-7	ug/Kg	1,800	9,800	< 240	240
2,2'-Oxybis(1-Chloropropane)	108-60-1	ug/Kg			< 240	240
2,4,5-Trichlorophenol	95-95-4	ug/Kg			< 240	240
2,4,6-Trichlorophenol	88-06-2	ug/Kg			< 240	240
2,4-Dichlorophenol	120-83-2	ug/Kg			< 240	240
2,4-Dimethylphenol	105-67-9	ug/Kg			< 240	240
2,4-Dinitrophenol	51-28-5	ug/Kg			< 340	340
2,4-Dinitrotoluene	121-14-2	ug/Kg			< 240	240
2,6-Dinitrotoluene	606-20-2	ug/Kg			< 240	240
2-Chloronaphthalene	91-58-7	ug/Kg			< 240	240
2-Chlorophenol	95-57-8	ug/Kg			< 240	240
2-Methylnaphthalene	91-57-6	ug/Kg			< 240	240
2-Methylphenol (o-cresol)	95-48-7	ug/Kg	330	100,000	< 240	240
2-Nitroaniline	88-74-4	ug/Kg			< 340	340
2-Nitrophenol	88-75-5	ug/Kg			< 240	240
3&4-Methylphenol (m&p-cresol)	PHNX - M&P CRESOL	ug/Kg			< 340	340
3,3'-Dichlorobenzidine	91-94-1	ug/Kg			< 240	240
3-Nitroaniline	99-09-2	ug/Kg			< 340	340
4,6-Dinitro-2-methylphenol	534-52-1	ug/Kg			< 340	340
4-Bromophenyl phenyl ether	101-55-3	ug/Kg			< 340	340
4-Chloro-3-methylphenol	59-50-7	ug/Kg			< 240	240
4-Chloroaniline	106-47-8	ug/Kg			< 240	240
4-Chlorophenyl phenyl ether	7005-72-3	ug/Kg			< 240	240
4-Nitroaniline	100-01-6	ug/Kg			< 550	550
4-Nitrophenol	100-02-7	ug/Kg			< 240	240
Acenaphthene	83-32-9	ug/Kg	98,000	100,000	< 240	240
Acenaphthylene	208-96-8	ug/Kg	107,000	100,000	< 240	240
Acetophenone	98-86-2	ug/Kg			< 240	240
Aniline	62-53-3	ug/Kg			< 340	340
Anthracene	120-12-7	ug/Kg	1,000,000	100,000	< 240	240
Benz(a)anthracene	56-55-3	ug/Kg	1,000	1,000	< 240	240
Benzidine	92-87-5	ug/Kg			< 240	240
Benzo(a)pyrene	50-32-8	ug/Kg	22,000	1,000	< 240	240
Benzo(b)fluoranthene	205-99-2	ug/Kg	1,700	1,000	< 240	240
Benzo(ghi)perylene	191-24-2	ug/Kg	1,000,000	100,000	< 240	240
Benzo(k)fluoranthene	207-08-9	ug/Kg	1,700	1,000	< 240	240
Benzoic acid	65-85-0	ug/Kg			< 680	680
Benzyl butyl phthalate	85-68-7	ug/Kg			< 240	240
Bis(2-chloroethoxy)methane	111-91-1	ug/Kg			< 240	240
Bis(2-chloroethyl)ether	111-44-4	ug/Kg			< 340	340
Bis(2-ethylhexyl)phthalate	117-81-7	ug/Kg			< 340	340
Carbazole	86-74-8	ug/Kg			< 340	340
Chrysene	218-01-9	ug/Kg	1,000	1,000	< 240	240
Dibenz(a,h)anthracene	53-70-3	ug/Kg	1,000,000	330	< 240	240
Dibenzofuran	132-64-9	ug/Kg	210,000	14,000	< 240	240
Diethyl phthalate	84-66-2	ug/Kg			< 240	240
Dimethylphthalate	131-11-3	ug/Kg			< 240	240
Di-n-butylphthalate	84-74-2	ug/Kg			< 340	340
Di-n-octylphthalate	117-84-0	ug/Kg			< 240	240
Fluoranthene	206-44-0	ug/Kg	1,000,000	100,000	< 240	240
Fluorene	86-73-7	ug/Kg	386,000	100,000	< 240	240
Hexachlorobenzene	118-74-1	ug/Kg	3,200	330	< 240	240
Hexachlorobutadiene	87-68-3	ug/Kg			< 240	240
Hexachlorocyclopentadiene	77-47-4	ug/Kg			< 240	240
Hexachloroethane	67-72-1	ug/Kg			< 240	240
Indeno(1,2,3-cd)pyrene	193-39-5	ug/Kg	8,200	500	< 240	240
Isophorone	78-59-1	ug/Kg			< 240	240
Naphthalene	91-20-3	ug/Kg	12,000	100,000	< 240	240
Nitrobenzene	98-95-3	ug/Kg			< 240	240
N-Nitrosodimethylamine	62-75-9	ug/Kg			< 340	340
N-Nitrosodi-n-propylamine	621-64-7	ug/Kg			< 240	240

N-Nitrosodiphenylamine	86-30-6	ug/Kg			< 340	340
Pentachloronitrobenzene	82-68-8	ug/Kg			< 340	340
Pentachlorophenol	87-86-5	ug/Kg	800	2,400	< 340	340
Phenanthrene	85-01-8	ug/Kg	1,000,000	100,000	< 240	240
Phenol	108-95-2	ug/Kg	330	100,000	< 240	240
Pyrene	129-00-0	ug/Kg	1,000,000	100,000	< 240	240
Pyridine	110-86-1	ug/Kg			< 340	340
Pesticides - Soil By SW8081B						
4,4' -DDD	72-54-8	ug/Kg	14,000	2,600	< 2.0	2.0
4,4' -DDE	72-55-9	ug/Kg	17,000	1,800	< 2.0	2.0
4,4' -DDT	50-29-3	ug/Kg	136,000	1,700	4.6	2.0
a-BHC	319-84-6	ug/Kg	20	97	< 6.8	6.8
a-Chlordane	5103-71-9	ug/Kg	2,900	910	5.7	3.4
Aldrin	309-00-2	ug/Kg	190	19	< 3.4	3.4
b-BHC	319-85-7	ug/Kg	90	72	< 6.8	6.8
Chlordane	57-74-9	ug/Kg			< 34	34
d-BHC	319-86-8	ug/Kg	250	100,000	< 6.8	6.8
Dieldrin	60-57-1	ug/Kg	100	39	< 3.4	3.4
Endosulfan I	959-98-8	ug/Kg	102,000	4,800	< 6.8	6.8
Endosulfan II	33213-65-9	ug/Kg	102,000	4,800	< 6.8	6.8
Endosulfan sulfate	1031-07-8	ug/Kg	1,000,000	4,800	< 6.8	6.8
Endrin	72-20-8	ug/Kg	60	2,200	< 6.8	6.8
Endrin aldehyde	7421-93-4	ug/Kg			< 6.8	6.8
Endrin ketone	53494-70-5	ug/Kg			< 6.8	6.8
g-BHC	58-89-9	ug/Kg	100	280	< 1.4	1.4
g-Chlordane	5103-74-2	ug/Kg			3.9	3.4
Heptachlor	76-44-8	ug/Kg	380	420	< 6.8	6.8
Heptachlor epoxide	1024-57-3	ug/Kg			< 6.8	6.8
Methoxychlor	72-43-5	ug/Kg			< 34	34
Toxaphene	8001-35-2	ug/Kg			< 140	140
Chlorinated Herbicides By SW8151A						
2,4,5-T	93-76-5	ug/Kg			< 130	130
2,4,5-TP (Silvex)	93-72-1	ug/Kg	3,800	58,000	< 130	130
2,4-D	94-75-7	ug/Kg			< 260	260
2,4-DB	94-82-6	ug/Kg			< 2600	2,600
Dalapon	75-99-0	ug/Kg			< 130	130
Dicamba	1918-00-9	ug/Kg			< 130	130
Dichloroprop	120-36-5	ug/Kg			< 260	260
Dinoseb	88-85-7	ug/Kg			< 260	260
Additional Semi-Volatile Compounds By SW8270E						
1,1-Biphenyl	92-52-4	ug/Kg			< 240	240
1,2,4,5-Tetrachlorobenzene	95-94-3	ug/Kg			< 240	240
Atrazine	1912-24-9	ug/Kg			< 140	140
Benzaldehyde	100-52-7	ug/Kg			< 240	240
Benzo(a)pyrene	50-32-8	ug/Kg	22,000	1,000	< 240	240
Caprolactam	105-60-2	ug/Kg			< 140	140
1,4-dioxane By SW8260D						
1,4-dioxane	123-91-1	ug/kg	100	9,800	< 71	71

Result Detected 

RL Exceeds Criteria 

Result Exceeds Criteria 

Phoenix Environmental Laboratories, Inc.

587 East Middle Turnpike

P.O. Box 370

Manchester, CT 06040

(860) 645-1102

Lab Sample Id

CS03577

Sample Comments

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

The regulatory hold time for pH is immediately. This pH was performed in the laboratory and may be considered outside of hold-time.

Hexavalent Chromium:

This sample is in a reducing state.