

SAMPLE ID:	TOPSOIL 1-6
LAB ID:	L2512283-01
COLLECTION DATE:	3/5/2025
SAMPLE DEPTH:	
SAMPLE MATRIX:	SOIL

ANALYTE	CAS	NJ-MGW-SRS (mg/kg)	NJ-NRI-SRS (mg/kg)	NJ-NRID-SRS (mg/kg)	NJ-RI-SRS (mg/kg)	NJ-RID-SRS (mg/kg)	Conc	Q	RL	MDL
VOLATILE ORGANICS BY EPA 5035										
1,2-Dibromo-3-chloropropane	96-12-8	0.005	0.12	4.5	0.026	0.87	ND		0.0041	0.0014
1,4-Dioxane	123-91-1	0.067	210	36	45	7	ND		0.11	0.048
1,2-Dibromoethane	106-93-4	0.005	0.41	1.8	0.085	0.35	ND		0.0014	0.00038
Methylene chloride	75-09-2	0.013		260	1400	50	ND		0.0069	0.0032
1,1-Dichloroethane	75-34-3	0.24		640		120	ND		0.0014	0.0002
Chloroform	67-66-3	0.33		13000	590	780	ND		0.0021	0.00019
Carbon tetrachloride	56-23-5	0.0075	6.9	40	1.4	7.6	ND		0.0014	0.00032
1,2-Dichloropropane	78-87-5	0.0058	27	98	5.7	19	ND		0.0014	0.00017
Dibromochloromethane	124-48-1	0.005		43		8.3	ND		0.0014	0.00019
1,1,2-Trichloroethane	79-00-5	0.017		64		12	ND		0.0014	0.00037
Tetrachloroethene	127-18-4	0.0086		1700	47	330	ND		0.00069	0.00027
Chlorobenzene	108-90-7	0.64		8400		510	ND		0.00069	0.00018
Trichlorofluoromethane	75-69-4	29		390000		23000	ND		0.0055	0.00096
1,2-Dichloroethane	107-06-2	0.0095	320	30	71	5.8	ND		0.0014	0.00036
1,1,1-Trichloroethane	71-55-6	0.2				160000	ND		0.00069	0.00023
Bromodichloromethane	75-27-4	0.005		59		11	ND		0.00069	0.00015
trans-1,3-Dichloropropene	10061-02-6	0.0063	23	36	4.8	7	ND		0.0014	0.00038
cis-1,3-Dichloropropene	10061-01-5	0.0063	23	36	4.8	7	ND		0.00069	0.00022
1,3-Dichloropropene, Total	542-75-6						ND		0.00069	0.00022
Bromoform	75-25-2	0.018		460		88	ND		0.0055	0.00034
1,1,1,2-Tetrachloroethane	79-34-5	0.0069		18		3.5	ND		0.00069	0.00023
Benzene	71-43-2	0.0094	11	16	2.2	3	ND		0.00069	0.00023
Toluene	108-88-3	7.8		100000		6300	ND		0.0014	0.00075
Ethylbenzene	100-41-4	15	48	130000	10	7800	ND		0.0014	0.00019
Chloromethane	74-87-3		1200		270		ND		0.0055	0.0013
Bromomethane	74-83-9	0.043	82	1800	18	110	ND		0.0028	0.0008
Vinyl chloride	75-01-4	0.0067	6.4	5	1.4	0.97	ND		0.0014	0.00046
Chloroethane	75-00-3						ND		0.0028	0.00062
1,1-Dichloroethene	75-35-4	0.0069	240	180	52	11	ND		0.0014	0.00033
trans-1,2-Dichloroethene	156-60-5	0.56		22000		1300	ND		0.0021	0.00019
Trichloroethene	79-01-6	0.0065	14	79	3	15	ND		0.00069	0.00019
1,2-Dichlorobenzene	95-50-1	11		110000		6700	ND		0.0028	0.0002
1,3-Dichlorobenzene	541-73-1	11		110000		6700	ND		0.0028	0.0002
1,4-Dichlorobenzene	106-46-7	1.4		13000		780	ND		0.0028	0.00024
Methyl tert butyl ether	1634-04-4	0.25	650	13000	140	780	ND		0.0028	0.00028
p/m-Xylene	179601-23-1	19		190000		12000	ND		0.0028	0.00077
o-Xylene	95-47-6	19		190000		12000	ND		0.0014	0.0004
Xylenes, Total	1330-20-7	19		190000		12000	ND		0.0014	0.0004
cis-1,2-Dichloroethene	156-59-2	0.35		13000		780	ND		0.0014	0.00024
1,2-Dichloroethene, Total	540-59-0						ND		0.0014	0.00019
Styrene	100-42-5	2.1		260000		16000	ND		0.0014	0.00027
Dichlorodifluoromethane	75-71-8	38		260000		16000	ND		0.014	0.0013
Acetone	67-64-1	19				70000	ND		0.034	0.014
Carbon disulfide	75-15-0	3.7					ND		0.014	0.0063



2-Butanone	78-93-3	0.98		780000		47000	ND	0.014	0.0031
4-Methyl-2-pentanone	108-10-1						ND	0.014	0.0018
2-Hexanone	591-78-6	0.15		6500	1000	390	ND	0.014	0.0016
Bromochloromethane	74-97-5						ND	0.0028	0.00028
Isopropylbenzene	98-82-8	22		130000		7800	ND	0.0014	0.00015
1,2,3-Trichlorobenzene	87-61-6						ND	0.0028	0.00044
1,2,4-Trichlorobenzene	120-82-1	0.52		13000	94	780	ND	0.0028	0.00038
Methyl Acetate	79-20-9	22				78000	ND	0.0055	0.0013
Cyclohexane	110-82-7						ND	0.014	0.00075
Methyl cyclohexane	108-87-2						ND	0.0055	0.00083
Freon-113	76-13-1						ND	0.0055	0.00096
Total VOCs							-	-	-
VOLATILE ORGANICS BY EPA 5035-TIC									
Unknown							0.006	J	0
Total TIC Compounds							0.006	J	0
SEMIVOLATILE ORGANICS BY GC/MS									
Acenaphthene	83-32-9			50000		3600	ND	0.36	0.038
2-Chloronaphthalene	91-58-7			67000		4800	ND	0.45	0.043
Hexachlorobenzene	118-74-1	0.17		2.3		0.43	ND	0.13	0.043
Bis(2-chloroethyl)ether	111-44-4	0.33		3.3		0.63	ND	0.16	0.054
3,3'-Dichlorobenzidine	91-94-1	3.9		5.7		1.2	ND	0.34	0.12
2,4-Dinitrotoluene	121-14-2	0.27		3.8		0.8	ND	0.22	0.075
2,6-Dinitrotoluene	606-20-2	0.27		3.8		0.8	ND	0.18	0.059
Fluoranthene	206-44-0			33000		2400	ND	0.27	0.052
4-Chlorophenyl phenyl ether	7005-72-3						ND	0.45	0.038
Bis(2-chloroisopropyl)ether	108-60-1	1.9		52000		3100	ND	0.54	0.052
Bis(2-chloroethoxy)methane	111-91-1			2700		190	ND	0.48	0.043
Hexachlorobutadiene	87-68-3	0.17		47		8.9	ND	0.17	0.056
Hexachlorocyclopentadiene	77-47-4	2.5		7800	2.7	470	ND	1.3	0.28
Hexachloroethane	67-72-1	0.17		91		17	ND	0.22	0.073
Isophorone	78-59-1	0.23		2700		570	ND	0.15	0.05
Naphthalene	91-20-3	19	27	34000	5.7	2500	ND	0.45	0.055
Nitrobenzene	98-95-3	0.17	36	2600	7.5	160	ND	0.2	0.066
NDPA/DPA	86-30-6	1.1		520		110	ND	0.11	0.036
n-Nitrosodi-n-propylamine	621-64-7	0.17		0.36		0.17	ND	0.11	0.038
Bis(2-ethylhexyl)phthalate	117-81-7	14		180		39	ND	0.45	0.047
Butyl benzyl phthalate	85-68-7	29		1300		290	ND	0.45	0.06
Di-n-butylphthalate	84-74-2			91000		6300	ND	0.45	0.04
Di-n-octylphthalate	117-84-0			9100		630	ND	0.45	0.14
Diethyl phthalate	84-66-2	44		730000		51000	ND	0.45	0.041
Dimethyl phthalate	131-11-3						ND	0.45	0.043
Benzo(a)anthracene	56-55-3	0.71	370000	23	78000	5.1	ND	0.15	0.051
Benzo(a)pyrene	50-32-8		16000	2.3	3500	0.51	ND	0.33	0.11
Benzo(b)fluoranthene	205-99-2		370000	23	78000	5.1	ND	0.11	0.037
Benzo(k)fluoranthene	207-08-9			230	780000	51	ND	0.094	0.031
Chrysene	218-01-9			2300		510	ND	0.27	0.046
Acenaphthylene	208-96-8						ND	0.36	0.05
Anthracene	120-12-7			250000		18000	ND	0.27	0.04
Benzo(ghi)perylene	191-24-2						ND	0.36	0.053
Fluorene	86-73-7			33000		2400	ND	0.45	0.043
Phenanthrene	85-01-8						ND	0.27	0.032
Dibenzo(a,h)anthracene	53-70-3		37000	2.3	7800	0.51	ND	0.16	0.052
Indeno(1,2,3-cd)pyrene	193-39-5		370000	23	78000	5.1	ND	0.19	0.063
Pyrene	129-00-0			25000		1800	ND	0.27	0.039
4-Chloroaniline	106-47-8	0.23		13		2.7	ND	0.45	0.052



2-Nitroaniline	88-74-4						ND	0.45	0.082
3-Nitroaniline	99-09-2						ND	0.45	0.085
4-Nitroaniline	100-01-6			130		27	ND	0.45	0.19
Dibenzofuran	132-64-9						ND	0.45	0.04
2-Methylnaphthalene	91-57-6	3.1		3300		240	ND	0.54	0.048
2,4,6-Trichlorophenol	88-06-2	0.86		230		49	ND	0.26	0.085
p-Chloro-m-cresol	59-50-7						ND	0.45	0.067
2-Chlorophenol	95-57-8	0.76		6500		390	ND	0.15	0.049
2,4-Dichlorophenol	120-83-2	0.19		2700		190	ND	0.22	0.072
2,4-Dimethylphenol	105-67-9	2.3		18000		1300	ND	0.43	0.14
2-Nitrophenol	88-75-5						ND	0.97	0.074
2,4-Dinitrophenol	51-28-5	0.33		1800		130	ND	0.65	0.21
4,6-Dinitro-o-cresol	534-52-1						ND	0.65	0.22
Pentachlorophenol	87-86-5	0.33		4.4		1	ND	0.3	0.099
Phenol	108-95-2	21		270000	39000	19000	ND	0.45	0.053
2-Methylphenol	95-48-7	0.77		4600		320	ND	0.45	0.07
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	0.75		9100		630	ND	0.65	0.065
2,4,5-Trichlorophenol	95-95-4	68		91000		6300	ND	0.45	0.086
Carbazole	86-74-8						ND	0.45	0.029
4-Nitrophenol	100-02-7						ND	0.63	0.12
4-Bromophenyl phenyl ether	101-55-3						ND	0.45	0.05
Benzaldehyde	100-52-7			910		170	ND	0.59	0.07
Caprolactam	105-60-2	16	1300	460000	290	32000	ND	0.45	0.096
Acetophenone	98-86-2	3.6		130000		7800	ND	0.45	0.047
Biphenyl	92-52-4			450		87	ND	1	0.058
1,2,4,5-Tetrachlorobenzene	95-94-3			390		23	ND	0.45	0.047
Atrazine	1912-24-9	0.33		3200		220	ND	0.36	0.16
2,3,4,6-Tetrachlorophenol	58-90-2	26		27000		1900	ND	0.45	0.091
1,4-Dioxane	123-91-1	0.067	210	36	45	7	ND	0.067	0.02
Total SVOCs							-	-	-
PESTICIDES BY GC									
Delta-BHC	319-86-8						ND	0.00311	0.0006
Lindane	58-89-9	0.0035		2.8		0.57	ND	0.0013	0.00058
Alpha-BHC	319-84-6	0.0023		0.41		0.086	ND	0.0013	0.00036
Beta-BHC	319-85-7	0.0046		1.4		0.3	ND	0.00311	0.00118
Heptachlor	76-44-8	0.083		0.81		0.15	ND	0.00156	0.00069
Aldrin	309-00-2	0.13		0.21		0.041	ND	0.00311	0.0011
Heptachlor epoxide	1024-57-3	0.081		0.4		0.076	ND	0.00584	0.00175
Endrin	72-20-8	1.6		270		19	ND	0.0013	0.00053
Endrin aldehyde	7421-93-4						ND	0.00389	0.00136
Endrin ketone	53494-70-5						ND	0.00311	0.0008
Dieldrin	60-57-1	0.024		0.16		0.034	ND	0.00194	0.00097
4,4'-DDE	72-55-9	0.47		11		2	ND	0.00311	0.00072
4,4'-DDD	72-54-8	0.47		11		2.3	ND	0.00311	0.00111
4,4'-DDT	50-29-3	0.67		9.5		1.9	ND	0.00584	0.0025
Endosulfan I	959-98-8			7800		470	ND	0.00311	0.00073
Endosulfan II	33213-65-9			7800		470	ND	0.00311	0.00104
Endosulfan sulfate	1031-07-8						ND	0.0013	0.00061
Methoxychlor	72-43-5			4600		320	ND	0.00584	0.00182
Toxaphene	8001-35-2	6.2		2.3		0.49	ND	0.0584	0.0163
Chlordane	57-74-9	1.4		1.4		0.27	ND	0.0259	0.0103
cis-Chlordane	5103-71-9	1.4		1.4		0.27	ND	0.00389	0.00108
trans-Chlordane	5103-74-2	1.4		1.4		0.27	ND	0.00389	0.00103
POLYCHLORINATED BIPHENYLS BY GC									
Aroclor 1016	12674-11-2	1.6		1.1		0.25	ND	0.0671	0.00596

Aroclor 1221	11104-28-2	1.6		1.1		0.25	ND	0.0671	0.00672
Aroclor 1232	11141-16-5	1.6		1.1		0.25	ND	0.0671	0.0142
Aroclor 1242	53469-21-9	1.6		1.1		0.25	ND	0.0671	0.00905
Aroclor 1248	12672-29-6	1.6		1.1		0.25	ND	0.0671	0.0101
Aroclor 1254	11097-69-1	1.6		1.1		0.25	ND	0.0671	0.00734
Aroclor 1260	11096-82-5	1.6		1.1		0.25	ND	0.0671	0.0124
Aroclor 1262	37324-23-5	1.6		1.1		0.25	ND	0.0671	0.00852
Aroclor 1268	11100-14-4	1.6		1.1		0.25	ND	0.0671	0.00695
PCBs, Total	1336-36-3	1.6		1.1		0.25	ND	0.0671	0.00596
GENERAL CHEMISTRY									
Chromium, Trivalent	16065-83-1						6.53	1.09	0.9
Solids, Total	NONE						73.1	0.1	NA
Cyanide, Total	57-12-5	20		780		47	ND	1.3	0.27
NJ HEXAVALENT CHROMIUM									
Chromium, Hexavalent	18540-29-9						ND	1.09	0.219
pH (H)	12408-02-5						7.89	0	NA

* Comparison is not performed on parameters with non-numeric criteria.

NJ-MGW-SRS: NJ - New Jersey 2021 Migration to Groundwater Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-NRI-SRS: NJ - New Jersey 2021 Non-Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-NRID-SRS: NJ - New Jersey 2021 Non-Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021 and March 26, 2024.

NJ-RI-SRS: NJ - New Jersey 2021 Residential Inhalation Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021.

NJ-RID-SRS: NJ - New Jersey 2021 Residential Ingestion-Dermal Exposure Pathway Soil Remediation Standards Criteria per Remediation Standards, last amended May 17, 2021 and March 26, 2024.



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