

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-10	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	91.5
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	N
Injection Volume :		GPC Factor :	1.0
Prep Method :	SW3541	Level :	LOW
		Final Vol:	1000
		Test:	SVOC-TCL BNA -20
		GPC Cleanup :	N
		PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140514.D	1	11/13/24 09:15	11/20/24 21:47	PB164940

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	90.3	U	90.3	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	91.2	U	91.2	190	ug/Kg
95-57-8	2-Chlorophenol	91.0	U	91.0	190	ug/Kg
95-48-7	2-Methylphenol	87.8	U	87.8	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	99.0	U	99.0	190	ug/Kg
98-86-2	Acetophenone	94.7	U	94.7	190	ug/Kg
65794-96-9	3+4-Methylphenols	87.0	U	87.0	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.9	U	43.9	87.2	ug/Kg
67-72-1	Hexachloroethane	90.4	U	90.4	190	ug/Kg
98-95-3	Nitrobenzene	98.9	U	98.9	190	ug/Kg
78-59-1	Isophorone	92.2	U	92.2	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	190	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.5	U	93.5	190	ug/Kg
120-83-2	2,4-Dichlorophenol	82.3	U	82.3	190	ug/Kg
91-20-3	Naphthalene	90.0	U	90.0	190	ug/Kg
106-47-8	4-Chloroaniline	90.0	UQ	90.0	190	ug/Kg
87-68-3	Hexachlorobutadiene	90.8	U	90.8	190	ug/Kg
105-60-2	Caprolactam	94.6	U	94.6	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.4	U	84.4	190	ug/Kg
91-57-6	2-Methylnaphthalene	89.9	U	89.9	190	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.8	U	77.8	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.6	U	80.6	190	ug/Kg
92-52-4	1,1-Biphenyl	95.2	U	95.2	190	ug/Kg
91-58-7	2-Chloronaphthalene	90.8	U	90.8	190	ug/Kg
88-74-4	2-Nitroaniline	100	U	100	190	ug/Kg
131-11-3	Dimethylphthalate	89.0	U	89.0	190	ug/Kg

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208-96-8	Acenaphthylene	94.3	U	94.3	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.7	U	90.7	190	ug/Kg
99-09-2	3-Nitroaniline	97.2	UQ	97.2	190	ug/Kg
83-32-9	Acenaphthene	88.4	U	88.4	190	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	360	ug/Kg
132-64-9	Dibenzofuran	92.0	U	92.0	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.9	U	93.9	190	ug/Kg
84-66-2	Diethylphthalate	87.3	U	87.3	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.3	U	93.3	190	ug/Kg
86-73-7	Fluorene	93.2	U	93.2	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.9	U	88.9	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	86.0	U	86.0	190	ug/Kg
118-74-1	Hexachlorobenzene	92.6	U	92.6	190	ug/Kg
1912-24-9	Atrazine	99.6	U	99.6	190	ug/Kg
87-86-5	Pentachlorophenol	84.2	U	84.2	360	ug/Kg
85-01-8	Phenanthrene	91.5	U	91.5	190	ug/Kg
120-12-7	Anthracene	92.0	U	92.0	190	ug/Kg
86-74-8	Carbazole	87.5	U	87.5	190	ug/Kg
84-74-2	Di-n-butylphthalate	91.9	U	91.9	190	ug/Kg
206-44-0	Fluoranthene	190		89.0	190	ug/Kg
129-00-0	Pyrene	130	J	90.4	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	UQ	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	130	J	87.9	190	ug/Kg
218-01-9	Chrysene	110	J	86.6	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	99.2	U	99.2	190	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	J	88.4	190	ug/Kg

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207-08-9	Benzo(k)fluoranthene	90.0	U	90.0	190	ug/Kg
50-32-8	Benzo(a)pyrene	100	J	100	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.1	U	85.1	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.5	U	88.5	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	87.3	U	87.3	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.6	U	94.6	190	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.4	U	81.4	190	ug/Kg

SURROGATES

367-12-4	2-Fluorophenol	78.1		30 (18) - 130 (112)	52%	SPK: 150
13127-88-3	Phenol-d6	70.2		30 (15) - 130 (107)	47%	SPK: 150
4165-60-0	Nitrobenzene-d5	55.1		30 (18) - 130 (107)	55%	SPK: 100
321-60-8	2-Fluorobiphenyl	66.2		30 (20) - 130 (109)	66%	SPK: 100
118-79-6	2,4,6-Tribromophenol	75.2		30 (10) - 130 (116)	50%	SPK: 150
1718-51-0	Terphenyl-d14	49.8		30 (10) - 130 (105)	50%	SPK: 100

INTERNAL STANDARDS

3855-82-1	1,4-Dichlorobenzene-d4	108000	6.875
1146-65-2	Naphthalene-d8	359000	8.151
15067-26-2	Acenaphthene-d10	160000	9.91
1517-22-2	Phenanthrene-d10	278000	11.398
1719-03-5	Chrysene-d12	237000	14.045
1520-96-3	Perylene-d12	186000	15.527

TENTATIVE IDENTIFIED COMPOUNDS

000994-05-8	Butane, 2-methoxy-2-methyl-	1200	J	2.15	ug/Kg
000119-61-9	Benzophenone	440	J	10.6	ug/Kg
000947-19-3	Methanone, (1-hydroxycyclohexyl)ph	79.2	J	10.9	ug/Kg
000057-10-3	n-Hexadecanoic acid	740	J	11.9	ug/Kg
000057-11-4	Octadecanoic acid	280	J	12.7	ug/Kg
028413-57-2	1-(Phenylthio)-3,7,11-trimethyl-2,	320	J	14.9	ug/Kg
000112-95-8	Eicosane	140	J	15.2	ug/Kg

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000629-94-7	Heneicosane	150	J		16.0	ug/Kg

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products