

Report of Analysis

Client:	PSEG	Date Collected:	11/05/24
Project:	Market Street Substation	Date Received:	11/06/24
Client Sample ID:	TP2	SDG No.:	P4737
Lab Sample ID:	P4737-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	91.4
Sample Wt/Vol:	5.03	Units: g	Final Vol: 5000 uL
Soil Aliquot Vol:		uL	Test: VOC-TCLVOA-10
GC Column:	RXI-624	ID : 0.25	Level : LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY020236.D	1		11/08/24 17:49	VY110824

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0018	U	0.0018	0.0054	mg/Kg
74-87-3	Chloromethane	0.0013	U	0.0013	0.0054	mg/Kg
75-01-4	Vinyl Chloride	0.00084	U	0.00084	0.0054	mg/Kg
74-83-9	Bromomethane	0.0011	U	0.0011	0.0054	mg/Kg
75-00-3	Chloroethane	0.0011	U	0.0011	0.0054	mg/Kg
75-69-4	Trichlorofluoromethane	0.00099	U	0.00099	0.0054	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0012	U	0.0012	0.0054	mg/Kg
75-35-4	1,1-Dichloroethene	0.00085	U	0.00085	0.0054	mg/Kg
67-64-1	Acetone	0.0068	U	0.0068	0.027	mg/Kg
75-15-0	Carbon Disulfide	0.0014	U	0.0014	0.0054	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00073	U	0.00073	0.0054	mg/Kg
79-20-9	Methyl Acetate	0.0020	U	0.0020	0.0054	mg/Kg
75-09-2	Methylene Chloride	0.0037	U	0.0037	0.011	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00091	U	0.00091	0.0054	mg/Kg
75-34-3	1,1-Dichloroethane	0.00069	U	0.00069	0.0054	mg/Kg
110-82-7	Cyclohexane	0.00075	U	0.00075	0.0054	mg/Kg
78-93-3	2-Butanone	0.0062	U	0.0062	0.027	mg/Kg
56-23-5	Carbon Tetrachloride	0.00095	U	0.00095	0.0054	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00066	U	0.00066	0.0054	mg/Kg
74-97-5	Bromochloromethane	0.0026	U	0.0026	0.0054	mg/Kg
67-66-3	Chloroform	0.00073	U	0.00073	0.0054	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00085	U	0.00085	0.0054	mg/Kg
108-87-2	Methylcyclohexane	0.00095	U	0.00095	0.0054	mg/Kg
71-43-2	Benzene	0.00078	U	0.00078	0.0054	mg/Kg
107-06-2	1,2-Dichloroethane	0.00066	U	0.00066	0.0054	mg/Kg
79-01-6	Trichloroethene	0.00082	U	0.00082	0.0054	mg/Kg
78-87-5	1,2-Dichloropropane	0.00072	U	0.00072	0.0054	mg/Kg
75-27-4	Bromodichloromethane	0.00061	U	0.00061	0.0054	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0047	U	0.0047	0.027	mg/Kg
108-88-3	Toluene	0.00073	U	0.00073	0.0054	mg/Kg

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10061-02-6	t-1,3-Dichloropropene	0.00065	U	0.00065	0.0054	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00062	U	0.00062	0.0054	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00091	U	0.00091	0.0054	mg/Kg
591-78-6	2-Hexanone	0.0052	U	0.0052	0.027	mg/Kg
124-48-1	Dibromochloromethane	0.00071	U	0.00071	0.0054	mg/Kg
106-93-4	1,2-Dibromoethane	0.00086	U	0.00086	0.0054	mg/Kg
127-18-4	Tetrachloroethene	0.00097	U	0.00097	0.0054	mg/Kg
108-90-7	Chlorobenzene	0.00080	U	0.00080	0.0054	mg/Kg
100-41-4	Ethyl Benzene	0.00067	U	0.00067	0.0054	mg/Kg
179601-23-1	m/p-Xylenes	0.0015	U	0.0015	0.011	mg/Kg
95-47-6	o-Xylene	0.00076	U	0.00076	0.0054	mg/Kg
100-42-5	Styrene	0.00065	U	0.00065	0.0054	mg/Kg
75-25-2	Bromoform	0.00088	U	0.00088	0.0054	mg/Kg
98-82-8	Isopropylbenzene	0.00073	U	0.00073	0.0054	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0012	U	0.0012	0.0054	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00080	U	0.00080	0.0054	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00087	U	0.00087	0.0054	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00064	U	0.00064	0.0054	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0017	U	0.0017	0.0054	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00086	U	0.00086	0.0054	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00085	U	0.00085	0.0054	mg/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	57.3	50 - 163	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7	54 - 147	103%	SPK: 50
2037-26-5	Toluene-d8	50.0	58 - 134	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5	29 - 146	95%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	200000	7.713
540-36-3	1,4-Difluorobenzene	421000	8.615
3114-55-4	Chlorobenzene-d5	386000	11.42
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.352

TENTATIVE IDENTIFIED COMPOUNDS

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001073-06-9	Benzene, 1-bromo-3-fluoro-	34.3	J		11.8	ug/Kg
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	12.3	J		14.5	ug/Kg
000119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	7.90	J		14.7	ug/Kg
001680-51-9	Naphthalene, 1,2,3,4-tetrahydro-6-	9.00	J		15.6	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