284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	PSEG	Date Collected:	02/18/25
Project:	Stanley Terrace Substation	Date Received:	02/18/25
Client Sample ID:	ST-1	SDG No.:	Q1385
Lab Sample ID:	Q1385-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	100
Sample Wt/Vol:	5.01 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
VY021230.D	1		02/18/25 15:05	VY021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.0016	U	0.0016	0.0050	mg/Kg
74-87-3	Chloromethane	0.0012	U	0.0012	0.0050	mg/Kg
75-01-4	Vinyl Chloride	0.00077	U	0.00077	0.0050	mg/Kg
74-83-9	Bromomethane	0.0010	U	0.0010	0.0050	mg/Kg
75-00-3	Chloroethane	0.0010	U	0.0010	0.0050	mg/Kg
75-69-4	Trichlorofluoromethane	0.00091	U	0.00091	0.0050	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.0011	U	0.0011	0.0050	mg/Kg
75-35-4	1,1-Dichloroethene	0.00078	U	0.00078	0.0050	mg/Kg
67-64-1	Acetone	0.0062	U	0.0062	0.025	mg/Kg
75-15-0	Carbon Disulfide	0.0013	U	0.0013	0.0050	mg/Kg
1634-04-4	Methyl tert-butyl Ether	0.00067	U	0.00067	0.0050	mg/Kg
79-20-9	Methyl Acetate	0.0018	U	0.0018	0.0050	mg/Kg
75-09-2	Methylene Chloride	0.0034	U	0.0034	0.010	mg/Kg
156-60-5	trans-1,2-Dichloroethene	0.00084	U	0.00084	0.0050	mg/Kg
75-34-3	1,1-Dichloroethane	0.00063	U	0.00063	0.0050	mg/Kg
110-82-7	Cyclohexane	0.00069	U	0.00069	0.0050	mg/Kg
78-93-3	2-Butanone	0.0057	U	0.0057	0.025	mg/Kg
56-23-5	Carbon Tetrachloride	0.00087	U	0.00087	0.0050	mg/Kg
156-59-2	cis-1,2-Dichloroethene	0.00061	U	0.00061	0.0050	mg/Kg
74-97-5	Bromochloromethane	0.0024	U	0.0024	0.0050	mg/Kg
67-66-3	Chloroform	0.00067	U	0.00067	0.0050	mg/Kg
71-55-6	1,1,1-Trichloroethane	0.00078	U	0.00078	0.0050	mg/Kg
108-87-2	Methylcyclohexane	0.00087	U	0.00087	0.0050	mg/Kg
71-43-2	Benzene	0.00072	U	0.00072	0.0050	mg/Kg
107-06-2	1,2-Dichloroethane	0.00061	U	0.00061	0.0050	mg/Kg
79-01-6	Trichloroethene	0.00075	U	0.00075	0.0050	mg/Kg
78-87-5	1,2-Dichloropropane	0.00066	U	0.00066	0.0050	mg/Kg
75-27-4	Bromodichloromethane	0.00056	U	0.00056	0.0050	mg/Kg
108-10-1	4-Methyl-2-Pentanone	0.0043	U	0.0043	0.025	mg/Kg
108-88-3	Toluene	0.00067	U	0.00067	0.0050	mg/Kg

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Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
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File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021230.D	1		02/18/25 15:05	VY021825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.00060	U	0.00060	0.0050	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	0.00057	U	0.00057	0.0050	mg/Kg
79-00-5	1,1,2-Trichloroethane	0.00084	U	0.00084	0.0050	mg/Kg
591-78-6	2-Hexanone	0.0048	U	0.0048	0.025	mg/Kg
124-48-1	Dibromochloromethane	0.00065	U	0.00065	0.0050	mg/Kg
106-93-4	1,2-Dibromoethane	0.00079	U	0.00079	0.0050	mg/Kg
127-18-4	Tetrachloroethene	0.00089	U	0.00089	0.0050	mg/Kg
108-90-7	Chlorobenzene	0.00074	U	0.00074	0.0050	mg/Kg
100-41-4	Ethyl Benzene	0.00062	U	0.00062	0.0050	mg/Kg
179601-23-1	m/p-Xylenes	0.0013	U	0.0013	0.010	mg/Kg
95-47-6	o-Xylene	0.00070	U	0.00070	0.0050	mg/Kg
100-42-5	Styrene	0.00060	U	0.00060	0.0050	mg/Kg
75-25-2	Bromoform	0.00081	U	0.00081	0.0050	mg/Kg
98-82-8	Isopropylbenzene	0.00067	U	0.00067	0.0050	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.0011	U	0.0011	0.0050	mg/Kg
541-73-1	1,3-Dichlorobenzene	0.00074	U	0.00074	0.0050	mg/Kg
106-46-7	1,4-Dichlorobenzene	0.00080	U	0.00080	0.0050	mg/Kg
95-50-1	1,2-Dichlorobenzene	0.00059	U	0.00059	0.0050	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	0.0016	U	0.0016	0.0050	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	0.00079	U	0.00079	0.0050	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	0.00078	U	0.00078	0.0050	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		50 - 163	105%	SPK: 50
1868-53-7	Dibromofluoromethane	41.3		54 - 147	83%	SPK: 50
2037-26-5	Toluene-d8	49.3		58 - 134	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		29 - 146	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	7.719			
540-36-3	1,4-Difluorobenzene	342000	8.622			
3114-55-4	Chlorobenzene-d5	306000	11.426			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.359			

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CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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