

Report of Analysis

Client:	PSEG	Date Collected:	09/24/25
Project:	Secaucus HQ	Date Received:	09/24/25
Client Sample ID:	4135	SDG No.:	Q3188
Lab Sample ID:	Q3188-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	1.14	Units:	g
Soil Aliquot Vol:	100		uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	MED
		Final Vol:	10000
		Test:	VOC-TCLVOA-10

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087984.D	1	09/29/25 15:50	VN092925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	U	0.50	2.20	mg/Kg
74-87-3	Chloromethane	2.20	U	0.50	2.20	mg/Kg
75-01-4	Vinyl Chloride	2.20	U	0.35	2.20	mg/Kg
74-83-9	Bromomethane	2.20	U	0.47	2.20	mg/Kg
75-00-3	Chloroethane	2.20	U	0.55	2.20	mg/Kg
75-69-4	Trichlorofluoromethane	2.20	U	0.53	2.20	mg/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	2.20	U	0.46	2.20	mg/Kg
75-35-4	1,1-Dichloroethene	2.20	U	0.44	2.20	mg/Kg
67-64-1	Acetone	16.5		2.10	11.0	mg/Kg
75-15-0	Carbon Disulfide	2.20	U	0.46	2.20	mg/Kg
1634-04-4	Methyl tert-butyl Ether	2.20	U	0.32	2.20	mg/Kg
79-20-9	Methyl Acetate	2.20	U	0.68	2.20	mg/Kg
75-09-2	Methylene Chloride	4.40	U	1.50	4.40	mg/Kg
156-60-5	trans-1,2-Dichloroethene	2.20	U	0.38	2.20	mg/Kg
75-34-3	1,1-Dichloroethane	2.20	U	0.35	2.20	mg/Kg
110-82-7	Cyclohexane	2.20	U	0.35	2.20	mg/Kg
78-93-3	2-Butanone	11.0	U	2.90	11.0	mg/Kg
56-23-5	Carbon Tetrachloride	2.20	U	0.43	2.20	mg/Kg
156-59-2	cis-1,2-Dichloroethene	2.20	U	0.33	2.20	mg/Kg
74-97-5	Bromochloromethane	2.20	U	0.50	2.20	mg/Kg
67-66-3	Chloroform	2.20	U	0.37	2.20	mg/Kg
71-55-6	1,1,1-Trichloroethane	2.20	U	0.41	2.20	mg/Kg
108-87-2	Methylcyclohexane	6.10		0.40	2.20	mg/Kg
71-43-2	Benzene	2.20	U	0.35	2.20	mg/Kg
107-06-2	1,2-Dichloroethane	2.20	U	0.35	2.20	mg/Kg
79-01-6	Trichloroethene	2.20	U	0.36	2.20	mg/Kg
78-87-5	1,2-Dichloropropane	2.20	U	0.40	2.20	mg/Kg
75-27-4	Bromodichloromethane	2.20	U	0.34	2.20	mg/Kg
108-10-1	4-Methyl-2-Pentanone	11.0	U	1.60	11.0	mg/Kg
108-88-3	Toluene	1010	E	0.34	2.20	mg/Kg

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10061-02-6	t-1,3-Dichloropropene	2.20	U	0.29	2.20	mg/Kg
10061-01-5	cis-1,3-Dichloropropene	2.20	U	0.27	2.20	mg/Kg
79-00-5	1,1,2-Trichloroethane	2.20	U	0.40	2.20	mg/Kg
591-78-6	2-Hexanone	11.0	U	1.60	11.0	mg/Kg
124-48-1	Dibromochloromethane	2.20	U	0.38	2.20	mg/Kg
106-93-4	1,2-Dibromoethane	2.20	U	0.39	2.20	mg/Kg
127-18-4	Tetrachloroethene	2.20	U	0.46	2.20	mg/Kg
108-90-7	Chlorobenzene	2.20	U	0.40	2.20	mg/Kg
100-41-4	Ethyl Benzene	22.8		0.29	2.20	mg/Kg
179601-23-1	m/p-Xylenes	109		0.54	4.40	mg/Kg
95-47-6	o-Xylene	36.6		0.36	2.20	mg/Kg
100-42-5	Styrene	2.20	U	0.31	2.20	mg/Kg
75-25-2	Bromoform	2.20	U	0.38	2.20	mg/Kg
98-82-8	Isopropylbenzene	0.74	J	0.34	2.20	mg/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2.20	U	0.53	2.20	mg/Kg
541-73-1	1,3-Dichlorobenzene	2.20	U	0.75	2.20	mg/Kg
106-46-7	1,4-Dichlorobenzene	2.20	U	0.68	2.20	mg/Kg
95-50-1	1,2-Dichlorobenzene	2.20	U	0.64	2.20	mg/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.20	U	0.81	2.20	mg/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	1.30	2.20	mg/Kg
87-61-6	1,2,3-Trichlorobenzene	2.20	U	1.40	2.20	mg/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		17 - 146	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	8.2			
540-36-3	1,4-Difluorobenzene	416000	9.082			
3114-55-4	Chlorobenzene-d5	404000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	207000	13.77			

TENTATIVE IDENTIFIED COMPOUNDS

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000589-34-4	Hexane, 3-methyl-	25100	J		8.42	ug/Kg
000142-82-5	Heptane	52700	J		8.94	ug/Kg
103-65-1	n-propylbenzene	870	J		13.0	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	1400	J		13.2	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	4700	J		13.5	ug/Kg
104-51-8	n-Butylbenzene	2000	J		14.0	ug/Kg
003333-13-9	Benzene, 1-methyl-4-(2-propenyl)-	35400	J		15.0	ug/Kg
061141-72-8	Dodecane, 4,6-dimethyl-	24500	J		15.6	ug/Kg
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethy	31800	J		15.9	ug/Kg
005676-32-4	Benzene, (1-methylenebutyl)-	38100	J		16.1	ug/Kg
004175-54-6	Naphthalene, 1,2,3,4-tetrahydro-1,	26000	J		16.7	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