

Report of Analysis

Client:	G Environmental		Date Collected:	07/01/25	
Project:	Lexington		Date Received:	07/01/25	
Client Sample ID:	GPX5		SDG No.:	Q2480	
Lab Sample ID:	Q2480-05		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	89.5	
Sample Wt/Vol:	8.59	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX046955.D	10	07/10/25 18:59	VX071025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	370	U	370	1600	ug/Kg
74-87-3	Chloromethane	370	U	370	1600	ug/Kg
75-01-4	Vinyl Chloride	260	U	260	1600	ug/Kg
74-83-9	Bromomethane	350	UQ	350	1600	ug/Kg
75-00-3	Chloroethane	410	U	410	1600	ug/Kg
75-69-4	Trichlorofluoromethane	390	U	390	1600	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	340	U	340	1600	ug/Kg
75-35-4	1,1-Dichloroethene	330	U	330	1600	ug/Kg
67-64-1	Acetone	1500	U	1500	8100	ug/Kg
75-15-0	Carbon Disulfide	340	U	340	1600	ug/Kg
1634-04-4	Methyl tert-butyl Ether	240	U	240	1600	ug/Kg
79-20-9	Methyl Acetate	500	U	500	1600	ug/Kg
75-09-2	Methylene Chloride	1100	U	1100	3300	ug/Kg
156-60-5	trans-1,2-Dichloroethene	280	U	280	1600	ug/Kg
75-34-3	1,1-Dichloroethane	260	U	260	1600	ug/Kg
110-82-7	Cyclohexane	260	U	260	1600	ug/Kg
78-93-3	2-Butanone	2100	U	2100	8100	ug/Kg
56-23-5	Carbon Tetrachloride	320	U	320	1600	ug/Kg
156-59-2	cis-1,2-Dichloroethene	240	U	240	1600	ug/Kg
74-97-5	Bromochloromethane	370	U	370	1600	ug/Kg
67-66-3	Chloroform	270	U	270	1600	ug/Kg
71-55-6	1,1,1-Trichloroethane	300	U	300	1600	ug/Kg
108-87-2	Methylcyclohexane	8500		300	1600	ug/Kg
71-43-2	Benzene	260	U	260	1600	ug/Kg
107-06-2	1,2-Dichloroethane	260	U	260	1600	ug/Kg
79-01-6	Trichloroethene	260	U	260	1600	ug/Kg
78-87-5	1,2-Dichloropropane	300	U	300	1600	ug/Kg
75-27-4	Bromodichloromethane	250	U	250	1600	ug/Kg
108-10-1	4-Methyl-2-Pentanone	1200	U	1200	8100	ug/Kg
108-88-3	Toluene	250	U	250	1600	ug/Kg

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10061-02-6	t-1,3-Dichloropropene	210	U	210	1600	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	200	U	200	1600	ug/Kg
79-00-5	1,1,2-Trichloroethane	300	U	300	1600	ug/Kg
591-78-6	2-Hexanone	1200	U	1200	8100	ug/Kg
124-48-1	Dibromochloromethane	280	U	280	1600	ug/Kg
106-93-4	1,2-Dibromoethane	290	U	290	1600	ug/Kg
127-18-4	Tetrachloroethene	340	U	340	1600	ug/Kg
108-90-7	Chlorobenzene	300	U	300	1600	ug/Kg
100-41-4	Ethyl Benzene	11600		220	1600	ug/Kg
179601-23-1	m/p-Xylenes	14000		400	3300	ug/Kg
95-47-6	o-Xylene	270	U	270	1600	ug/Kg
100-42-5	Styrene	230	U	230	1600	ug/Kg
75-25-2	Bromoform	280	U	280	1600	ug/Kg
98-82-8	Isopropylbenzene	3200		250	1600	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	390	U	390	1600	ug/Kg
541-73-1	1,3-Dichlorobenzene	560	U	560	1600	ug/Kg
106-46-7	1,4-Dichlorobenzene	510	U	510	1600	ug/Kg
95-50-1	1,2-Dichlorobenzene	470	U	470	1600	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	600	U	600	1600	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	970	U	970	1600	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1000	U	1000	1600	ug/Kg

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.0	63 - 155	102%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9	70 - 134	96%	SPK: 50
2037-26-5	Toluene-d8	49.9	74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8	17 - 146	100%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	265000	5.562
540-36-3	1,4-Difluorobenzene	461000	6.769
3114-55-4	Chlorobenzene-d5	408000	10.055
3855-82-1	1,4-Dichlorobenzene-d4	193000	12.018

TENTATIVE IDENTIFIED COMPOUNDS

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74-88-4	Methyl Iodide	340	J		2.48	ug/Kg
000592-27-8	Heptane, 2-methyl-	13000	J		8.28	ug/Kg
000111-65-9	Octane	17500	J		8.91	ug/Kg
002216-34-4	Octane, 4-methyl-	21100	J		9.90	ug/Kg
000111-84-2	Nonane	26700	J		10.4	ug/Kg
005911-04-6	Nonane, 3-methyl-	14100	J		10.8	ug/Kg
103-65-1	n-propylbenzene	10700	J		11.3	ug/Kg
000622-96-8	Benzene, 1-ethyl-4-methyl-	27000	J		11.4	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	21600	J		11.5	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	84000	J		11.8	ug/Kg
135-98-8	sec-Butylbenzene	1800	J		11.9	ug/Kg
99-87-6	p-Isopropyltoluene	1600	J		12.0	ug/Kg
000611-14-3	Benzene, 1-ethyl-2-methyl-	27300	J		12.1	ug/Kg
1000191-13-7	Tetracyclo[3.3.1.0(2,8).0(4,6)]-no	28000	J		12.2	ug/Kg
104-51-8	n-Butylbenzene	5400	J		12.3	ug/Kg
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	15500	J		12.5	ug/Kg
000527-84-4	o-Cymene	13200	J		12.6	ug/Kg
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	25700	J		12.6	ug/Kg
000768-49-0	Benzene, (2-methyl-1-propenyl)-	15100	J		12.7	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	15800	J		12.9	ug/Kg
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	18800	J		13.0	ug/Kg
000767-58-8	Indan, 1-methyl-	21900	J		13.3	ug/Kg
91-20-3	Naphthalene	14600	J		13.8	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