

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111125\
 Data File : VW032424.D
 Acq On : 11 Nov 2025 12:49
 Operator : SY/MD
 Sample : Q3530-02
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2025

Quant Time: Nov 12 03:47:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/12/2025
 Supervised By :Mahesh Dadoda 11/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.959	168	394711	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	756099	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	684246	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	326789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	267105	52.489	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 104.980%			
35) Dibromofluoromethane	7.904	113	228562	50.489	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 100.980%			
50) Toluene-d8	10.325	98	891109	51.311	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 102.620%			
62) 4-Bromofluorobenzene	12.617	95	330155	50.325	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 100.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	10384m	5.185	ug/l	
3) Chloromethane	2.253	50	19680	5.733	ug/l	98
4) Vinyl Chloride	2.405	62	22961	5.300	ug/l	92
5) Bromomethane	2.826	94	16203	5.591	ug/l	97
6) Chloroethane	2.966	64	15451	5.451	ug/l	94
7) Trichlorofluoromethane	3.308	101	17181	5.058	ug/l #	83
8) Diethyl Ether	3.722	74	15338	5.523	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.119	101	21099	5.703	ug/l	99
10) Methyl Iodide	4.314	142	31403	5.270	ug/l	98
11) Tert butyl alcohol	5.216	59	11942	27.139	ug/l #	82
12) 1,1-Dichloroethene	4.076	96	21945	5.173	ug/l	98
13) Acrolein	3.930	56	18497	25.054	ug/l	100
14) Allyl chloride	4.710	41	41768	5.119	ug/l	99
15) Acrylonitrile	5.411	53	39015	24.300	ug/l	99
16) Acetone	4.173	43	41427	27.211	ug/l	97
17) Carbon Disulfide	4.423	76	64948	5.180	ug/l	98
18) Methyl Acetate	4.716	43	17981	4.769	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	46339	5.182	ug/l	96
20) Methylene Chloride	4.954	84	35239	6.472	ug/l	94
21) trans-1,2-Dichloroethene	5.466	96	25760	5.310	ug/l	95
22) Diisopropyl ether	6.344	45	85528	5.149	ug/l	98
23) Vinyl Acetate	6.289	43	265590	23.336	ug/l	99
24) 1,1-Dichloroethane	6.252	63	47942	5.268	ug/l	99
25) 2-Butanone	7.197	43	53055	23.654	ug/l	98
26) 2,2-Dichloropropane	7.191	77	29147	5.746	ug/l	95
27) cis-1,2-Dichloroethene	7.191	96	30078	5.189	ug/l	93
28) Bromochloromethane	7.533	49	22973	5.341	ug/l	99
29) Tetrahydrofuran	7.557	42	32011	22.486	ug/l	97
30) Chloroform	7.697	83	48390	5.431	ug/l	98
31) Cyclohexane	7.972	56	48597	5.773	ug/l #	78
32) 1,1,1-Trichloroethane	7.886	97	34503	5.421	ug/l	96
36) 1,1-Dichloropropene	8.100	75	33291	4.991	ug/l	99
37) Ethyl Acetate	7.277	43	24369m	4.913	ug/l	
38) Carbon Tetrachloride	8.081	117	29747	5.019	ug/l	93
39) Methylcyclohexane	9.343	83	40935	4.737	ug/l	92
40) Benzene	8.337	78	110460	5.143	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	11750	4.313	ug/l #	96
42) 1,2-Dichloroethane	8.410	62	32244	5.111	ug/l	97
43) Isopropyl Acetate	8.435	43	39149	4.458	ug/l	97
44) Trichloroethene	9.105	130	24201	4.842	ug/l	95
45) 1,2-Dichloropropane	9.380	63	27911	5.218	ug/l	96
46) Dibromomethane	9.471	93	15744	5.037	ug/l	98
47) Bromodichloromethane	9.654	83	35404	4.966	ug/l	94
48) Methyl methacrylate	9.447	41	16874	4.043	ug/l #	91
49) 1,4-Dioxane	9.471	88	3957m	90.375	ug/l	
51) 4-Methyl-2-Pentanone	10.215	43	108742	22.398	ug/l	98
52) Toluene	10.392	92	68700	5.178	ug/l	98
53) t-1,3-Dichloropropene	10.611	75	33830	4.607	ug/l	98
54) cis-1,3-Dichloropropene	10.081	75	40330	4.750	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	21345	4.978	ug/l	98
56) Ethyl methacrylate	10.648	69	29174	4.435	ug/l	97
57) 1,3-Dichloropropane	10.934	76	38558	5.035	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	76404	21.808	ug/l	100
59) 2-Hexanone	10.971	43	76543	21.549	ug/l	95
60) Dibromochloromethane	11.129	129	22554	4.710	ug/l	100
61) 1,2-Dibromoethane	11.239	107	20394	4.884	ug/l	99
64) Tetrachloroethene	10.867	164	20566	5.076	ug/l	95
65) Chlorobenzene	11.660	112	74119	5.026	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.733	131	21762	4.768	ug/l	96
67) Ethyl Benzene	11.733	91	120043	4.704	ug/l	98
68) m/p-Xylenes	11.843	106	92872	9.693	ug/l	99
69) o-Xylene	12.166	106	43269	4.717	ug/l	98
70) Styrene	12.184	104	73138	4.635	ug/l	98
71) Bromoform	12.349	173	11674	4.318	ug/l #	100
73) Isopropylbenzene	12.465	105	105656	4.402	ug/l	99
74) N-amyl acetate	12.270	43	33354	3.999	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	27819	4.884	ug/l	100
76) 1,2,3-Trichloropropane	12.763	75	20786m	4.639	ug/l	
77) Bromobenzene	12.745	156	27843	4.900	ug/l	97
78) n-propylbenzene	12.800	91	139169	4.761	ug/l	99
79) 2-Chlorotoluene	12.891	91	86338	4.839	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	91880	4.640	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	7294	3.728	ug/l #	84
82) 4-Chlorotoluene	12.989	91	90717	4.888	ug/l	98
83) tert-Butylbenzene	13.202	119	77398	4.494	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	91590	4.548	ug/l	99
85) sec-Butylbenzene	13.379	105	116408	4.538	ug/l	99
86) p-Isopropyltoluene	13.495	119	98445	4.648	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	55852	5.184	ug/l	96
88) 1,4-Dichlorobenzene	13.574	146	55255	5.006	ug/l	90
89) n-Butylbenzene	13.818	91	96507	4.664	ug/l	98
90) Hexachloroethane	14.086	117	18170	4.758	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	50830	5.139	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.483	75	3861	3.935	ug/l	95
93) 1,2,4-Trichlorobenzene	15.129	180	29967	4.761	ug/l	97
94) Hexachlorobutadiene	15.226	225	13347	5.105	ug/l	96
95) Naphthalene	15.360	128	61851	3.941	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	26358	4.613	ug/l	93

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

