

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071525\
 Data File : VW031855.D
 Acq On : 15 Jul 2025 11:14
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Semsettin
 Yesilyurt

07/16/2025
 Supervised By : Mahesh
 Dadoda

Quant Time: Jul 16 01:21:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	232581	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	414489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	372525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	170968	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	168535	50.493	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 100.980%	
35) Dibromofluoromethane	7.898	113	138421	51.178	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 102.360%	
50) Toluene-d8	10.324	98	522341	51.895	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 103.780%	
62) 4-Bromofluorobenzene	12.617	95	198930	53.706	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 107.420%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	2.045	85	69242	43.714	ug/l 91
3) Chloromethane	2.259	50	80516	42.163	ug/l 99
4) Vinyl Chloride	2.405	62	119783	47.723	ug/l 96
5) Bromomethane	2.826	94	83386	42.533	ug/l 97
6) Chloroethane	2.972	64	75904	44.520	ug/l 95
7) Trichlorofluoromethane	3.307	101	115430	50.639	ug/l 93
8) Diethyl Ether	3.716	74	78620	45.389	ug/l 96
9) 1,1,2-Trichlorotrifluo...	4.106	101	120463	47.611	ug/l 99
10) Methyl Iodide	4.313	142	170834	43.798	ug/l 98
11) Tert butyl alcohol	5.222	59	44521	215.299	ug/l 99
12) 1,1-Dichloroethene	4.076	96	133295	48.098	ug/l 93
13) Acrolein	3.929	56	39222	105.531	ug/l 99
14) Allyl chloride	4.704	41	196166	46.134	ug/l 97
15) Acrylonitrile	5.405	53	195952	230.050	ug/l 99
16) Acetone	4.161	43	177893	215.627	ug/l 99
17) Carbon Disulfide	4.423	76	320513	43.220	ug/l 100
18) Methyl Acetate	4.710	43	100571m	42.654	ug/l
19) Methyl tert-butyl Ether	5.466	73	221626	47.116	ug/l 98
20) Methylene Chloride	4.953	84	152472	45.893	ug/l 96
21) trans-1,2-Dichloroethene	5.459	96	135951	46.168	ug/l 93
22) Diisopropyl ether	6.343	45	402042	48.480	ug/l 98
23) Vinyl Acetate	6.276	43	1386835	244.834	ug/l 99
24) 1,1-Dichloroethane	6.240	63	248677	46.253	ug/l 99
25) 2-Butanone	7.191	43	257746	240.143	ug/l 98
26) 2,2-Dichloropropane	7.191	77	133876	42.678	ug/l 98
27) cis-1,2-Dichloroethene	7.191	96	163117	48.189	ug/l 98
28) Bromochloromethane	7.532	49	115305	48.599	ug/l 97
29) Tetrahydrofuran	7.551	42	170433	231.873	ug/l 99
30) Chloroform	7.691	83	268357	46.973	ug/l 95
31) Cyclohexane	7.971	56	222183	46.750	ug/l 94
32) 1,1,1-Trichloroethane	7.886	97	203356	46.189	ug/l 99
36) 1,1-Dichloropropene	8.093	75	192440	49.169	ug/l 100
37) Ethyl Acetate	7.270	43	114642	46.433	ug/l 99
38) Carbon Tetrachloride	8.081	117	193685	48.563	ug/l 98
39) Methylcyclohexane	9.343	83	243961	50.100	ug/l 99
40) Benzene	8.337	78	557339	48.131	ug/l 99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	65628	49.620	ug/l	99
42) 1,2-Dichloroethane	8.410	62	184820	47.237	ug/l	100
43) Isopropyl Acetate	8.435	43	204159	47.971	ug/l	99
44) Trichloroethene	9.105	130	132351	45.794	ug/l	92
45) 1,2-Dichloropropane	9.380	63	130891	46.770	ug/l	98
46) Dibromomethane	9.465	93	84642	46.846	ug/l	97
47) Bromodichloromethane	9.648	83	201056	47.453	ug/l	98
48) Methyl methacrylate	9.440	41	96554	46.139	ug/l	98
49) 1,4-Dioxane	9.465	88	22096	1044.162	ug/l #	94
51) 4-Methyl-2-Pentanone	10.215	43	584721	238.976	ug/l	100
52) Toluene	10.392	92	364799	49.204	ug/l	94
53) t-1,3-Dichloropropene	10.611	75	197690	49.730	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	219432	48.692	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	112256	47.430	ug/l	93
56) Ethyl methacrylate	10.648	69	168566	52.498	ug/l	96
57) 1,3-Dichloropropane	10.934	76	202248	48.672	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	483980	273.731	ug/l	97
59) 2-Hexanone	10.971	43	412986	249.082	ug/l	100
60) Dibromochloromethane	11.129	129	134802	47.629	ug/l	98
61) 1,2-Dibromoethane	11.233	107	108219	45.675	ug/l	96
64) Tetrachloroethene	10.861	164	105690	43.373	ug/l	88
65) Chlorobenzene	11.660	112	389061	47.336	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	119655	45.684	ug/l	98
67) Ethyl Benzene	11.727	91	711632	49.931	ug/l	95
68) m/p-Xylenes	11.836	106	528127	96.394	ug/l	100
69) o-Xylene	12.166	106	249587	49.201	ug/l	98
70) Styrene	12.178	104	426950	48.685	ug/l	98
71) Bromoform	12.349	173	71602	45.825	ug/l #	97
73) Isopropylbenzene	12.458	105	663353	51.008	ug/l	100
74) N-amyl acetate	12.269	43	188376	53.742	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	141355	48.960	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	108464m	49.092	ug/l	
77) Bromobenzene	12.745	156	135891	46.851	ug/l	95
78) n-propylbenzene	12.800	91	802123	51.508	ug/l	99
79) 2-Chlorotoluene	12.891	91	470007	50.120	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	550327	51.123	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	46165	48.668	ug/l	95
82) 4-Chlorotoluene	12.989	91	495498	50.328	ug/l	98
83) tert-Butylbenzene	13.202	119	474073	51.413	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	554488	50.838	ug/l	99
85) sec-Butylbenzene	13.379	105	707076	51.088	ug/l	100
86) p-Isopropyltoluene	13.489	119	582430	51.062	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	276487	47.532	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	275803	46.324	ug/l	94
89) n-Butylbenzene	13.818	91	570146	51.446	ug/l	100
90) Hexachloroethane	14.092	117	97613	47.435	ug/l	100
91) 1,2-Dichlorobenzene	13.867	146	261904	49.262	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	25395	45.047	ug/l	98
93) 1,2,4-Trichlorobenzene	15.122	180	157301	47.975	ug/l	95
94) Hexachlorobutadiene	15.226	225	74646	47.147	ug/l	88
95) Naphthalene	15.360	128	400223	49.789	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	139945	46.451	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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