

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111925\
 Data File : VW032493.D
 Acq On : 19 Nov 2025 11:33
 Operator : SY/MD
 Sample : VW1119SBSD01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1119SBSD01

Manual Integrations
 APPROVED

Reviewed By :Amit Patel 11/20/2025
 Supervised By :Mahesh Dadoda 11/20/2025

Quant Time: Nov 20 01:16:17 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

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	359816	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.849	114	689209	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	607735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	308754	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	243549	52.502	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	105.000%
35) Dibromofluoromethane	7.904	113	200981	48.705	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	97.420%
50) Toluene-d8	10.325	98	776766	49.068	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	98.140%
62) 4-Bromofluorobenzene	12.617	95	290059	48.504	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	97.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.046	85	37548	20.568	ug/l	92
3) Chloromethane	2.253	50	67585	21.599	ug/l	99
4) Vinyl Chloride	2.399	62	83156	21.057	ug/l	99
5) Bromomethane	2.820	94	56579	21.418	ug/l	91
6) Chloroethane	2.966	64	53533	20.719	ug/l	95
7) Trichlorofluoromethane	3.302	101	65038	21.005	ug/l	99
8) Diethyl Ether	3.722	74	52038	20.557	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.100	101	74475	22.081	ug/l	98
10) Methyl Iodide	4.308	142	115820	21.320	ug/l	98
11) Tert butyl alcohol	5.210	59	45136	112.524	ug/l	# 93
12) 1,1-Dichloroethene	4.076	96	82284	21.276	ug/l	94
13) Acrolein	3.930	56	58640	87.131	ug/l	98
14) Allyl chloride	4.704	41	152847	20.551	ug/l	96
15) Acrylonitrile	5.399	53	156743	107.091	ug/l	99
16) Acetone	4.161	43	159113	114.648	ug/l	96
17) Carbon Disulfide	4.417	76	235314	20.586	ug/l	99
18) Methyl Acetate	4.710	43	70082	20.392	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	166154	20.381	ug/l	100
20) Methylene Chloride	4.954	84	115290	23.229	ug/l	99
21) trans-1,2-Dichloroethene	5.466	96	95567	21.610	ug/l	95
22) Diisopropyl ether	6.344	45	327680	21.639	ug/l	98
23) Vinyl Acetate	6.283	43	1099201	105.949	ug/l	97
24) 1,1-Dichloroethane	6.246	63	181876	21.922	ug/l	99
25) 2-Butanone	7.197	43	217596	106.423	ug/l	97
26) 2,2-Dichloropropane	7.185	77	98393	21.280	ug/l	97
27) cis-1,2-Dichloroethene	7.191	96	112582	21.306	ug/l	96
28) Bromochloromethane	7.533	49	87888	22.413	ug/l	95
29) Tetrahydrofuran	7.551	42	138251	106.532	ug/l	98
30) Chloroform	7.691	83	180534	22.228	ug/l	100
31) Cyclohexane	7.972	56	157753	20.556	ug/l	# 94
32) 1,1,1-Trichloroethane	7.886	97	124785	21.507	ug/l	98
36) 1,1-Dichloropropene	8.093	75	127307	20.939	ug/l	99
37) Ethyl Acetate	7.277	43	93837	20.756	ug/l	99
38) Carbon Tetrachloride	8.087	117	109428	20.256	ug/l	89
39) Methylcyclohexane	9.343	83	150595	19.120	ug/l	94
40) Benzene	8.337	78	406260	20.749	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	52848	21.279	ug/l	95
42) 1,2-Dichloroethane	8.410	62	122685	21.332	ug/l	100
43) Isopropyl Acetate	8.435	43	158691	19.823	ug/l	99
44) Trichloroethene	9.105	130	93336	20.486	ug/l	93
45) 1,2-Dichloropropane	9.374	63	101659	20.852	ug/l	97
46) Dibromomethane	9.465	93	60670	21.295	ug/l	98
47) Bromodichloromethane	9.648	83	134160	20.644	ug/l	99
48) Methyl methacrylate	9.441	41	72320	19.011	ug/l	95
49) 1,4-Dioxane	9.459	88	15319	383.832	ug/l #	91
51) 4-Methyl-2-Pentanone	10.215	43	467147	105.557	ug/l	99
52) Toluene	10.392	92	249502	20.630	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	131119	19.591	ug/l	97
54) cis-1,3-Dichloropropene	10.075	75	155020	20.029	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	82477	21.103	ug/l	97
56) Ethyl methacrylate	10.648	69	115683	19.291	ug/l	99
57) 1,3-Dichloropropane	10.934	76	145564	20.853	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	329399	103.145	ug/l	99
59) 2-Hexanone	10.971	43	328435	101.435	ug/l	97
60) Dibromochloromethane	11.130	129	88991	20.389	ug/l	98
61) 1,2-Dibromoethane	11.239	107	76725	20.156	ug/l	99
64) Tetrachloroethene	10.861	164	76972	21.388	ug/l	94
65) Chlorobenzene	11.660	112	277740	21.203	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	85463	21.082	ug/l	98
67) Ethyl Benzene	11.727	91	462585	20.410	ug/l	97
68) m/p-Xylenes	11.837	106	349649	41.088	ug/l	100
69) o-Xylene	12.166	106	163377	20.051	ug/l	99
70) Styrene	12.178	104	300762	21.458	ug/l	96
71) Bromoform	12.349	173	48376	20.147	ug/l #	96
73) Isopropylbenzene	12.465	105	415533	18.325	ug/l	98
74) N-amyl acetate	12.270	43	146488	18.591	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	104018	19.329	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	89934m	21.243	ug/l	
77) Bromobenzene	12.739	156	96893	18.047	ug/l	88
78) n-propylbenzene	12.800	91	530953	19.227	ug/l	99
79) 2-Chlorotoluene	12.891	91	322532	19.133	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	356299	19.046	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	32650	17.664	ug/l	91
82) 4-Chlorotoluene	12.983	91	342431	19.530	ug/l	97
83) tert-Butylbenzene	13.202	119	295411	18.153	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	368482	19.366	ug/l	99
85) sec-Butylbenzene	13.379	105	450010	18.567	ug/l	99
86) p-Isopropyltoluene	13.495	119	375159	18.747	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	203300	19.972	ug/l	97
88) 1,4-Dichlorobenzene	13.574	146	197864	18.973	ug/l	94
89) n-Butylbenzene	13.818	91	369310	18.890	ug/l	98
90) Hexachloroethane	14.086	117	68321	18.936	ug/l	95
91) 1,2-Dichlorobenzene	13.867	146	190098	20.343	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.476	75	17581	18.964	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	112717	18.955	ug/l	97
94) Hexachlorobutadiene	15.232	225	47001	19.028	ug/l	95
95) Naphthalene	15.360	128	265837	17.927	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	101880	18.871	ug/l	95

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

