

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032023.D
 Acq On : 06 Aug 2025 09:34
 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 :Mahesh Dadoda 08/07/2025
 Supervised By :Semsettin Yesilyurt 08/07/2025

Quant Time: Aug 07 02:15:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	239068	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	426793	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	383470	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	167635	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.313	65	167908	46.428	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	92.860%
35) Dibromofluoromethane	7.892	113	144268	49.746	ug/l	-0.01
Spiked Amount	50.000	Range	70 - 134	Recovery	=	99.500%
50) Toluene-d8	10.325	98	549752	50.087	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	100.180%
62) 4-Bromofluorobenzene	12.617	95	212943	50.525	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	101.060%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	78451	44.153	ug/l	97
3) Chloromethane	2.253	50	109784	48.139	ug/l	99
4) Vinyl Chloride	2.405	62	148957	50.281	ug/l	96
5) Bromomethane	2.826	94	104228	47.778	ug/l	97
6) Chloroethane	2.966	64	97195	49.710	ug/l	99
7) Trichlorofluoromethane	3.302	101	127399	42.459	ug/l	96
8) Diethyl Ether	3.716	74	96089	47.941	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	145677	50.475	ug/l	98
10) Methyl Iodide	4.301	142	214163	49.631	ug/l	100
11) Tert butyl alcohol	5.246	59	52512	247.020	ug/l	98
12) 1,1-Dichloroethene	4.076	96	160820	50.449	ug/l	90
13) Acrolein	3.936	56	14448	40.765	ug/l	92
14) Allyl chloride	4.698	41	244382	49.247	ug/l	99
15) Acrylonitrile	5.399	53	218354	243.674	ug/l	100
16) Acetone	4.167	43	194168	226.256	ug/l	99
17) Carbon Disulfide	4.411	76	419740	50.771	ug/l	99
18) Methyl Acetate	4.710	43	123287	52.145	ug/l	100
19) Methyl tert-butyl Ether	5.460	73	296648	53.859	ug/l	99
20) Methylene Chloride	4.948	84	172567	46.711	ug/l	98
21) trans-1,2-Dichloroethene	5.454	96	167572	49.545	ug/l	97
22) Diisopropyl ether	6.338	45	498470	50.200	ug/l	98
23) Vinyl Acetate	6.277	43	1607871	247.850	ug/l	100
24) 1,1-Dichloroethane	6.240	63	308135	49.841	ug/l	99
25) 2-Butanone	7.191	43	279155	237.745	ug/l	98
26) 2,2-Dichloropropane	7.179	77	173307	49.515	ug/l	99
27) cis-1,2-Dichloroethene	7.185	96	200395	50.398	ug/l	99
28) Bromochloromethane	7.526	49	111719	43.159	ug/l	94
29) Tetrahydrofuran	7.551	42	186613	242.410	ug/l	99
30) Chloroform	7.691	83	323303	49.875	ug/l	99
31) Cyclohexane	7.965	56	263922	47.583	ug/l	94
32) 1,1,1-Trichloroethane	7.886	97	252386	51.166	ug/l	97
36) 1,1-Dichloropropene	8.093	75	229662	51.566	ug/l	99
37) Ethyl Acetate	7.270	43	122489	48.211	ug/l	97
38) Carbon Tetrachloride	8.081	117	226210	52.923	ug/l	99
39) Methylcyclohexane	9.343	83	293124	52.298	ug/l	95
40) Benzene	8.331	78	687780	52.168	ug/l	99

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41) Methacrylonitrile	7.502	41	74330	48.872	ug/l	92
42) 1,2-Dichloroethane	8.410	62	214624	50.865	ug/l	100
43) Isopropyl Acetate	8.435	43	236468	51.412	ug/l	99
44) Trichloroethene	9.099	130	163699	52.237	ug/l	98
45) 1,2-Dichloropropane	9.374	63	163160	51.386	ug/l	99
46) Dibromomethane	9.465	93	102907	52.283	ug/l	97
47) Bromodichloromethane	9.648	83	247324	52.402	ug/l	98
48) Methyl methacrylate	9.441	41	117022	53.478	ug/l	98
49) 1,4-Dioxane	9.471	88	26851	1367.171	ug/l #	88
51) 4-Methyl-2-Pentanone	10.209	43	659480	261.993	ug/l	99
52) Toluene	10.392	92	441594	52.104	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	236758	52.295	ug/l	99
54) cis-1,3-Dichloropropene	10.075	75	270682	52.354	ug/l	99
55) 1,1,2-Trichloroethane	10.788	97	137421	52.562	ug/l	93
56) Ethyl methacrylate	10.648	69	199654	54.071	ug/l	98
57) 1,3-Dichloropropane	10.934	76	241119	52.349	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	459911	242.488	ug/l	99
59) 2-Hexanone	10.965	43	452693	258.730	ug/l	99
60) Dibromochloromethane	11.129	129	166640	54.667	ug/l	94
61) 1,2-Dibromoethane	11.233	107	135643	52.505	ug/l	100
64) Tetrachloroethene	10.861	164	130531	51.629	ug/l	89
65) Chlorobenzene	11.654	112	478346	50.968	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.727	131	151541	52.084	ug/l	98
67) Ethyl Benzene	11.727	91	834852	50.628	ug/l	96
68) m/p-Xylenes	11.837	106	648864	104.526	ug/l	97
69) o-Xylene	12.166	106	310413	52.838	ug/l	100
70) Styrene	12.178	104	536068	53.594	ug/l	98
71) Bromoform	12.349	173	85327	53.623	ug/l #	98
73) Isopropylbenzene	12.458	105	784794	53.956	ug/l	98
74) N-amyl acetate	12.269	43	218861	55.659	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.714	83	168799	54.674	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	124194m	53.660	ug/l	
77) Bromobenzene	12.739	156	175725	55.838	ug/l	94
78) n-propylbenzene	12.800	91	946171	52.965	ug/l	97
79) 2-Chlorotoluene	12.891	91	567762	53.231	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	662438	54.304	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.513	75	55578	55.440	ug/l	98
82) 4-Chlorotoluene	12.983	91	607242	54.269	ug/l	99
83) tert-Butylbenzene	13.202	119	545444	52.492	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	667403	54.053	ug/l	100
85) sec-Butylbenzene	13.379	105	840286	53.849	ug/l	97
86) p-Isopropyltoluene	13.489	119	678429	52.600	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	351418	53.644	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	355887	55.457	ug/l	95
89) n-Butylbenzene	13.818	91	682675	53.955	ug/l	98
90) Hexachloroethane	14.086	117	119559	53.607	ug/l	94
91) 1,2-Dichlorobenzene	13.867	146	298333	51.386	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.476	75	28873	51.764	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	200130	57.159	ug/l	91
94) Hexachlorobutadiene	15.232	225	86781	52.306	ug/l	97
95) Naphthalene	15.354	128	480165	55.781	ug/l	100
96) 1,2,3-Trichlorobenzene	15.549	180	166860	52.599	ug/l	97

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

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