

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031913.D
 Acq On : 23 Jul 2025 15:36
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/24/2025
 Supervised By :Semsettin Yesilyurt 07/24/2025

Quant Time: Jul 24 02:54:01 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	219521	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	405999	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.636	117	370382	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	167321	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	158910	47.853	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	95.700%
35) Dibromofluoromethane	7.898	113	130334	47.243	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.480%
50) Toluene-d8	10.331	98	497065	47.606	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	95.220%
62) 4-Bromofluorobenzene	12.617	95	194030	48.396	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	96.800%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	76461	46.864	ug/l	97
3) Chloromethane	2.259	50	98250	46.918	ug/l	99
4) Vinyl Chloride	2.405	62	127592	46.904	ug/l	98
5) Bromomethane	2.826	94	91910	45.883	ug/l	96
6) Chloroethane	2.979	64	83984	46.778	ug/l	98
7) Trichlorofluoromethane	3.314	101	127658	46.334	ug/l	99
8) Diethyl Ether	3.722	74	87789	47.700	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	123153	46.471	ug/l	99
10) Methyl Iodide	4.308	142	181463	45.797	ug/l	99
11) Tert butyl alcohol	5.222	59	53293	273.017	ug/l	99
12) 1,1-Dichloroethene	4.088	96	136518	46.639	ug/l	96
13) Acrolein	3.936	56	49237	181.958	ug/l	97
14) Allyl chloride	4.710	41	210154	46.120	ug/l	99
15) Acrylonitrile	5.405	53	207957	252.736	ug/l	100
16) Acetone	4.167	43	160829	204.095	ug/l	93
17) Carbon Disulfide	4.430	76	353133	46.517	ug/l	99
18) Methyl Acetate	4.710	43	128577	59.225	ug/l	99
19) Methyl tert-butyl Ether	5.466	73	258316	51.075	ug/l	98
20) Methylene Chloride	4.960	84	153124	44.966	ug/l	97
21) trans-1,2-Dichloroethene	5.460	96	149542	48.151	ug/l	95
22) Diisopropyl ether	6.344	45	447611	49.092	ug/l	99
23) Vinyl Acetate	6.289	43	1462105	245.449	ug/l	97
24) 1,1-Dichloroethane	6.246	63	275323	48.499	ug/l	99
25) 2-Butanone	7.197	43	268451	248.987	ug/l	96
26) 2,2-Dichloropropane	7.191	77	147837	45.999	ug/l	98
27) cis-1,2-Dichloroethene	7.197	96	178482	48.884	ug/l	98
28) Bromochloromethane	7.533	49	116208	48.891	ug/l	97
29) Tetrahydrofuran	7.557	42	185284	262.115	ug/l	99
30) Chloroform	7.697	83	293306	49.277	ug/l	98
31) Cyclohexane	7.972	56	229737	45.108	ug/l	98
32) 1,1,1-Trichloroethane	7.886	97	213734	47.189	ug/l	97
36) 1,1-Dichloropropene	8.100	75	204190	48.195	ug/l	99
37) Ethyl Acetate	7.277	43	121773	50.384	ug/l	98
38) Carbon Tetrachloride	8.087	117	192174	47.263	ug/l	96
39) Methylcyclohexane	9.343	83	258793	48.537	ug/l	96
40) Benzene	8.337	78	615232	49.055	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	74221	51.300	ug/l	97
42) 1,2-Dichloroethane	8.417	62	200789	50.023	ug/l	100
43) Isopropyl Acetate	8.435	43	221963	50.730	ug/l	99
44) Trichloroethene	9.099	130	146346	49.092	ug/l	95
45) 1,2-Dichloropropane	9.374	63	147276	48.759	ug/l	96
46) Dibromomethane	9.465	93	92354	49.325	ug/l	98
47) Bromodichloromethane	9.654	83	221831	49.408	ug/l	98
48) Methyl methacrylate	9.441	41	119455	57.386	ug/l	93
49) 1,4-Dioxane	9.465	88	20165	1079.326	ug/l #	87
51) 4-Methyl-2-Pentanone	10.215	43	635700	265.481	ug/l	100
52) Toluene	10.392	92	392558	48.691	ug/l	97
53) t-1,3-Dichloropropene	10.611	75	216681	50.311	ug/l	100
54) cis-1,3-Dichloropropene	10.081	75	241656	49.133	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	122223	49.143	ug/l	93
56) Ethyl methacrylate	10.648	69	183188	52.152	ug/l	99
57) 1,3-Dichloropropane	10.934	76	219828	50.171	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.929	63	465667	258.098	ug/l	100
59) 2-Hexanone	10.971	43	437558	262.888	ug/l	99
60) Dibromochloromethane	11.130	129	145164	50.061	ug/l	98
61) 1,2-Dibromoethane	11.239	107	122250	49.745	ug/l	98
64) Tetrachloroethene	10.861	164	110606	45.294	ug/l #	82
65) Chlorobenzene	11.660	112	419567	46.285	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.733	131	137144	48.802	ug/l	97
67) Ethyl Benzene	11.733	91	746289	46.857	ug/l	95
68) m/p-Xylenes	11.843	106	573613	95.669	ug/l	100
69) o-Xylene	12.166	106	273444	48.190	ug/l	99
70) Styrene	12.178	104	470963	48.749	ug/l	98
71) Bromoform	12.349	173	74982	48.787	ug/l #	99
73) Isopropylbenzene	12.465	105	716391	49.346	ug/l	99
74) N-amyl acetate	12.270	43	201615	51.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.715	83	155907	50.593	ug/l	100
76) 1,2,3-Trichloropropane	12.769	75	118014m	51.086	ug/l	
77) Bromobenzene	12.745	156	155952	49.648	ug/l	97
78) n-propylbenzene	12.800	91	864593	48.489	ug/l	100
79) 2-Chlorotoluene	12.891	91	521301	48.967	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	583353	47.910	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	50978	50.947	ug/l	98
82) 4-Chlorotoluene	12.989	91	538291	48.197	ug/l	97
83) tert-Butylbenzene	13.202	119	500579	48.265	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	589462	47.831	ug/l	98
85) sec-Butylbenzene	13.379	105	742346	47.662	ug/l	99
86) p-Isopropyltoluene	13.495	119	633711	49.225	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	314518	48.101	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	308981	48.238	ug/l	98
89) n-Butylbenzene	13.818	91	615745	48.757	ug/l	99
90) Hexachloroethane	14.086	117	104500	46.943	ug/l	89
91) 1,2-Dichlorobenzene	13.867	146	278584	48.075	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	27735	49.817	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	166773	47.721	ug/l	97
94) Hexachlorobutadiene	15.232	225	78612	47.471	ug/l	95
95) Naphthalene	15.360	128	442456	51.497	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	159161	50.266	ug/l	93

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

