

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080725\
 Data File : VW032036.D
 Acq On : 07 Aug 2025 10:08
 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 08/08/2025
 Supervised By :Semsettin Yesilyurt 08/08/2025

Quant Time: Aug 08 04:05:03 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	218306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.843	114	410147	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.629	117	372672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	173846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	161477	48.897	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	97.800%		
35) Dibromofluoromethane	7.898	113	142295	51.057	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	102.120%		
50) Toluene-d8	10.325	98	543171	51.496	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	103.000%		
62) 4-Bromofluorobenzene	12.617	95	200915	49.606	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	99.220%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	81192	50.041	ug/l	99
3) Chloromethane	2.253	50	109368	52.518	ug/l	98
4) Vinyl Chloride	2.405	62	138493	51.195	ug/l	100
5) Bromomethane	2.826	94	101869	51.138	ug/l	99
6) Chloroethane	2.966	64	91678	51.348	ug/l	100
7) Trichlorofluoromethane	3.302	101	113201	41.315	ug/l	98
8) Diethyl Ether	3.716	74	87560	47.840	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.100	101	140926	53.473	ug/l	99
10) Methyl Iodide	4.308	142	197331	50.079	ug/l	98
11) Tert butyl alcohol	5.216	59	51902	267.371	ug/l	100
12) 1,1-Dichloroethene	4.076	96	153320	52.671	ug/l	95
13) Acrolein	3.923	56	11429	34.079	ug/l	99
14) Allyl chloride	4.698	41	224842	49.618	ug/l	99
15) Acrylonitrile	5.399	53	203770	249.026	ug/l	98
16) Acetone	4.155	43	192000	245.008	ug/l	95
17) Carbon Disulfide	4.423	76	386347	51.176	ug/l	98
18) Methyl Acetate	4.704	43	114211	52.900	ug/l	100
19) Methyl tert-butyl Ether	5.454	73	265712	52.830	ug/l	97
20) Methylene Chloride	4.948	84	167010	49.813	ug/l	98
21) trans-1,2-Dichloroethene	5.448	96	160982	52.123	ug/l	98
22) Diisopropyl ether	6.338	45	464935	51.275	ug/l	99
23) Vinyl Acetate	6.277	43	1494378	252.263	ug/l	99
24) 1,1-Dichloroethane	6.240	63	297497	52.696	ug/l	99
25) 2-Butanone	7.191	43	270649	252.423	ug/l	96
26) 2,2-Dichloropropane	7.179	77	161890	50.652	ug/l	99
27) cis-1,2-Dichloroethene	7.191	96	194791	53.648	ug/l	98
28) Bromochloromethane	7.526	49	106395	45.011	ug/l	96
29) Tetrahydrofuran	7.551	42	176395	250.929	ug/l	100
30) Chloroform	7.685	83	312727	52.832	ug/l	99
31) Cyclohexane	7.965	56	252226	49.800	ug/l	98
32) 1,1,1-Trichloroethane	7.880	97	234461	52.053	ug/l	98
36) 1,1-Dichloropropene	8.093	75	222199	51.915	ug/l	100
37) Ethyl Acetate	7.270	43	111982	45.864	ug/l	99
38) Carbon Tetrachloride	8.081	117	215264	52.406	ug/l	94
39) Methylcyclohexane	9.337	83	280721	52.118	ug/l	98
40) Benzene	8.331	78	668643	52.775	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	71352	48.818	ug/l	95
42) 1,2-Dichloroethane	8.410	62	202950	50.050	ug/l	98
43) Isopropyl Acetate	8.435	43	215912	48.848	ug/l	99
44) Trichloroethene	9.099	130	161652	53.677	ug/l	95
45) 1,2-Dichloropropane	9.374	63	159221	52.181	ug/l	97
46) Dibromomethane	9.465	93	98710	52.186	ug/l	99
47) Bromodichloromethane	9.648	83	238519	52.588	ug/l	98
48) Methyl methacrylate	9.441	41	103965	49.439	ug/l	97
49) 1,4-Dioxane	9.459	88	23584	1249.561	ug/l	100
51) 4-Methyl-2-Pentanone	10.209	43	595446	246.155	ug/l	99
52) Toluene	10.386	92	428304	52.587	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	227603	52.313	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	260304	52.390	ug/l	96
55) 1,1,2-Trichloroethane	10.788	97	128945	51.321	ug/l	91
56) Ethyl methacrylate	10.648	69	185020	52.141	ug/l	98
57) 1,3-Dichloropropane	10.928	76	224230	50.658	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.922	63	410494	225.217	ug/l	100
59) 2-Hexanone	10.965	43	416151	247.498	ug/l	99
60) Dibromochloromethane	11.129	129	152059	51.908	ug/l	100
61) 1,2-Dibromoethane	11.233	107	127122	51.204	ug/l	100
64) Tetrachloroethene	10.861	164	123708	50.348	ug/l	92
65) Chlorobenzene	11.654	112	457345	50.142	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.727	131	145343	51.402	ug/l	99
67) Ethyl Benzene	11.727	91	824554	51.453	ug/l	98
68) m/p-Xylenes	11.837	106	633474	105.003	ug/l	100
69) o-Xylene	12.160	106	298603	52.301	ug/l	98
70) Styrene	12.178	104	513413	52.816	ug/l	98
71) Bromoform	12.343	173	77856	50.346	ug/l #	98
73) Isopropylbenzene	12.459	105	776651	51.488	ug/l	99
74) N-amyl acetate	12.270	43	198592	48.700	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.708	83	152795	47.722	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	110711m	46.126	ug/l	
77) Bromobenzene	12.739	156	165155	50.604	ug/l	97
78) n-propylbenzene	12.800	91	934432	50.439	ug/l	99
79) 2-Chlorotoluene	12.885	91	568974	51.439	ug/l	100
80) 1,3,5-Trimethylbenzene	12.940	105	651264	51.480	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.507	75	52673	50.665	ug/l	95
82) 4-Chlorotoluene	12.983	91	584624	50.381	ug/l	97
83) tert-Butylbenzene	13.202	119	568092	52.719	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	642127	50.148	ug/l	98
85) sec-Butylbenzene	13.379	105	817447	50.514	ug/l	98
86) p-Isopropyltoluene	13.489	119	670905	50.158	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	340592	50.134	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	320678	48.185	ug/l	97
89) n-Butylbenzene	13.818	91	676179	51.533	ug/l	99
90) Hexachloroethane	14.092	117	119549	51.687	ug/l	96
91) 1,2-Dichlorobenzene	13.861	146	298677	49.607	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.476	75	26443	45.714	ug/l	97
93) 1,2,4-Trichlorobenzene	15.129	180	181354	49.946	ug/l	94
94) Hexachlorobutadiene	15.220	225	83291	48.409	ug/l	94
95) Naphthalene	15.354	128	437045	48.958	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	155356	47.223	ug/l	98

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

