

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW073125\
 Data File : VW031964.D
 Acq On : 31 Jul 2025 10:26
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 01 01:12:01 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/01/2025
 Supervised By :Semsettin Yesilyurt 08/01/2025

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	219164	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	380415	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	349396	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	165841	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	158524	47.815	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	95.620%		
35) Dibromofluoromethane	7.898	113	137995	53.384	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	106.760%		
50) Toluene-d8	10.325	98	513316	52.469	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	104.940%		
62) 4-Bromofluorobenzene	12.617	95	187786	49.988	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	99.980%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	83444	51.228	ug/l	96
3) Chloromethane	2.253	50	109762	52.501	ug/l	97
4) Vinyl Chloride	2.405	62	121439	44.715	ug/l	100
5) Bromomethane	2.820	94	98935	49.471	ug/l	94
6) Chloroethane	2.972	64	91796	51.213	ug/l	100
7) Trichlorofluoromethane	3.308	101	111839	40.658	ug/l	99
8) Diethyl Ether	3.722	74	88814	48.335	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.100	101	131546	49.719	ug/l	98
10) Methyl Iodide	4.307	142	189831	47.987	ug/l	99
11) Tert butyl alcohol	5.216	59	53288	273.436	ug/l	100
12) 1,1-Dichloroethene	4.070	96	143486	49.100	ug/l	97
13) Acrolein	3.923	56	18650	61.320	ug/l	100
14) Allyl chloride	4.704	41	210564	46.285	ug/l	100
15) Acrylonitrile	5.399	53	219491	267.188	ug/l	99
16) Acetone	4.155	43	176261	224.043	ug/l	99
17) Carbon Disulfide	4.417	76	386183	50.954	ug/l	100
18) Methyl Acetate	4.710	43	137483	63.430	ug/l	99
19) Methyl tert-butyl Ether	5.460	73	251958	49.899	ug/l	94
20) Methylene Chloride	4.954	84	157854	46.597	ug/l	96
21) trans-1,2-Dichloroethene	5.454	96	153223	49.417	ug/l	99
22) Diisopropyl ether	6.338	45	444810	48.864	ug/l	99
23) Vinyl Acetate	6.283	43	1491787	250.840	ug/l	100
24) 1,1-Dichloroethane	6.234	63	282688	49.877	ug/l	98
25) 2-Butanone	7.191	43	286012	265.707	ug/l	96
26) 2,2-Dichloropropane	7.179	77	140376	43.749	ug/l	97
27) cis-1,2-Dichloroethene	7.185	96	184127	50.512	ug/l	98
28) Bromochloromethane	7.526	49	107513	45.306	ug/l	96
29) Tetrahydrofuran	7.551	42	193992	274.881	ug/l	100
30) Chloroform	7.691	83	301477	50.732	ug/l	97
31) Cyclohexane	7.965	56	236149	46.443	ug/l	95
32) 1,1,1-Trichloroethane	7.886	97	216361	47.846	ug/l	98
36) 1,1-Dichloropropene	8.093	75	208579	52.542	ug/l	99
37) Ethyl Acetate	7.270	43	125111	55.247	ug/l	99
38) Carbon Tetrachloride	8.081	117	201338	52.846	ug/l	94
39) Methylcyclohexane	9.343	83	260833	52.210	ug/l	93
40) Benzene	8.337	78	632037	53.784	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	73117	53.936	ug/l	92
42) 1,2-Dichloroethane	8.410	62	200796	53.389	ug/l	99
43) Isopropyl Acetate	8.435	43	224663	54.800	ug/l	100
44) Trichloroethene	9.099	130	147224	52.707	ug/l	88
45) 1,2-Dichloropropane	9.374	63	154729	54.672	ug/l	96
46) Dibromomethane	9.465	93	100915	57.522	ug/l	99
47) Bromodichloromethane	9.648	83	233890	55.598	ug/l	99
48) Methyl methacrylate	9.441	41	112971	57.921	ug/l	98
49) 1,4-Dioxane	9.459	88	24152	1379.669	ug/l	97
51) 4-Methyl-2-Pentanone	10.215	43	651895	290.553	ug/l	99
52) Toluene	10.392	92	406002	53.745	ug/l	96
53) t-1,3-Dichloropropene	10.605	75	219754	54.456	ug/l	98
54) cis-1,3-Dichloropropene	10.075	75	249266	54.089	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	130598	56.042	ug/l	98
56) Ethyl methacrylate	10.648	69	183087	55.629	ug/l	98
57) 1,3-Dichloropropane	10.934	76	227662	55.453	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.928	63	426598	252.345	ug/l	99
59) 2-Hexanone	10.971	43	457748	293.514	ug/l	100
60) Dibromochloromethane	11.129	129	152872	56.264	ug/l	99
61) 1,2-Dibromoethane	11.233	107	130966	56.875	ug/l	100
64) Tetrachloroethene	10.861	164	124029	53.841	ug/l	88
65) Chlorobenzene	11.660	112	428676	50.130	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	139373	52.574	ug/l	99
67) Ethyl Benzene	11.727	91	771741	51.365	ug/l	99
68) m/p-Xylenes	11.837	106	596010	105.375	ug/l	95
69) o-Xylene	12.166	106	279704	52.254	ug/l	99
70) Styrene	12.178	104	486041	53.332	ug/l	98
71) Bromoform	12.343	173	82914	57.189	ug/l #	97
73) Isopropylbenzene	12.458	105	713307	49.572	ug/l	98
74) N-amyl acetate	12.269	43	196105	50.411	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.714	83	163918	53.667	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	121554m	53.088	ug/l	
77) Bromobenzene	12.745	156	161054	51.729	ug/l	93
78) n-propylbenzene	12.800	91	874035	49.456	ug/l	99
79) 2-Chlorotoluene	12.891	91	537950	50.982	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	606970	50.295	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.513	75	49335	49.745	ug/l	98
82) 4-Chlorotoluene	12.983	91	535413	48.367	ug/l	96
83) tert-Butylbenzene	13.202	119	497169	48.364	ug/l	99
84) 1,2,4-Trimethylbenzene	13.245	105	623299	51.028	ug/l	99
85) sec-Butylbenzene	13.379	105	759392	49.191	ug/l	99
86) p-Isopropyltoluene	13.495	119	632244	49.549	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	328811	50.736	ug/l	98
88) 1,4-Dichlorobenzene	13.580	146	326448	51.420	ug/l	97
89) n-Butylbenzene	13.818	91	596365	47.644	ug/l	98
90) Hexachloroethane	14.086	117	108316	49.091	ug/l	92
91) 1,2-Dichlorobenzene	13.867	146	298877	52.037	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.482	75	28429	51.519	ug/l	97
93) 1,2,4-Trichlorobenzene	15.123	180	178901	51.649	ug/l	88
94) Hexachlorobutadiene	15.232	225	76685	46.721	ug/l	94
95) Naphthalene	15.360	128	451799	53.054	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	150042	47.809	ug/l	99

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

