

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072225\
 Data File : VW031891.D
 Acq On : 22 Jul 2025 09:05
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 07:59:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 07:57:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	228235	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	449234	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	394805	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	183530	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	20528	5.946	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	11.900%#		
35) Dibromofluoromethane	7.904	113	16097	5.273	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	10.540%#		
50) Toluene-d8	10.325	98	62567	5.416	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	10.840%#		
62) 4-Bromofluorobenzene	12.617	95	24327	5.484	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	10.960%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.052	85	9741	5.742	ug/l	97
3) Chloromethane	2.265	50	12168	5.589	ug/l	95
4) Vinyl Chloride	2.412	62	14484	5.121	ug/l	98
5) Bromomethane	2.832	94	11418	5.482	ug/l	98
6) Chloroethane	2.985	64	10231	5.481	ug/l	95
7) Trichlorofluoromethane	3.320	101	15281	5.334	ug/l	96
8) Diethyl Ether	3.735	74	11778	6.155	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.112	101	15377	5.581	ug/l	99
10) Methyl Iodide	4.314	142	22169	5.381	ug/l	97
11) Tert butyl alcohol	5.222	59	5422	26.716	ug/l	99
12) 1,1-Dichloroethene	4.082	96	16290	5.353	ug/l	94
13) Acrolein	3.942	56	9673	25.862	ug/l	97
14) Allyl chloride	4.716	41	24887	5.253	ug/l	97
15) Acrylonitrile	5.411	53	23139	27.048	ug/l	98
16) Acetone	4.173	43	23464	28.639	ug/l	99
17) Carbon Disulfide	4.423	76	40508	5.132	ug/l	98
18) Methyl Acetate	4.716	43	12046	5.337	ug/l	95
19) Methyl tert-butyl Ether	5.472	73	29007	5.516	ug/l	93
20) Methylene Chloride	4.966	84	36859	6.466	ug/l	99
21) trans-1,2-Dichloroethene	5.466	96	17499	5.419	ug/l	96
22) Diisopropyl ether	6.344	45	50407	5.317	ug/l #	88
23) Vinyl Acetate	6.289	43	160114	25.853	ug/l	98
24) 1,1-Dichloroethane	6.258	63	31324	5.307	ug/l	98
25) 2-Butanone	7.203	43	29641	26.442	ug/l	97
26) 2,2-Dichloropropane	7.191	77	18572	5.558	ug/l	100
27) cis-1,2-Dichloroethene	7.203	96	20040	5.279	ug/l	100
28) Bromochloromethane	7.539	49	13347	5.401	ug/l	99
29) Tetrahydrofuran	7.557	42	19682	26.780	ug/l	98
30) Chloroform	7.697	83	32764	5.294	ug/l	99
31) Cyclohexane	7.972	56	31936	6.031	ug/l #	79
32) 1,1,1-Trichloroethane	7.886	97	25435	5.401	ug/l	96
36) 1,1-Dichloropropene	8.100	75	23778	5.072	ug/l	98
37) Ethyl Acetate	7.277	43	13902m	5.198	ug/l	
38) Carbon Tetrachloride	8.087	117	21986	4.887	ug/l	93
39) Methylcyclohexane	9.343	83	29428	4.988	ug/l	98
40) Benzene	8.343	78	69976	5.043	ug/l	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.502	41	8040m	5.104	ug/l	
42) 1,2-Dichloroethane	8.417	62	22835	5.141	ug/l	100
43) Isopropyl Acetate	8.435	43	24443	5.049	ug/l	99
44) Trichloroethene	9.105	130	16617	5.038	ug/l	97
45) 1,2-Dichloropropane	9.380	63	17128	5.125	ug/l	98
46) Dibromomethane	9.471	93	10488	5.062	ug/l	98
47) Bromodichloromethane	9.654	83	24125	4.856	ug/l	96
48) Methyl methacrylate	9.447	41	10983	4.768	ug/l	95
49) 1,4-Dioxane	9.465	88	1664	80.493	ug/l #	87
51) 4-Methyl-2-Pentanone	10.215	43	65866	24.860	ug/l	98
52) Toluene	10.392	92	44580	4.997	ug/l	99
53) t-1,3-Dichloropropene	10.611	75	22560	4.734	ug/l	97
54) cis-1,3-Dichloropropene	10.081	75	26530	4.875	ug/l	97
55) 1,1,2-Trichloroethane	10.788	97	14199	5.160	ug/l	99
56) Ethyl methacrylate	10.648	69	17819	4.585	ug/l	92
57) 1,3-Dichloropropane	10.934	76	24166	4.985	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.929	63	46965	23.525	ug/l	99
59) 2-Hexanone	10.971	43	45962	24.957	ug/l	96
60) Dibromochloromethane	11.130	129	15663	4.882	ug/l	96
61) 1,2-Dibromoethane	11.239	107	13545	4.981	ug/l	99
64) Tetrachloroethene	10.861	164	13609	5.228	ug/l #	88
65) Chlorobenzene	11.660	112	47998	4.967	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.733	131	14955	4.992	ug/l	99
67) Ethyl Benzene	11.733	91	85548	5.039	ug/l	100
68) m/p-Xylenes	11.843	106	63820	9.986	ug/l	100
69) o-Xylene	12.166	106	28989	4.793	ug/l	94
70) Styrene	12.178	104	50399	4.894	ug/l	98
71) Bromoform	12.349	173	7989	4.877	ug/l #	95
73) Isopropylbenzene	12.459	105	76941	4.832	ug/l	100
74) N-amyl acetate	12.270	43	20889	4.852	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	17372	5.139	ug/l	97
76) 1,2,3-Trichloropropane	12.763	75	13366m	5.320	ug/l	
77) Bromobenzene	12.745	156	16967	4.924	ug/l	98
78) n-propylbenzene	12.806	91	97940	5.008	ug/l	100
79) 2-Chlorotoluene	12.885	91	58659	5.023	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	64888	4.859	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.507	75	5052	4.603	ug/l	94
82) 4-Chlorotoluene	12.989	91	62666	5.115	ug/l	99
83) tert-Butylbenzene	13.202	119	56981	5.009	ug/l	97
84) 1,2,4-Trimethylbenzene	13.245	105	67882	5.022	ug/l	97
85) sec-Butylbenzene	13.379	105	86541	5.066	ug/l	98
86) p-Isopropyltoluene	13.489	119	71432	5.059	ug/l	100
87) 1,3-Dichlorobenzene	13.495	146	37803	5.271	ug/l	99
88) 1,4-Dichlorobenzene	13.574	146	37516	5.340	ug/l	94
89) n-Butylbenzene	13.818	91	70505	5.090	ug/l	98
90) Hexachloroethane	14.086	117	12586	5.154	ug/l	98
91) 1,2-Dichlorobenzene	13.867	146	33137	5.213	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.483	75	3359	5.501	ug/l	96
93) 1,2,4-Trichlorobenzene	15.123	180	20425	5.328	ug/l	93
94) Hexachlorobutadiene	15.226	225	9622	5.297	ug/l	99
95) Naphthalene	15.360	128	47376	5.027	ug/l	98
96) 1,2,3-Trichlorobenzene	15.549	180	17912	5.157	ug/l	94

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

