

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082525\
 Data File : VW032127.D
 Acq On : 25 Aug 2025 12:33
 Operator : SY/MD
 Sample : VSTDICC005
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC005

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/26/2025
 Supervised By :Semsettin Yesilyurt 08/26/2025

Quant Time: Aug 26 04:04:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082525S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 26 04:03:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.965	168	213891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	374626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	338986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	177377	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.319	65	15604	5.313	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	10.620%#
35) Dibromofluoromethane	7.898	113	13034	5.125	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	10.240%#
50) Toluene-d8	10.331	98	45201	4.981	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	9.960%#
62) 4-Bromofluorobenzene	12.617	95	17501	5.196	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	10.400%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	8380	5.966	ug/l	91
3) Chloromethane	2.253	50	9362	6.148	ug/l	96
4) Vinyl Chloride	2.405	62	10892	5.859	ug/l	96
5) Bromomethane	2.826	94	9719	5.800	ug/l	99
6) Chloroethane	2.972	64	7496	5.682	ug/l #	76
7) Trichlorofluoromethane	3.302	101	10333	5.506	ug/l	98
8) Diethyl Ether	3.722	74	8099	5.904	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.112	101	12080	5.837	ug/l	98
10) Methyl Iodide	4.320	142	17775	5.592	ug/l	98
11) Tert butyl alcohol	5.228	59	5285	28.813	ug/l #	93
12) 1,1-Dichloroethene	4.082	96	12746	5.766	ug/l	98
13) Acrolein	3.923	56	4210	37.052	ug/l	84
14) Allyl chloride	4.704	41	16524	5.283	ug/l	99
15) Acrylonitrile	5.405	53	18395	27.188	ug/l	96
16) Acetone	4.161	43	22767	32.949	ug/l	97
17) Carbon Disulfide	4.429	76	30232	5.466	ug/l	98
18) Methyl Acetate	4.716	43	9826	4.995	ug/l	98
19) Methyl tert-butyl Ether	5.472	73	21651	5.247	ug/l	95
20) Methylene Chloride	4.960	84	14743	5.301	ug/l #	93
21) trans-1,2-Dichloroethene	5.472	96	13523	5.484	ug/l	91
22) Diisopropyl ether	6.344	45	36706	5.327	ug/l #	98
23) Vinyl Acetate	6.283	43	115311	24.399	ug/l	97
24) 1,1-Dichloroethane	6.252	63	23549	5.345	ug/l	98
25) 2-Butanone	7.197	43	26853	28.033	ug/l	97
26) 2,2-Dichloropropane	7.185	77	13516	5.607	ug/l	98
27) cis-1,2-Dichloroethene	7.191	96	15763	5.285	ug/l	97
28) Bromochloromethane	7.539	49	11115	5.445	ug/l #	100
29) Tetrahydrofuran	7.557	42	15222	25.777	ug/l	98
30) Chloroform	7.697	83	28129	5.581	ug/l	100
31) Cyclohexane	7.965	56	23989	6.512	ug/l #	86
32) 1,1,1-Trichloroethane	7.886	97	20187	5.512	ug/l	98
36) 1,1-Dichloropropene	8.100	75	17822	5.318	ug/l	98
37) Ethyl Acetate	7.277	43	9904	4.810	ug/l #	79
38) Carbon Tetrachloride	8.087	117	19071	5.369	ug/l	88
39) Methylcyclohexane	9.343	83	20828	5.226	ug/l	93
40) Benzene	8.337	78	53011	5.137	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	5044	4.497	ug/l #	84
42) 1,2-Dichloroethane	8.410	62	19858	5.532	ug/l	99
43) Isopropyl Acetate	8.435	43	18829	4.962	ug/l	96
44) Trichloroethene	9.099	130	13985	5.261	ug/l	94
45) 1,2-Dichloropropane	9.380	63	13547	5.453	ug/l	98
46) Dibromomethane	9.471	93	9121	5.264	ug/l	98
47) Bromodichloromethane	9.654	83	19616	4.994	ug/l	99
48) Methyl methacrylate	9.447	41	8778	4.924	ug/l	99
49) 1,4-Dioxane	9.471	88	2779	121.047	ug/l #	69
51) 4-Methyl-2-Pentanone	10.215	43	53605	25.072	ug/l	99
52) Toluene	10.392	92	33886	5.052	ug/l	100
53) t-1,3-Dichloropropene	10.611	75	16949	4.803	ug/l	95
54) cis-1,3-Dichloropropene	10.081	75	19469	4.836	ug/l	95
55) 1,1,2-Trichloroethane	10.788	97	12058	5.329	ug/l	92
56) Ethyl methacrylate	10.648	69	13727	4.679	ug/l	96
57) 1,3-Dichloropropane	10.934	76	19956	5.284	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	35952	22.732	ug/l	98
59) 2-Hexanone	10.971	43	38239	25.150	ug/l	98
60) Dibromochloromethane	11.129	129	13926	5.080	ug/l	97
61) 1,2-Dibromoethane	11.239	107	11669	5.195	ug/l	95
64) Tetrachloroethene	10.867	164	12438	5.523	ug/l	91
65) Chlorobenzene	11.660	112	41031	5.355	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.727	131	12734	5.152	ug/l	97
67) Ethyl Benzene	11.727	91	62906	4.964	ug/l	97
68) m/p-Xylenes	11.837	106	48402	9.898	ug/l	99
69) o-Xylene	12.166	106	22339	4.824	ug/l	97
70) Styrene	12.178	104	38254	4.765	ug/l	100
71) Bromoform	12.349	173	7386	4.979	ug/l #	94
73) Isopropylbenzene	12.465	105	55943	4.739	ug/l	95
74) N-amyl acetate	12.270	43	15349	4.472	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.715	83	14715	5.259	ug/l	99
76) 1,2,3-Trichloropropane	12.763	75	11124m	5.109	ug/l	
77) Bromobenzene	12.745	156	15324	5.051	ug/l	90
78) n-propylbenzene	12.800	91	71833	4.939	ug/l	100
79) 2-Chlorotoluene	12.891	91	43668	4.943	ug/l	98
80) 1,3,5-Trimethylbenzene	12.940	105	48202	4.783	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.513	75	3736	4.481	ug/l #	84
82) 4-Chlorotoluene	12.989	91	46556	4.987	ug/l	98
83) tert-Butylbenzene	13.202	119	40590	4.711	ug/l	94
84) 1,2,4-Trimethylbenzene	13.245	105	50190	4.790	ug/l	98
85) sec-Butylbenzene	13.379	105	62848	4.907	ug/l	100
86) p-Isopropyltoluene	13.495	119	51569	4.763	ug/l	98
87) 1,3-Dichlorobenzene	13.495	146	31714	5.293	ug/l	98
88) 1,4-Dichlorobenzene	13.574	146	32548	5.327	ug/l	88
89) n-Butylbenzene	13.818	91	50786	4.884	ug/l	99
90) Hexachloroethane	14.086	117	10119	5.085	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	28568	5.219	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.483	75	2489	4.912	ug/l	89
93) 1,2,4-Trichlorobenzene	15.123	180	17905	5.181	ug/l	97
94) Hexachlorobutadiene	15.226	225	9169	5.509	ug/l	98
95) Naphthalene	15.360	128	36826	4.680	ug/l	99
96) 1,2,3-Trichlorobenzene	15.549	180	16813	5.263	ug/l	95

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

