

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082625\
 Data File : VW032137.D
 Acq On : 26 Aug 2025 09:39
 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 :Mahesh Dadoda 08/27/2025
 Supervised By :Semsettin Yesilyurt 08/27/2025

Quant Time: Aug 27 03:47:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 03:44:37 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.959	168	206660	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	370444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	346771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180065	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.313	65	15541	5.258	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	10.520%#
35) Dibromofluoromethane	7.904	113	13601	5.233	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	10.460%#
50) Toluene-d8	10.325	98	43464	4.764	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	9.520%#
62) 4-Bromofluorobenzene	12.617	95	16578	4.914	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	9.820%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.046	85	7405	5.427	ug/l	92
3) Chloromethane	2.253	50	8229	5.752	ug/l	99
4) Vinyl Chloride	2.399	62	10135	5.455	ug/l	92
5) Bromomethane	2.832	94	9495	5.722	ug/l	91
6) Chloroethane	2.966	64	6650	5.082	ug/l	90
7) Trichlorofluoromethane	3.302	101	7914	4.299	ug/l	99
8) Diethyl Ether	3.722	74	7589	5.524	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.106	101	11532	5.560	ug/l	94
10) Methyl Iodide	4.301	142	16828	5.329	ug/l	98
11) Tert butyl alcohol	5.204	59	4756	26.308	ug/l #	88
12) 1,1-Dichloroethene	4.076	96	12023	5.505	ug/l	94
13) Acrolein	3.936	56	7536	27.119	ug/l	93
14) Allyl chloride	4.704	41	16108	5.192	ug/l	99
15) Acrylonitrile	5.405	53	15695	23.497	ug/l	96
16) Acetone	4.155	43	18385	28.723	ug/l	97
17) Carbon Disulfide	4.417	76	28048	5.134	ug/l	96
18) Methyl Acetate	4.698	43	10206	5.004	ug/l	98
19) Methyl tert-butyl Ether	5.466	73	20274	4.916	ug/l	92
20) Methylene Chloride	4.954	84	20105	4.155	ug/l	92
21) trans-1,2-Dichloroethene	5.454	96	12345	5.060	ug/l	94
22) Diisopropyl ether	6.338	45	32072	4.750	ug/l	91
23) Vinyl Acetate	6.277	43	101339	22.074	ug/l	99
24) 1,1-Dichloroethane	6.234	63	23105	5.227	ug/l	99
25) 2-Butanone	7.191	43	20788	22.919	ug/l	100
26) 2,2-Dichloropropane	7.185	77	11564	4.940	ug/l	97
27) cis-1,2-Dichloroethene	7.185	96	15178	5.112	ug/l	96
28) Bromochloromethane	7.532	49	10305	5.092	ug/l	97
29) Tetrahydrofuran	7.551	42	13561	23.528	ug/l	97
30) Chloroform	7.691	83	26348	5.220	ug/l	94
31) Cyclohexane	7.965	56	21648	5.966	ug/l #	83
32) 1,1,1-Trichloroethane	7.892	97	19386	5.262	ug/l	98
36) 1,1-Dichloropropene	8.093	75	16546	4.910	ug/l	98
37) Ethyl Acetate	7.282	43	9606	4.752	ug/l #	96
38) Carbon Tetrachloride	8.081	117	17291	4.786	ug/l	99
39) Methylcyclohexane	9.343	83	18002	4.510	ug/l	90
40) Benzene	8.331	78	51163	4.912	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.496	41	5632	5.015	ug/l #	85
42) 1,2-Dichloroethane	8.410	62	18244	5.052	ug/l	97
43) Isopropyl Acetate	8.435	43	17422	4.594	ug/l	97
44) Trichloroethene	9.099	130	12977	4.954	ug/l	100
45) 1,2-Dichloropropane	9.374	63	12512	4.983	ug/l	97
46) Dibromomethane	9.465	93	8740	4.962	ug/l	97
47) Bromodichloromethane	9.648	83	19254	4.811	ug/l	93
48) Methyl methacrylate	9.441	41	7054	4.036	ug/l	89
49) 1,4-Dioxane	9.459	88	1889	88.770	ug/l #	38
51) 4-Methyl-2-Pentanone	10.215	43	48128	22.475	ug/l	96
52) Toluene	10.386	92	32955	4.841	ug/l	95
53) t-1,3-Dichloropropene	10.611	75	14930	4.229	ug/l	96
54) cis-1,3-Dichloropropene	10.081	75	18295	4.541	ug/l	98
55) 1,1,2-Trichloroethane	10.788	97	11334	4.949	ug/l	90
56) Ethyl methacrylate	10.648	69	11883	4.058	ug/l	97
57) 1,3-Dichloropropane	10.934	76	18781	4.897	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.928	63	31610	20.226	ug/l	100
59) 2-Hexanone	10.971	43	32049	21.520	ug/l	94
60) Dibromochloromethane	11.129	129	13014	4.696	ug/l	97
61) 1,2-Dibromoethane	11.239	107	10499	4.662	ug/l	91
64) Tetrachloroethene	10.861	164	11029	4.832	ug/l #	85
65) Chlorobenzene	11.660	112	39417	4.994	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.733	131	12280	4.726	ug/l	96
67) Ethyl Benzene	11.733	91	58107	4.493	ug/l	100
68) m/p-Xylenes	11.843	106	43484	8.737	ug/l	96
69) o-Xylene	12.160	106	20131	4.276	ug/l	95
70) Styrene	12.178	104	34891	4.204	ug/l	98
71) Bromoform	12.349	173	7031	4.556	ug/l #	100
73) Isopropylbenzene	12.464	105	51013	4.170	ug/l	100
74) N-amyl acetate	12.269	43	15062	4.241	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.708	83	14008	4.818	ug/l	98
76) 1,2,3-Trichloropropane	12.763	75	11273m	4.835	ug/l	
77) Bromobenzene	12.745	156	14669	4.702	ug/l	96
78) n-propylbenzene	12.800	91	63470	4.274	ug/l	97
79) 2-Chlorotoluene	12.891	91	40515	4.461	ug/l	99
80) 1,3,5-Trimethylbenzene	12.940	105	43406	4.191	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.513	75	3233	3.859	ug/l	91
82) 4-Chlorotoluene	12.983	91	43697	4.495	ug/l	98
83) tert-Butylbenzene	13.202	119	36884	4.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.245	105	45544	4.250	ug/l	99
85) sec-Butylbenzene	13.379	105	57822	4.410	ug/l	99
86) p-Isopropyltoluene	13.495	119	47272	4.240	ug/l	99
87) 1,3-Dichlorobenzene	13.495	146	29910	4.762	ug/l	95
88) 1,4-Dichlorobenzene	13.580	146	31029	4.929	ug/l	97
89) n-Butylbenzene	13.818	91	46303	4.356	ug/l	97
90) Hexachloroethane	14.086	117	9687	4.750	ug/l	99
91) 1,2-Dichlorobenzene	13.867	146	27202	4.891	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.482	75	2386	4.646	ug/l	90
93) 1,2,4-Trichlorobenzene	15.129	180	15663	4.408	ug/l	96
94) Hexachlorobutadiene	15.226	225	8916	5.060	ug/l	99
95) Naphthalene	15.354	128	32224	4.007	ug/l	99
96) 1,2,3-Trichlorobenzene	15.543	180	14982	4.534	ug/l	98

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

