

Data Path : Z:\voasrv\HPCHEM1\MSVOA_R\Data\VR082125\
 Data File : VR026756.D
 Acq On : 21 Aug 2025 14:53
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5mL/MSVOA_R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 08/25/2025
 Supervised By : Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 06:57:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_R\methods\82R082025W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 06:50:13 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.388	168	1863855	50.000	ug/l	0.00
33) 1,4-Difluorobenzene	8.392	114	3015335	50.000	ug/l	0.00
62) Chlorobenzene-d5	11.566	117	2423975	50.000	ug/l	0.00
71) 1,4-Dichlorobenzene-d4	13.761	152	730243	50.000	ug/l	0.00

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	7.770	65	1210515	51.717	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.440%	
34) Dibromofluoromethane	7.298	113	981433	49.904	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.800%	
49) Toluene-d8	10.077	98	3345999	50.751	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.500%	
61) 4-Bromofluorobenzene	12.699	95	932383	49.842	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.680%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.817	85	773929	43.941	ug/l	99
3) Chloromethane	1.817	50	87850	41.922	ug/l #	98
4) Vinyl Chloride	2.125	62	1298657	44.811	ug/l	98
5) Bromomethane	2.446	94	416664	46.829	ug/l	99
6) Chloroethane	2.578	64	839241	50.748	ug/l	96
7) Trichlorofluoromethane	2.873	101	2569948	45.746	ug/l	100
8) Diethyl Ether	3.236	74	968790	53.908	ug/l	100
9) 1,1,2-Trichlorotrifluo...	3.547	101	1087683	48.452	ug/l	99
10) Methyl Iodide	3.714	142	1313304	55.046	ug/l	99
11) Tert butyl alcohol	4.494	59	743255m	206.555	ug/l	
12) 1,1-Dichloroethene	3.524	96	1187056	48.728	ug/l	98
13) Acrolein	3.406	56	474368	190.731	ug/l	97
14) Allyl chloride	4.054	41	2234173	49.765	ug/l	99
15) Acrylonitrile	4.657	53	3710565	241.109	ug/l	99
16) Acetone	3.608	43	2651285	213.990	ug/l	100
17) Carbon Disulfide	3.810	76	3020048	51.045	ug/l	100
18) Methyl Acetate	4.057	43	1690190	46.828	ug/l	99
19) Methyl tert-butyl Ether	4.715	73	4242624	54.910	ug/l	100
20) Methylene Chloride	4.259	84	1373002	51.953	ug/l	99
21) trans-1,2-Dichloroethene	4.702	96	1277192	50.143	ug/l	99
22) Diisopropyl ether	5.613	45	5024368	54.399	ug/l	97
23) Vinyl Acetate	5.546	43	15061729	245.879	ug/l	91
24) 1,1-Dichloroethane	5.485	63	2308622	50.794	ug/l	99
25) 2-Butanone	6.499	43	4497806	233.812	ug/l	97
26) 2,2-Dichloropropane	6.480	77	1657694	53.239	ug/l	99
27) cis-1,2-Dichloroethene	6.480	96	1550990	53.801	ug/l	100
28) Bromochloromethane	6.865	49	661087	49.146	ug/l	98
29) Chloroform	7.061	83	2175069	53.264	ug/l	99
30) Cyclohexane	7.372	56	2251063	46.965	ug/l	99
31) 1,1,1-Trichloroethane	7.276	97	1715597	51.738	ug/l	99
35) 1,1-Dichloropropene	7.523	75	1555407	50.786	ug/l	100
36) Ethyl Acetate	6.599	43	1885633	48.127	ug/l	99
37) Carbon Tetrachloride	7.497	117	1420973	51.559	ug/l	98
38) Methylcyclohexane	8.944	83	1953533	50.974	ug/l	95
39) Benzene	7.789	78	5103094	54.276	ug/l	93
40) Methacrylonitrile	6.839	41	1047197	51.244	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) 1,2-Dichloroethane	7.879	62	1412736	54.191	ug/l	100
42) Isopropyl Acetate	7.943	43	2953687	53.174	ug/l	99
43) Trichloroethene	8.665	130	999180	48.711	ug/l	98
44) 1,2-Dichloropropane	8.976	63	1190935	52.910	ug/l	100
45) Dibromomethane	9.076	93	777445	54.371	ug/l	99
46) Bromodichloromethane	9.297	83	1480221	55.614	ug/l	99
47) Methyl methacrylate	9.082	41	1438266	53.050	ug/l	100
48) 1,4-Dioxane	9.082	88	325462	934.469	ug/l	100
50) 4-Methyl-2-Pentanone	9.961	43	6718182	244.639	ug/l	91
51) Toluene	10.148	92	2853901	53.156	ug/l	93
52) t-1,3-Dichloropropene	10.404	75	1462909	58.032	ug/l	96
53) cis-1,3-Dichloropropene	9.791	75	1700423	55.601	ug/l	99
54) 1,1,2-Trichloroethane	10.606	97	997615	52.350	ug/l	97
55) Ethyl methacrylate	10.469	69	1787627	54.536	ug/l	100
56) 1,3-Dichloropropane	10.770	76	1709590	53.224	ug/l	100
57) 2-Chloroethyl Vinyl ether	9.631	63	381370	217.127	ug/l	98
58) 2-Hexanone	10.828	43	4861860	259.022	ug/l	91
59) Dibromochloromethane	10.988	129	981963	54.782	ug/l	100
60) 1,2-Dibromoethane	11.104	107	910285	52.852	ug/l	99
63) Tetrachloroethene	10.690	164	796044	46.740	ug/l	97
64) Chlorobenzene	11.595	112	2784510	51.621	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.681	131	954000	52.675	ug/l	100
66) Ethyl Benzene	11.688	91	4826092	53.512	ug/l	87
67) m/p-Xylenes	11.816	106	4098000	108.588	ug/l	90
68) o-Xylene	12.185	106	2004854	52.428	ug/l	93
69) Styrene	12.201	104	3153447	56.039	ug/l	96
70) Bromoform	12.381	173	527252	53.990	ug/l #	99
72) Isopropylbenzene	12.529	105	4268335	53.848	ug/l	94
73) N-amyl acetate	12.323	43	1722585	60.193	ug/l	99
74) 1,1,2,2-Tetrachloroethane	12.808	83	1187129	52.317	ug/l	99
75) 1,2,3-Trichloropropane	12.866	75	939887m	52.213	ug/l	
76) Bromobenzene	12.840	156	908072	52.337	ug/l	99
77) n-propylbenzene	12.914	91	4596282	54.087	ug/l	95
78) 2-Chlorotoluene	13.007	91	2719112	54.181	ug/l	98
79) 1,3,5-Trimethylbenzene	13.074	105	3183740	53.786	ug/l	97
80) trans-1,4-Dichloro-2-b...	12.580	75	346236	58.687	ug/l	100
81) 4-Chlorotoluene	13.116	91	2538487	55.204	ug/l	98
82) tert-Butylbenzene	13.369	119	2915126	52.677	ug/l	95
83) 1,2,4-Trimethylbenzene	13.421	105	2960804	54.856	ug/l	97
84) sec-Butylbenzene	13.572	105	3746944	52.640	ug/l	96
85) p-Isopropyltoluene	13.703	119	2893942	52.321	ug/l	97
86) 1,3-Dichlorobenzene	13.697	146	1288094	49.989	ug/l	99
87) 1,4-Dichlorobenzene	13.787	146	1249666	50.339	ug/l	99
88) n-Butylbenzene	14.069	91	2025505	51.252	ug/l	98
89) Hexachloroethane	14.371	117	445475	49.654	ug/l	99
90) 1,2-Dichlorobenzene	14.117	146	1100640	50.862	ug/l	99
91) 1,2-Dibromo-3-Chloropr...	14.813	75	114095	50.710	ug/l	98
92) 1,2,4-Trichlorobenzene	15.580	180	744939	52.395	ug/l	100
93) Hexachlorobutadiene	15.702	225	256596	54.755	ug/l	100
94) Naphthalene	15.863	128	1990633	48.966	ug/l	100
95) 1,2,3-Trichlorobenzene	15.580	180	744939	53.998	ug/l	99

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

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ALS Vial : 10 Sample Multiplier: 1

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