

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV071825\
 Data File : VV038915.D
 Acq On : 18 Jul 2025 11:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC050

Quant Time: Jul 19 00:36:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V071125W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 14 09:44:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	642623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1059725	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	984180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	532516	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.940	65	398320	50.730	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 101.460%	
35) Dibromofluoromethane	4.497	113	383722	53.109	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 106.220%	
50) Toluene-d8	7.233	98	1082119	49.548	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 99.100%	
62) 4-Bromofluorobenzene	9.998	95	498074	56.613	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 113.220%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	297904	52.759	ug/l	98
3) Chloromethane	1.230	50	293135	48.075	ug/l	99
4) Vinyl Chloride	1.297	62	347941	49.857	ug/l	99
5) Bromomethane	1.487	94	220698	55.659	ug/l	95
6) Chloroethane	1.555	64	231366	49.601	ug/l	99
7) Trichlorofluoromethane	1.722	101	585745	47.437	ug/l	99
8) Diethyl Ether	1.918	74	221753	49.940	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.079	101	358063	48.497	ug/l	97
10) Methyl Iodide	2.194	142	454104	53.572	ug/l	98
11) Tert butyl alcohol	2.571	59	417895	231.178	ug/l	99
12) 1,1-Dichloroethene	2.082	96	318102	47.284	ug/l	97
13) Acrolein	2.008	56	62619	239.540	ug/l	99
14) Allyl chloride	2.355	41	543340	50.695	ug/l	99
15) Acrylonitrile	2.670	53	1072238	231.792	ug/l	99
16) Acetone	2.117	43	827035	243.416	ug/l	99
17) Carbon Disulfide	2.249	76	685899	64.489	ug/l	100
18) Methyl Acetate	2.378	43	619203	53.865	ug/l	98
19) Methyl tert-butyl Ether	2.709	73	1203557	47.715	ug/l	99
20) Methylene Chloride	2.455	84	378888	43.957	ug/l	96
21) trans-1,2-Dichloroethene	2.699	96	334259	46.697	ug/l	95
22) Diisopropyl ether	3.214	45	1148554	53.632	ug/l	97
23) Vinyl Acetate	3.185	43	4513048	268.763	ug/l	99
24) 1,1-Dichloroethane	3.117	63	661194	47.144	ug/l	98
25) 2-Butanone	3.863	43	1266905	260.152	ug/l	97
26) 2,2-Dichloropropane	3.809	77	599181	48.796	ug/l	99
27) cis-1,2-Dichloroethene	3.815	96	422100	51.354	ug/l	99
28) Bromochloromethane	4.143	49	266139	49.025	ug/l	96
29) Tetrahydrofuran	4.233	42	847239	263.969	ug/l	96
30) Chloroform	4.275	83	696504	45.045	ug/l	99
31) Cyclohexane	4.580	56	499663	54.278	ug/l	95
32) 1,1,1-Trichloroethane	4.510	97	616849	45.722	ug/l	99
36) 1,1-Dichloropropene	4.741	75	436778	52.601	ug/l	99
37) Ethyl Acetate	3.973	43	490910	50.213	ug/l	99
38) Carbon Tetrachloride	4.731	117	515397	46.727	ug/l	97
39) Methylcyclohexane	6.043	83	558918	57.046	ug/l	99
40) Benzene	5.005	78	1406210	49.956	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.156	41	240213	53.537	ug/l	98
42) 1,2-Dichloroethane	5.037	62	487975	45.480	ug/l	99
43) Isopropyl Acetate	5.191	43	791284	51.177	ug/l	99
44) Trichloroethene	5.828	130	360228	48.973	ug/l	100
45) 1,2-Dichloropropane	6.088	63	346502	46.599	ug/l	100
46) Dibromomethane	6.223	93	268711	46.706	ug/l	99
47) Bromodichloromethane	6.423	83	559325	45.809	ug/l	98
48) Methyl methacrylate	6.294	41	373467	55.656	ug/l	97
49) 1,4-Dioxane	6.284	88	143553	992.910	ug/l	99
51) 4-Methyl-2-Pentanone	7.146	43	2650386	251.740	ug/l	99
52) Toluene	7.307	92	911816	51.420	ug/l	99
53) t-1,3-Dichloropropene	7.570	75	570813	51.666	ug/l	99
54) cis-1,3-Dichloropropene	6.947	75	600591	50.288	ug/l	99
55) 1,1,2-Trichloroethane	7.760	97	385069	45.431	ug/l	98
56) Ethyl methacrylate	7.712	69	588367	58.415	ug/l	98
57) 1,3-Dichloropropane	7.934	76	617674	48.601	ug/l	97
58) 2-Chloroethyl Vinyl ether	6.808	63	1564374	213.661	ug/l	98
59) 2-Hexanone	8.062	43	1981500	252.829	ug/l	99
60) Dibromochloromethane	8.165	129	441367	44.218	ug/l	99
61) 1,2-Dibromoethane	8.271	107	400002	46.844	ug/l	98
64) Tetrachloroethene	7.895	164	305793	47.376	ug/l	97
65) Chlorobenzene	8.802	112	1040342	48.378	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.898	131	373842	43.592	ug/l	98
67) Ethyl Benzene	8.934	91	1780062	55.746	ug/l	100
68) m/p-Xylenes	9.062	106	1397979	112.450	ug/l	99
69) o-Xylene	9.467	106	665352	56.703	ug/l	98
70) Styrene	9.484	104	1174696	56.643	ug/l	99
71) Bromoform	9.654	173	318218	45.650	ug/l #	98
73) Isopropylbenzene	9.857	105	1821707	57.253	ug/l	99
74) N-amyl acetate	9.725	43	706040	60.575	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	609798	45.755	ug/l	99
76) 1,2,3-Trichloropropane	10.197	75	473227	47.797	ug/l	80
77) Bromobenzene	10.140	156	432404	51.806	ug/l	98
78) n-propylbenzene	10.278	91	2178716	58.587	ug/l	100
79) 2-Chlorotoluene	10.345	91	1276176	53.961	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	1558042	58.065	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.927	75	223327	55.045	ug/l	95
82) 4-Chlorotoluene	10.461	91	1508137	57.047	ug/l	99
83) tert-Butylbenzene	10.789	119	1566460	55.682	ug/l	99
84) 1,2,4-Trimethylbenzene	10.837	105	1551326	58.757	ug/l	100
85) sec-Butylbenzene	11.011	105	2046359	56.993	ug/l	100
86) p-Isopropyltoluene	11.165	119	1723002	56.521	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	856812	50.292	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	887583	47.893	ug/l	99
89) n-Butylbenzene	11.580	91	1658054	59.580	ug/l	99
90) Hexachloroethane	11.821	117	333637	46.015	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	817878	49.453	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.348	75	140887	46.757	ug/l	94
93) 1,2,4-Trichlorobenzene	13.184	180	554662	56.816	ug/l	100
94) Hexachlorobutadiene	13.368	225	245506	48.833	ug/l	98
95) Naphthalene	13.422	128	1937306	60.399	ug/l	100
96) 1,2,3-Trichlorobenzene	13.663	180	556168	54.963	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

