

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048822.D
 Acq On : 11 Dec 2025 13:02
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/12/2025
 Supervised By : Mahesh Dadoda 12/12/2025

Quant Time: Dec 11 23:47:08 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	165373	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.739	114	271652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	243221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	120178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	114520	51.595	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.180%			
35) Dibromofluoromethane	5.367	113	96546	51.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.240%			
50) Toluene-d8	8.628	98	332616	50.731	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.460%			
62) 4-Bromofluorobenzene	11.061	95	119751	52.967	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	98039	58.184	ug/l	99
3) Chloromethane	1.300	50	97213	45.721	ug/l	99
4) Vinyl Chloride	1.380	62	101486	44.817	ug/l	100
5) Bromomethane	1.617	94	70022	50.037	ug/l	99
6) Chloroethane	1.697	64	62806	44.564	ug/l	96
7) Trichlorofluoromethane	1.892	101	152251	46.911	ug/l	97
8) Diethyl Ether	2.130	74	57016	44.014	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	89363	47.496	ug/l	98
10) Methyl Iodide	2.453	142	132485	49.461	ug/l	99
11) Tert butyl alcohol	2.928	59	43614	121.706	ug/l	98
12) 1,1-Dichloroethene	2.325	96	88917	46.303	ug/l	96
13) Acrolein	2.233	56	55159	173.980	ug/l	100
14) Allyl chloride	2.660	41	157759	48.932	ug/l	97
15) Acrylonitrile	3.050	53	209410	187.540	ug/l	100
16) Acetone	2.367	43	123460	145.296	ug/l	99
17) Carbon Disulfide	2.514	76	246865	44.267	ug/l	98
18) Methyl Acetate	2.697	43	87528	36.611	ug/l	100
19) Methyl tert-butyl Ether	3.099	73	294533	47.128	ug/l	99
20) Methylene Chloride	2.788	84	102361	48.195	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	92900	47.400	ug/l	97
22) Diisopropyl ether	3.745	45	325946	54.094	ug/l	93
23) Vinyl Acetate	3.709	43	1273167	251.467	ug/l	98
24) 1,1-Dichloroethane	3.599	63	174259	51.861	ug/l	99
25) 2-Butanone	4.526	43	212517	169.459	ug/l	93
26) 2,2-Dichloropropane	4.465	77	146056	49.126	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	111795	50.548	ug/l	95
28) Bromochloromethane	4.879	49	87241	52.972	ug/l	87
29) Tetrahydrofuran	4.977	42	149492	156.112	ug/l	96
30) Chloroform	5.074	83	179374	49.821	ug/l	100
31) Cyclohexane	5.458	56	143979	47.993	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	158611	49.168	ug/l	96
36) 1,1-Dichloropropene	5.672	75	119500	46.646	ug/l	97
37) Ethyl Acetate	4.690	43	112640	36.797	ug/l	97
38) Carbon Tetrachloride	5.659	117	140072	48.271	ug/l	95
39) Methylcyclohexane	7.360	83	145662	48.085	ug/l	99
40) Benzene	6.019	78	374535	49.317	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	57693	41.423	ug/l	98
42) 1,2-Dichloroethane	6.068	62	131807	49.036	ug/l	97
43) Isopropyl Acetate	6.318	43	182902	39.459	ug/l	96
44) Trichloroethene	7.104	130	95129	48.007	ug/l	98
45) 1,2-Dichloropropane	7.409	63	95286	50.199	ug/l	98
46) Dibromomethane	7.562	93	68392	47.513	ug/l	98
47) Bromodichloromethane	7.799	83	148400	49.448	ug/l	97
48) Methyl methacrylate	7.671	41	92633	39.728	ug/l	98
49) 1,4-Dioxane	7.641	88	20005	623.831	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	512379	178.090	ug/l	98
52) Toluene	8.702	92	231421	50.534	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	145948	51.118	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	157465	51.318	ug/l	100
55) 1,1,2-Trichloroethane	9.134	97	88593	48.081	ug/l	97
56) Ethyl methacrylate	9.098	69	132486	45.936	ug/l	99
57) 1,3-Dichloropropane	9.287	76	152302	49.709	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	387162	248.368	ug/l	98
59) 2-Hexanone	9.409	43	336608	166.667	ug/l	99
60) Dibromochloromethane	9.500	129	112797	49.506	ug/l	100
61) 1,2-Dibromoethane	9.592	107	92845	46.556	ug/l	100
64) Tetrachloroethene	9.256	164	81086	45.737	ug/l	100
65) Chlorobenzene	10.061	112	257178	48.307	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	93169	48.928	ug/l	100
67) Ethyl Benzene	10.177	91	440088	50.658	ug/l	99
68) m/p-Xylenes	10.281	106	338698	100.087	ug/l	99
69) o-Xylene	10.622	106	161797	51.024	ug/l	100
70) Styrene	10.634	104	281161	51.649	ug/l	99
71) Bromoform	10.780	173	71667	42.157	ug/l #	100
73) Isopropylbenzene	10.945	105	419231	51.766	ug/l	100
74) N-amyl acetate	10.823	43	163687	46.517	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	114648	41.956	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	105826m	47.279	ug/l	
77) Bromobenzene	11.177	156	107068	49.533	ug/l	98
78) n-propylbenzene	11.287	91	490699	52.315	ug/l	100
79) 2-Chlorotoluene	11.347	91	289405	50.599	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	341158	51.249	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	38498	40.855	ug/l #	55
82) 4-Chlorotoluene	11.433	91	347296	52.033	ug/l	99
83) tert-Butylbenzene	11.695	119	344867	49.858	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	345530	51.456	ug/l	100
85) sec-Butylbenzene	11.872	105	429699	51.260	ug/l	100
86) p-Isopropyltoluene	11.988	119	364957	50.933	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	193767	48.626	ug/l	100
88) 1,4-Dichlorobenzene	12.024	146	194211	47.163	ug/l	98
89) n-Butylbenzene	12.311	91	335038	49.939	ug/l	99
90) Hexachloroethane	12.518	117	69929	47.816	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	187591	48.558	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	21843	32.845	ug/l	99
93) 1,2,4-Trichlorobenzene	13.567	180	122417	47.978	ug/l	99
94) Hexachlorobutadiene	13.707	225	49669	47.062	ug/l	97
95) Naphthalene	13.756	128	329423	46.219	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	113859	48.387	ug/l	99

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

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