

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048355.D
 Acq On : 27 Oct 2025 09:05
 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 10/28/2025
 Supervised By : Mahesh Dadoda 10/28/2025

Quant Time: Oct 28 01:43:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	128546	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	221660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	197395	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	97107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	102955	57.124	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.240%			
35) Dibromofluoromethane	5.361	113	65372	43.199	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 86.400%			
50) Toluene-d8	8.628	98	265050	49.970	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.940%			
62) 4-Bromofluorobenzene	11.061	95	101680	50.390	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.780%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	60391	45.700	ug/l	97
3) Chloromethane	1.301	50	34159	27.693	ug/l	99
4) Vinyl Chloride	1.380	62	82569	72.289	ug/l	100
5) Bromomethane	1.611	94	34079	43.964	ug/l	98
6) Chloroethane	1.691	64	52021	77.506	ug/l	96
7) Trichlorofluoromethane	1.892	101	137418	62.731	ug/l	98
8) Diethyl Ether	2.130	74	54742	88.813	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.331	101	74431	53.657	ug/l	98
10) Methyl Iodide	2.453	142	297592	170.651	ug/l	99
11) Tert butyl alcohol	2.934	59	45280	253.037	ug/l	99
12) 1,1-Dichloroethene	2.325	96	73840	54.714	ug/l	95
13) Acrolein	2.233	56	59318	325.021	ug/l	100
14) Allyl chloride	2.660	41	135414	60.436	ug/l	97
15) Acrylonitrile	3.050	53	190072	294.566	ug/l	98
16) Acetone	2.373	43	101484	164.135	ug/l	98
17) Carbon Disulfide	2.514	76	206126	48.462	ug/l	100
18) Methyl Acetate	2.691	43	82375	63.795	ug/l	96
19) Methyl tert-butyl Ether	3.105	73	281947	61.239	ug/l	98
20) Methylene Chloride	2.782	84	89167	59.186	ug/l	99
21) trans-1,2-Dichloroethene	3.087	96	81699	55.112	ug/l	95
22) Diisopropyl ether	3.745	45	306477	68.579	ug/l	94
23) Vinyl Acetate	3.709	43	1059204	296.708	ug/l	100
24) 1,1-Dichloroethane	3.599	63	162828	60.256	ug/l	98
25) 2-Butanone	4.526	43	178867	228.555	ug/l	96
26) 2,2-Dichloropropane	4.458	77	140783	57.720	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	101994	58.953	ug/l	98
28) Bromochloromethane	4.879	49	65875	58.793	ug/l	97
29) Tetrahydrofuran	4.983	42	135821	289.781	ug/l	98
30) Chloroform	5.074	83	172560	59.771	ug/l	98
31) Cyclohexane	5.452	56	123464	55.187	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	145395	54.644	ug/l	99
36) 1,1-Dichloropropene	5.672	75	104651	48.656	ug/l	99
37) Ethyl Acetate	4.690	43	96184	53.952	ug/l	99
38) Carbon Tetrachloride	5.660	117	121738	45.877	ug/l	98
39) Methylcyclohexane	7.360	83	128636	50.642	ug/l	97
40) Benzene	6.019	78	336921	53.954	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	54332	58.033	ug/l	98
42) 1,2-Dichloroethane	6.062	62	134544	58.388	ug/l	99
43) Isopropyl Acetate	6.312	43	174656	59.642	ug/l	99
44) Trichloroethene	7.104	130	84695	51.365	ug/l	96
45) 1,2-Dichloropropane	7.409	63	87538	58.961	ug/l	96
46) Dibromomethane	7.562	93	64397	55.674	ug/l	98
47) Bromodichloromethane	7.799	83	138966	55.643	ug/l	98
48) Methyl methacrylate	7.671	41	87827	59.435	ug/l	99
49) 1,4-Dioxane	7.641	88	18864	966.279	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	480393	284.523	ug/l	99
52) Toluene	8.702	92	207865	52.397	ug/l	100
53) t-1,3-Dichloropropene	8.958	75	128067	53.212	ug/l	98
54) cis-1,3-Dichloropropene	8.348	75	131198	50.527	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	80878	54.822	ug/l	97
56) Ethyl methacrylate	9.098	69	123158	57.075	ug/l	99
57) 1,3-Dichloropropane	9.287	76	140660	55.818	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	343743	295.946	ug/l	99
59) 2-Hexanone	9.409	43	298977	253.948	ug/l	100
60) Dibromochloromethane	9.500	129	102592	51.739	ug/l	100
61) 1,2-Dibromoethane	9.592	107	83935	53.368	ug/l	98
64) Tetrachloroethene	9.256	164	74288	50.413	ug/l	98
65) Chlorobenzene	10.061	112	235375	53.007	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.147	131	84894	52.052	ug/l	99
67) Ethyl Benzene	10.177	91	398991	52.775	ug/l	99
68) m/p-Xylenes	10.281	106	302203	107.585	ug/l	100
69) o-Xylene	10.622	106	146433	53.997	ug/l	100
70) Styrene	10.634	104	255432	55.316	ug/l	98
71) Bromoform	10.781	173	62908	48.260	ug/l #	99
73) Isopropylbenzene	10.945	105	375481	52.939	ug/l	100
74) N-amyl acetate	10.823	43	155140	61.665	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	101475	52.390	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	83629m	53.106	ug/l	
77) Bromobenzene	11.177	156	93954	52.830	ug/l	99
78) n-propylbenzene	11.287	91	452247	55.070	ug/l	100
79) 2-Chlorotoluene	11.348	91	274388	55.110	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	313791	53.461	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	23819	36.799	ug/l #	12
82) 4-Chlorotoluene	11.433	91	323214	54.685	ug/l	99
83) tert-Butylbenzene	11.695	119	309158	51.264	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	319307	54.510	ug/l	99
85) sec-Butylbenzene	11.872	105	387069	53.347	ug/l	99
86) p-Isopropyltoluene	11.988	119	328504	52.381	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	171851	51.258	ug/l	98
88) 1,4-Dichlorobenzene	12.024	146	173880	50.063	ug/l	99
89) n-Butylbenzene	12.311	91	311650	54.597	ug/l	99
90) Hexachloroethane	12.518	117	59508	48.050	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	165525	52.585	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	20263	51.538	ug/l	92
93) 1,2,4-Trichlorobenzene	13.567	180	112208	52.712	ug/l	99
94) Hexachlorobutadiene	13.707	225	43438	54.450	ug/l	99
95) Naphthalene	13.756	128	299825	53.163	ug/l	99
96) 1,2,3-Trichlorobenzene	13.938	180	103088	52.774	ug/l	98

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

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