

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111125\
 Data File : VX048561.D
 Acq On : 11 Nov 2025 15:06
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2025
 Supervised By : Mahesh Dadoda 11/12/2025

Quant Time: Nov 12 04:46:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.525	168	162928	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.733	114	283812	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.037	117	245753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	122264	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.928	65	124052	54.642	ug/l	-0.02
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.280%			
35) Dibromofluoromethane	5.355	113	106112	49.399	ug/l	-0.02
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.800%			
50) Toluene-d8	8.629	98	355379	53.046	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.100%			
62) 4-Bromofluorobenzene	11.061	95	129489	51.865	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.720%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.173	85	78240	59.263	ug/l	100
3) Chloromethane	1.301	50	98294	56.135	ug/l	99
4) Vinyl Chloride	1.380	62	109325	55.143	ug/l	99
5) Bromomethane	1.612	94	76258	60.914	ug/l	100
6) Chloroethane	1.691	64	67766	52.193	ug/l	96
7) Trichlorofluoromethane	1.892	101	164885	52.570	ug/l	100
8) Diethyl Ether	2.130	74	71015	56.405	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.331	101	95677	52.691	ug/l	99
10) Methyl Iodide	2.453	142	154479	57.486	ug/l	99
11) Tert butyl alcohol	2.934	59	110086	255.901	ug/l	97
12) 1,1-Dichloroethene	2.319	96	100944	53.222	ug/l	98
13) Acrolein	2.233	56	38172	613.276	ug/l	99
14) Allyl chloride	2.660	41	185231	52.454	ug/l	99
15) Acrylonitrile	3.050	53	359223	286.046	ug/l	99
16) Acetone	2.367	43	312871	291.140	ug/l	98
17) Carbon Disulfide	2.514	76	268707	50.346	ug/l	99
18) Methyl Acetate	2.691	43	164388	55.663	ug/l	100
19) Methyl tert-butyl Ether	3.099	73	368236	54.980	ug/l	99
20) Methylene Chloride	2.782	84	118476	53.624	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	104681	52.075	ug/l	99
22) Diisopropyl ether	3.739	45	378385	55.803	ug/l	96
23) Vinyl Acetate	3.703	43	1651064	278.020	ug/l	99
24) 1,1-Dichloroethane	3.599	63	201574	54.177	ug/l	98
25) 2-Butanone	4.526	43	455149	286.302	ug/l	99
26) 2,2-Dichloropropane	4.452	77	150899	47.573	ug/l	99
27) cis-1,2-Dichloroethene	4.465	96	129202	52.582	ug/l	99
28) Bromochloromethane	4.873	49	87229	47.724	ug/l	98
29) Tetrahydrofuran	4.971	42	305965	269.848	ug/l	98
30) Chloroform	5.068	83	199496	51.938	ug/l	97
31) Cyclohexane	5.452	56	151469	49.686	ug/l	99
32) 1,1,1-Trichloroethane	5.361	97	168320	50.213	ug/l	99
36) 1,1-Dichloropropene	5.672	75	127578	44.354	ug/l	99
37) Ethyl Acetate	4.678	43	197793	48.851	ug/l	98
38) Carbon Tetrachloride	5.653	117	146907	44.867	ug/l	96
39) Methylcyclohexane	7.360	83	150150	46.491	ug/l	95
40) Benzene	6.013	78	422996	47.442	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.885	41	92092	51.720	ug/l	99
42) 1,2-Dichloroethane	6.056	62	147236	48.197	ug/l	99
43) Isopropyl Acetate	6.312	43	283196	49.758	ug/l	99
44) Trichloroethene	7.104	130	107675	50.523	ug/l	98
45) 1,2-Dichloropropane	7.403	63	107172	52.277	ug/l	99
46) Dibromomethane	7.556	93	79686	53.293	ug/l	99
47) Bromodichloromethane	7.799	83	160641	53.853	ug/l	98
48) Methyl methacrylate	7.671	41	137069	54.176	ug/l	99
49) 1,4-Dioxane	7.635	88	40107	1040.337	ug/l	97
51) 4-Methyl-2-Pentanone	8.549	43	895783	276.496	ug/l	100
52) Toluene	8.696	92	254172	54.146	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	160496	52.216	ug/l	99
54) cis-1,3-Dichloropropene	8.342	75	174182	54.728	ug/l	98
55) 1,1,2-Trichloroethane	9.128	97	105748	56.385	ug/l	97
56) Ethyl methacrylate	9.098	69	176837	56.673	ug/l	100
57) 1,3-Dichloropropane	9.287	76	178715	54.746	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.220	63	511908	305.150	ug/l	100
59) 2-Hexanone	9.409	43	663532	275.333	ug/l	100
60) Dibromochloromethane	9.500	129	127200	55.240	ug/l	98
61) 1,2-Dibromoethane	9.592	107	113084	55.670	ug/l	100
64) Tetrachloroethene	9.257	164	87091	48.791	ug/l	96
65) Chlorobenzene	10.061	112	286447	49.108	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.140	131	101153	51.755	ug/l	100
67) Ethyl Benzene	10.177	91	471901	48.178	ug/l	97
68) m/p-Xylenes	10.281	106	366055	99.228	ug/l	100
69) o-Xylene	10.622	106	177169	49.087	ug/l	100
70) Styrene	10.634	104	308967	51.030	ug/l	100
71) Bromoform	10.781	173	89990	49.908	ug/l #	100
73) Isopropylbenzene	10.945	105	441649	49.765	ug/l	100
74) N-amyl acetate	10.823	43	224247	50.324	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.195	83	160191	51.185	ug/l	100
76) 1,2,3-Trichloropropane	11.220	75	134539m	45.676	ug/l	
77) Bromobenzene	11.177	156	115654	50.468	ug/l	99
78) n-propylbenzene	11.287	91	511188	48.986	ug/l	100
79) 2-Chlorotoluene	11.341	91	311058	49.330	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	358986	49.619	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	53668	52.116	ug/l	95
82) 4-Chlorotoluene	11.433	91	362047	48.947	ug/l	99
83) tert-Butylbenzene	11.695	119	362985	48.508	ug/l	97
84) 1,2,4-Trimethylbenzene	11.732	105	363610	49.811	ug/l	98
85) sec-Butylbenzene	11.872	105	444036	48.011	ug/l	100
86) p-Isopropyltoluene	11.988	119	375343	48.273	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	210704	49.057	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	214313	48.307	ug/l	100
89) n-Butylbenzene	12.311	91	354507	48.601	ug/l	99
90) Hexachloroethane	12.518	117	72048	48.634	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	213269	51.724	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	36710	50.474	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	124229	45.340	ug/l	97
94) Hexachlorobutadiene	13.707	225	48350	42.213	ug/l	98
95) Naphthalene	13.756	128	448780	50.944	ug/l	99
96) 1,2,3-Trichlorobenzene	13.939	180	120834	47.413	ug/l	100

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

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