

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048838.D
 Acq On : 11 Dec 2025 19:25
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 11 23:56:04 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	5.538	168	162156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	279725	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	262173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133253	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	134075	61.603	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 123.200%#			
35) Dibromofluoromethane	5.373	113	106794	55.448	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.900%			
50) Toluene-d8	8.635	98	352084	52.151	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.300%			
62) 4-Bromofluorobenzene	11.061	95	132624	56.968	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.940%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.173	85	86814	52.545	ug/l	100
3) Chloromethane	1.301	50	88992	42.684	ug/l	99
4) Vinyl Chloride	1.380	62	90172	40.610	ug/l	99
5) Bromomethane	1.618	94	61810	45.045	ug/l	97
6) Chloroethane	1.697	64	55762	40.351	ug/l	91
7) Trichlorofluoromethane	1.898	101	138711	43.587	ug/l	96
8) Diethyl Ether	2.136	74	51652	40.664	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.337	101	80626	43.702	ug/l	99
10) Methyl Iodide	2.453	142	115138	43.838	ug/l	97
11) Tert butyl alcohol	2.934	59	42252	120.244	ug/l	98
12) 1,1-Dichloroethene	2.325	96	78589	41.737	ug/l	98
13) Acrolein	2.233	56	45025	151.564	ug/l	98
14) Allyl chloride	2.666	41	141552	44.776	ug/l	98
15) Acrylonitrile	3.056	53	193577	176.800	ug/l	100
16) Acetone	2.374	43	164089	196.943	ug/l	100
17) Carbon Disulfide	2.520	76	219219	40.090	ug/l	99
18) Methyl Acetate	2.697	43	83259	35.516	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	270658	44.167	ug/l	98
20) Methylene Chloride	2.788	84	94922	45.579	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	84976	44.217	ug/l	95
22) Diisopropyl ether	3.751	45	297529	50.358	ug/l	92
23) Vinyl Acetate	3.715	43	1162777	234.219	ug/l	98
24) 1,1-Dichloroethane	3.605	63	162819	49.418	ug/l	98
25) 2-Butanone	4.538	43	221253	179.925	ug/l	95
26) 2,2-Dichloropropane	4.465	77	128261	43.996	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	104904	48.373	ug/l	95
28) Bromochloromethane	4.885	49	82810	51.279	ug/l	86
29) Tetrahydrofuran	4.983	42	140321	149.442	ug/l	94
30) Chloroform	5.080	83	168761	47.804	ug/l	96
31) Cyclohexane	5.458	56	124190	42.218	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	148079	46.813	ug/l	97
36) 1,1-Dichloropropene	5.684	75	106567	40.397	ug/l	99
37) Ethyl Acetate	4.696	43	107363	34.061	ug/l	98
38) Carbon Tetrachloride	5.666	117	126303	42.270	ug/l	95
39) Methylcyclohexane	7.367	83	123667	39.646	ug/l	98
40) Benzene	6.025	78	343507	43.926	ug/l	98

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41) Methacrylonitrile	4.904	41	52713	36.755	ug/l #	95
42) 1,2-Dichloroethane	6.074	62	124869	45.114	ug/l	97
43) Isopropyl Acetate	6.324	43	168008	35.200	ug/l	97
44) Trichloroethene	7.110	130	90791	44.495	ug/l	91
45) 1,2-Dichloropropane	7.415	63	89131	45.602	ug/l	97
46) Dibromomethane	7.568	93	62967	42.481	ug/l	98
47) Bromodichloromethane	7.805	83	138263	44.741	ug/l	99
48) Methyl methacrylate	7.677	41	85974	35.808	ug/l	98
49) 1,4-Dioxane	7.641	88	19585	593.108	ug/l	98
51) 4-Methyl-2-Pentanone	8.555	43	484912	163.679	ug/l	97
52) Toluene	8.702	92	212733	45.112	ug/l	98
53) t-1,3-Dichloropropene	8.964	75	134000	45.579	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	144814	45.833	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	83582	44.052	ug/l	99
56) Ethyl methacrylate	9.098	69	123993	41.751	ug/l	99
57) 1,3-Dichloropropane	9.293	76	141308	44.789	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	341885	212.993	ug/l	98
59) 2-Hexanone	9.415	43	333022	160.132	ug/l	99
60) Dibromochloromethane	9.506	129	106581	45.428	ug/l	99
61) 1,2-Dibromoethane	9.592	107	85987	41.873	ug/l	98
64) Tetrachloroethene	9.256	164	73593	38.510	ug/l	99
65) Chlorobenzene	10.061	112	240180	41.853	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.147	131	87861	42.805	ug/l	98
67) Ethyl Benzene	10.177	91	403561	43.096	ug/l	97
68) m/p-Xylenes	10.287	106	312406	85.644	ug/l	97
69) o-Xylene	10.622	106	150940	44.159	ug/l	97
70) Styrene	10.640	104	258285	44.017	ug/l	100
71) Bromoform	10.781	173	68174	37.203	ug/l #	100
73) Isopropylbenzene	10.945	105	376738	41.954	ug/l	99
74) N-amyl acetate	10.823	43	151139	38.737	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	105963	34.972	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	97882m	39.439	ug/l	
77) Bromobenzene	11.177	156	99383	41.466	ug/l	98
78) n-propylbenzene	11.287	91	441509	42.452	ug/l	100
79) 2-Chlorotoluene	11.348	91	267245	42.140	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	310074	42.009	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	34246	32.777	ug/l #	80
82) 4-Chlorotoluene	11.433	91	315274	42.601	ug/l	100
83) tert-Butylbenzene	11.695	119	314894	41.058	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	315235	42.338	ug/l	99
85) sec-Butylbenzene	11.872	105	382455	41.147	ug/l	99
86) p-Isopropyltoluene	11.988	119	324313	40.819	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	179989	40.737	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	181651	39.785	ug/l	100
89) n-Butylbenzene	12.311	91	292154	39.274	ug/l	99
90) Hexachloroethane	12.518	117	62588	38.597	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	173564	40.518	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.920	75	20517	27.824	ug/l	97
93) 1,2,4-Trichlorobenzene	13.567	180	109424	38.678	ug/l	99
94) Hexachlorobutadiene	13.707	225	41218	35.222	ug/l	98
95) Naphthalene	13.756	128	306172	39.634	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	101152	38.769	ug/l	99

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

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