

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048153.D
 Acq On : 14 Oct 2025 10:02
 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 10/15/2025
 Supervised By : Mahesh Dadoda 10/16/2025

Quant Time: Oct 15 02:39:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	124958	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	212282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	195629	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	95000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	105555	53.069	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.140%			
35) Dibromofluoromethane	5.367	113	83107	58.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 116.740%			
50) Toluene-d8	8.634	98	273280	55.475	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.940%			
62) 4-Bromofluorobenzene	11.061	95	104295	55.785	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.580%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	83323	64.394	ug/l	99
3) Chloromethane	1.300	50	94592	55.622	ug/l	99
4) Vinyl Chloride	1.380	62	105820	63.566	ug/l	99
5) Bromomethane	1.611	94	64973	61.550	ug/l	99
6) Chloroethane	1.691	64	64713	58.162	ug/l	97
7) Trichlorofluoromethane	1.892	101	161648	65.398	ug/l	97
8) Diethyl Ether	2.136	74	53778	53.186	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	89852	62.168	ug/l	99
10) Methyl Iodide	2.453	142	99997	44.362	ug/l	98
11) Tert butyl alcohol	2.940	59	47281	213.436	ug/l	98
12) 1,1-Dichloroethene	2.325	96	87694	59.068	ug/l	93
13) Acrolein	2.233	56	56174	275.177	ug/l	99
14) Allyl chloride	2.666	41	155995	50.919	ug/l	99
15) Acrylonitrile	3.056	53	208181	253.713	ug/l	99
16) Acetone	2.373	43	198490	229.513	ug/l	98
17) Carbon Disulfide	2.514	76	260707	64.145	ug/l	98
18) Methyl Acetate	2.697	43	85646	44.499	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	271738	50.140	ug/l	100
20) Methylene Chloride	2.788	84	97302	53.153	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	92192	57.678	ug/l	97
22) Diisopropyl ether	3.745	45	312969	52.712	ug/l	89
23) Vinyl Acetate	3.709	43	1187970	249.999	ug/l	100
24) 1,1-Dichloroethane	3.599	63	170542	54.042	ug/l	100
25) 2-Butanone	4.532	43	247988	229.881	ug/l	99
26) 2,2-Dichloropropane	4.465	77	139256	53.086	ug/l	100
27) cis-1,2-Dichloroethene	4.477	96	104261	53.263	ug/l	99
28) Bromochloromethane	4.879	49	66003	47.909	ug/l	99
29) Tetrahydrofuran	4.983	42	152425	234.875	ug/l	99
30) Chloroform	5.074	83	174306	54.659	ug/l	97
31) Cyclohexane	5.452	56	146119	55.594	ug/l	95
32) 1,1,1-Trichloroethane	5.367	97	153370	56.700	ug/l	98
36) 1,1-Dichloropropene	5.672	75	117898	56.673	ug/l	99
37) Ethyl Acetate	4.690	43	106836	47.964	ug/l	99
38) Carbon Tetrachloride	5.659	117	136874	60.555	ug/l	97
39) Methylcyclohexane	7.366	83	140080	59.319	ug/l	96
40) Benzene	6.019	78	356505	56.422	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	59489	51.733	ug/l	98
42) 1,2-Dichloroethane	6.068	62	131107	54.535	ug/l	99
43) Isopropyl Acetate	6.318	43	171708	47.003	ug/l	100
44) Trichloroethene	7.104	130	88141	57.700	ug/l	93
45) 1,2-Dichloropropane	7.409	63	89187	55.124	ug/l	98
46) Dibromomethane	7.562	93	64264	54.583	ug/l	98
47) Bromodichloromethane	7.799	83	139683	57.493	ug/l	98
48) Methyl methacrylate	7.671	41	87675	48.182	ug/l	96
49) 1,4-Dioxane	7.641	88	19859	1079.897	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	499181	246.453	ug/l	99
52) Toluene	8.702	92	218251	56.065	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	132903	53.629	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	145065	54.766	ug/l	98
55) 1,1,2-Trichloroethane	9.134	97	80937	53.920	ug/l	99
56) Ethyl methacrylate	9.098	69	117815	49.978	ug/l	98
57) 1,3-Dichloropropane	9.293	76	141969	55.058	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.226	63	288271	255.570	ug/l	100
59) 2-Hexanone	9.415	43	347109	238.613	ug/l	99
60) Dibromochloromethane	9.500	129	100375	58.035	ug/l	98
61) 1,2-Dibromoethane	9.592	107	83730	54.765	ug/l	100
64) Tetrachloroethene	9.256	164	74940	58.763	ug/l	98
65) Chlorobenzene	10.061	112	241798	54.406	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.146	131	86732	56.554	ug/l	100
67) Ethyl Benzene	10.177	91	423004	55.162	ug/l	100
68) m/p-Xylenes	10.281	106	318453	111.573	ug/l	99
69) o-Xylene	10.622	106	147504	53.430	ug/l	98
70) Styrene	10.640	104	258201	53.377	ug/l	99
71) Bromoform	10.780	173	61853	54.014	ug/l #	98
73) Isopropylbenzene	10.945	105	379155	52.496	ug/l	99
74) N-amyl acetate	10.823	43	150652	45.741	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	107774	49.321	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	97890m	50.893	ug/l	
77) Bromobenzene	11.183	156	91421	51.393	ug/l	96
78) n-propylbenzene	11.286	91	457693	53.607	ug/l	100
79) 2-Chlorotoluene	11.347	91	269324	51.503	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	312991	52.746	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	35151	46.604	ug/l	98
82) 4-Chlorotoluene	11.433	91	319730	51.769	ug/l	99
83) tert-Butylbenzene	11.695	119	302438	49.789	ug/l	98
84) 1,2,4-Trimethylbenzene	11.732	105	314796	52.326	ug/l	99
85) sec-Butylbenzene	11.872	105	379931	52.657	ug/l	100
86) p-Isopropyltoluene	11.988	119	318657	52.167	ug/l	100
87) 1,3-Dichlorobenzene	11.951	146	169017	51.154	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	170864	50.386	ug/l	100
89) n-Butylbenzene	12.311	91	293985	52.013	ug/l	98
90) Hexachloroethane	12.518	117	61342	57.198	ug/l	99
91) 1,2-Dichlorobenzene	12.317	146	159552	50.687	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.926	75	19922	45.030	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	97532	47.675	ug/l	99
94) Hexachlorobutadiene	13.707	225	34324	49.395	ug/l	99
95) Naphthalene	13.756	128	283930	45.578	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	91741	48.208	ug/l	99

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

