

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101525\
 Data File : VX048181.D
 Acq On : 15 Oct 2025 09:57
 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 10/17/2025
 Supervised By : Mahesh Dadoda 10/17/2025

Quant Time: Oct 16 04:01:03 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	5.532	168	121122	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	192731	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	175984	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	91750	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	88173	45.734	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	91.460%		
35) Dibromofluoromethane	5.367	113	72025	55.723	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	111.440%		
50) Toluene-d8	8.629	98	222461	49.740	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.480%		
62) 4-Bromofluorobenzene	11.061	95	88313	52.028	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.060%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	68723	54.793	ug/l	99
3) Chloromethane	1.301	50	83657	50.750	ug/l	99
4) Vinyl Chloride	1.380	62	88755	55.004	ug/l	99
5) Bromomethane	1.611	94	61847	60.444	ug/l	100
6) Chloroethane	1.691	64	58335	54.090	ug/l	99
7) Trichlorofluoromethane	1.892	101	140657	58.708	ug/l	100
8) Diethyl Ether	2.130	74	52366	53.430	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.331	101	78840	56.276	ug/l	99
10) Methyl Iodide	2.453	142	95174	43.560	ug/l	99
11) Tert butyl alcohol	2.941	59	48109	224.051	ug/l	97
12) 1,1-Dichloroethene	2.325	96	77644	53.955	ug/l	98
13) Acrolein	2.233	56	53653	271.152	ug/l	99
14) Allyl chloride	2.660	41	145065	48.851	ug/l	99
15) Acrylonitrile	3.050	53	201123	252.874	ug/l	99
16) Acetone	2.367	43	197788	235.945	ug/l	99
17) Carbon Disulfide	2.514	76	229566	58.272	ug/l	98
18) Methyl Acetate	2.697	43	86844	46.550	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	267727	50.965	ug/l	100
20) Methylene Chloride	2.782	84	93316	52.590	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	83295	53.762	ug/l	97
22) Diisopropyl ether	3.745	45	300653	52.242	ug/l	90
23) Vinyl Acetate	3.709	43	1191271	258.633	ug/l	100
24) 1,1-Dichloroethane	3.599	63	160240	52.385	ug/l	98
25) 2-Butanone	4.532	43	248425	237.579	ug/l	99
26) 2,2-Dichloropropane	4.459	77	128485	50.531	ug/l	99
27) cis-1,2-Dichloroethene	4.471	96	98660	51.997	ug/l	99
28) Bromochloromethane	4.879	49	64825	48.544	ug/l	95
29) Tetrahydrofuran	4.977	42	139059	221.066	ug/l	96
30) Chloroform	5.074	83	167955	54.336	ug/l	98
31) Cyclohexane	5.452	56	135639	53.241	ug/l	97
32) 1,1,1-Trichloroethane	5.361	97	144767	55.215	ug/l	99
36) 1,1-Dichloropropene	5.672	75	111119	58.832	ug/l	99
37) Ethyl Acetate	4.690	43	107528	53.171	ug/l	98
38) Carbon Tetrachloride	5.660	117	127173	61.971	ug/l	98
39) Methylcyclohexane	7.360	83	123269	57.496	ug/l	97
40) Benzene	6.019	78	332881	58.028	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	58838	56.357	ug/l	96
42) 1,2-Dichloroethane	6.062	62	124578	57.076	ug/l	98
43) Isopropyl Acetate	6.312	43	174310	52.555	ug/l	98
44) Trichloroethene	7.104	130	80808	58.266	ug/l	96
45) 1,2-Dichloropropane	7.409	63	85366	58.115	ug/l	100
46) Dibromomethane	7.562	93	63046	58.980	ug/l	98
47) Bromodichloromethane	7.799	83	136269	61.777	ug/l	96
48) Methyl methacrylate	7.671	41	87554	52.996	ug/l	97
49) 1,4-Dioxane	7.641	88	18766	1123.979	ug/l	96
51) 4-Methyl-2-Pentanone	8.555	43	497610	270.599	ug/l	100
52) Toluene	8.702	92	204726	57.926	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	131843	58.598	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	141919	59.014	ug/l	98
55) 1,1,2-Trichloroethane	9.135	97	80128	58.796	ug/l	99
56) Ethyl methacrylate	9.098	69	119506	55.838	ug/l	98
57) 1,3-Dichloropropane	9.287	76	140698	60.100	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	263181	256.901	ug/l	100
59) 2-Hexanone	9.415	43	352473	266.880	ug/l	100
60) Dibromochloromethane	9.500	129	98002	62.411	ug/l	98
61) 1,2-Dibromoethane	9.592	107	84411	60.811	ug/l	98
64) Tetrachloroethene	9.256	164	67735	59.042	ug/l	96
65) Chlorobenzene	10.061	112	227370	56.871	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.147	131	81339	58.958	ug/l	98
67) Ethyl Benzene	10.177	91	386394	56.013	ug/l	100
68) m/p-Xylenes	10.281	106	293837	114.440	ug/l	100
69) o-Xylene	10.622	106	139983	56.366	ug/l	100
70) Styrene	10.634	104	246953	56.751	ug/l	99
71) Bromoform	10.781	173	63089	61.243	ug/l #	97
73) Isopropylbenzene	10.945	105	363876	52.166	ug/l	100
74) N-amyl acetate	10.823	43	152650	47.990	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	108278	51.306	ug/l	99
76) 1,2,3-Trichloropropane	11.220	75	88013m	47.379	ug/l	
77) Bromobenzene	11.177	156	87825	51.121	ug/l	98
78) n-propylbenzene	11.287	91	436837	52.977	ug/l	99
79) 2-Chlorotoluene	11.348	91	258972	51.278	ug/l	99
80) 1,3,5-Trimethylbenzene	11.433	105	305567	53.319	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	34934	47.957	ug/l	99
82) 4-Chlorotoluene	11.433	91	313105	52.492	ug/l	99
83) tert-Butylbenzene	11.695	119	296037	50.461	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	304544	52.415	ug/l	99
85) sec-Butylbenzene	11.872	105	377085	54.114	ug/l	99
86) p-Isopropyltoluene	11.988	119	301508	51.108	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	168393	52.771	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	166166	50.736	ug/l	99
89) n-Butylbenzene	12.311	91	294034	53.865	ug/l	99
90) Hexachloroethane	12.518	117	61829	59.694	ug/l	98
91) 1,2-Dichlorobenzene	12.317	146	165385	54.401	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	21344	49.953	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	96274	48.727	ug/l	97
94) Hexachlorobutadiene	13.707	225	36177	53.906	ug/l	99
95) Naphthalene	13.756	128	284201	47.237	ug/l	100
96) 1,2,3-Trichlorobenzene	13.939	180	92175	50.152	ug/l	99

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

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