

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112125\
 Data File : VX048656.D
 Acq On : 21 Nov 2025 15:14
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/24/2025
 Supervised By : Mahesh Dadoda 11/24/2025

Quant Time: Nov 21 23:03:15 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	5.531	168	159077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	262053	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	229529	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	121546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.933	65	104344	47.074	ug/l	-0.01
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.140%		
35) Dibromofluoromethane	5.366	113	87972	44.355	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	88.700%		
50) Toluene-d8	8.634	98	288947	46.711	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.420%		
62) 4-Bromofluorobenzene	11.061	95	108025	46.860	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.720%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.172	85	65566	50.865	ug/l	99
3) Chloromethane	1.300	50	77088	45.090	ug/l	99
4) Vinyl Chloride	1.379	62	82873	42.813	ug/l	98
5) Bromomethane	1.611	94	52811	43.206	ug/l	93
6) Chloroethane	1.690	64	51691	40.776	ug/l	99
7) Trichlorofluoromethane	1.892	101	133956	43.743	ug/l	97
8) Diethyl Ether	2.129	74	51101	41.571	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.330	101	80172	45.221	ug/l	95
10) Methyl Iodide	2.452	142	98812	37.661	ug/l	96
11) Tert butyl alcohol	2.940	59	90725	216.001	ug/l	99
12) 1,1-Dichloroethene	2.324	96	76795	41.470	ug/l	98
13) Acrolein	2.233	56	13174	216.779	ug/l	93
14) Allyl chloride	2.660	41	144133	41.804	ug/l	94
15) Acrylonitrile	3.050	53	247163	201.578	ug/l	98
16) Acetone	2.367	43	286428	272.986	ug/l	95
17) Carbon Disulfide	2.513	76	178804	34.313	ug/l	99
18) Methyl Acetate	2.696	43	131431	45.581	ug/l	99
19) Methyl tert-butyl Ether	3.105	73	263999	40.371	ug/l	100
20) Methylene Chloride	2.782	84	86126	39.926	ug/l	89
21) trans-1,2-Dichloroethene	3.086	96	68675	34.990	ug/l	93
22) Diisopropyl ether	3.745	45	244884	36.989	ug/l	96
23) Vinyl Acetate	3.708	43	1113694	192.073	ug/l	98
24) 1,1-Dichloroethane	3.599	63	145887	40.160	ug/l	100
25) 2-Butanone	4.531	43	306153	197.241	ug/l	99
26) 2,2-Dichloropropane	4.458	77	111697	36.067	ug/l	98
27) cis-1,2-Dichloroethene	4.476	96	82431	34.360	ug/l	96
28) Bromochloromethane	4.879	49	59516	33.350	ug/l	96
29) Tetrahydrofuran	4.982	42	265104	239.471	ug/l	98
30) Chloroform	5.074	83	194425	51.843	ug/l	99
31) Cyclohexane	5.458	56	135920	45.665	ug/l	99
32) 1,1,1-Trichloroethane	5.366	97	168311	51.425	ug/l	99
36) 1,1-Dichloropropene	5.671	75	118498	44.618	ug/l	100
37) Ethyl Acetate	4.690	43	138064	36.931	ug/l	97
38) Carbon Tetrachloride	5.659	117	143155	47.351	ug/l	96
39) Methylcyclohexane	7.366	83	140152	46.999	ug/l	95
40) Benzene	6.019	78	377004	45.794	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	59377	36.116	ug/l	97
42) 1,2-Dichloroethane	6.068	62	140432	49.786	ug/l	98
43) Isopropyl Acetate	6.318	43	254781	48.482	ug/l	99
44) Trichloroethene	7.104	130	97535	49.565	ug/l	97
45) 1,2-Dichloropropane	7.409	63	98015	51.780	ug/l	98
46) Dibromomethane	7.561	93	73859	53.497	ug/l	97
47) Bromodichloromethane	7.805	83	154348	56.039	ug/l	98
48) Methyl methacrylate	7.677	41	125711	53.813	ug/l	96
49) 1,4-Dioxane	7.640	88	39879	1120.314	ug/l	97
51) 4-Methyl-2-Pentanone	8.555	43	845267	282.567	ug/l	98
52) Toluene	8.701	92	234162	54.026	ug/l	99
53) t-1,3-Dichloropropene	8.957	75	154219	54.340	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	161502	54.957	ug/l	97
55) 1,1,2-Trichloroethane	9.134	97	99208	57.290	ug/l	98
56) Ethyl methacrylate	9.098	69	163222	56.653	ug/l	97
57) 1,3-Dichloropropane	9.293	76	163280	54.171	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.226	63	440205	284.196	ug/l	99
59) 2-Hexanone	9.415	43	635854	285.756	ug/l	98
60) Dibromochloromethane	9.500	129	122547	57.638	ug/l	98
61) 1,2-Dibromoethane	9.591	107	103219	55.033	ug/l	98
64) Tetrachloroethene	9.256	164	79798	47.866	ug/l	99
65) Chlorobenzene	10.061	112	266810	48.974	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.146	131	97334	53.322	ug/l	99
67) Ethyl Benzene	10.177	91	456369	49.885	ug/l	98
68) m/p-Xylenes	10.286	106	350554	101.743	ug/l	100
69) o-Xylene	10.622	106	168410	49.958	ug/l	99
70) Styrene	10.640	104	293232	51.855	ug/l	99
71) Bromoform	10.780	173	85710	50.894	ug/l #	99
73) Isopropylbenzene	10.945	105	442309	50.134	ug/l	99
74) N-amyl acetate	10.823	43	211567	47.759	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.195	83	151805	48.792	ug/l	100
76) 1,2,3-Trichloropropane	11.219	75	143060m	48.855	ug/l	
77) Bromobenzene	11.176	156	112566	49.410	ug/l	99
78) n-propylbenzene	11.286	91	512764	49.428	ug/l	100
79) 2-Chlorotoluene	11.347	91	302281	48.221	ug/l	100
80) 1,3,5-Trimethylbenzene	11.432	105	355875	49.480	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.000	75	50858	49.679	ug/l	95
82) 4-Chlorotoluene	11.432	91	360868	49.076	ug/l	99
83) tert-Butylbenzene	11.695	119	375936	50.535	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	359826	49.584	ug/l	99
85) sec-Butylbenzene	11.871	105	448910	48.825	ug/l	100
86) p-Isopropyltoluene	11.993	119	386697	50.027	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	201826	47.268	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	207771	47.109	ug/l	100
89) n-Butylbenzene	12.316	91	352795	48.652	ug/l	100
90) Hexachloroethane	12.518	117	71560	48.590	ug/l	98
91) 1,2-Dichlorobenzene	12.316	146	195750	47.756	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.920	75	35790	49.500	ug/l	99
93) 1,2,4-Trichlorobenzene	13.566	180	129317	47.476	ug/l	99
94) Hexachlorobutadiene	13.706	225	51751	45.450	ug/l	97
95) Naphthalene	13.755	128	438697	50.094	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	121546	47.974	ug/l	99

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

