

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102125\
 Data File : VX048252.D
 Acq On : 21 Oct 2025 08:43
 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 10/24/2025
 Supervised By : Mahesh Dadoda 10/24/2025

Quant Time: Oct 24 04:21:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	144122	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.738	114	227103	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	197016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	96991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	94847	46.938	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.880%		
35) Dibromofluoromethane	5.361	113	77279	49.844	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.680%		
50) Toluene-d8	8.628	98	261228	48.070	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.140%		
62) 4-Bromofluorobenzene	11.061	95	95248	46.072	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	71433	48.214	ug/l	96
3) Chloromethane	1.300	50	67413	48.746	ug/l	98
4) Vinyl Chloride	1.380	62	64624	50.463	ug/l	99
5) Bromomethane	1.617	94	43146	49.645	ug/l	97
6) Chloroethane	1.697	64	37653	50.036	ug/l	90
7) Trichlorofluoromethane	1.898	101	117120	47.687	ug/l	99
8) Diethyl Ether	2.129	74	32474	46.991	ug/l	90
9) 1,1,2-Trichlorotrifluo...	2.331	101	73938	47.541	ug/l	96
10) Methyl Iodide	2.453	142	89481	45.766	ug/l	100
11) Tert butyl alcohol	2.934	59	34686	172.886	ug/l	98
12) 1,1-Dichloroethene	2.325	96	71745	47.416	ug/l	88
13) Acrolein	2.233	56	55830	272.848	ug/l	99
14) Allyl chloride	2.666	41	114538	45.594	ug/l	97
15) Acrylonitrile	3.050	53	152721	211.101	ug/l	99
16) Acetone	2.367	43	166093	239.598	ug/l	95
17) Carbon Disulfide	2.514	76	207386	43.489	ug/l	100
18) Methyl Acetate	2.696	43	59246	40.924	ug/l	94
19) Methyl tert-butyl Ether	3.099	73	227127	44.001	ug/l	97
20) Methylene Chloride	2.788	84	80164	47.460	ug/l	92
21) trans-1,2-Dichloroethene	3.087	96	77587	46.681	ug/l	97
22) Diisopropyl ether	3.745	45	232684	46.439	ug/l	95
23) Vinyl Acetate	3.708	43	904806	226.065	ug/l	98
24) 1,1-Dichloroethane	3.599	63	137234	45.296	ug/l	99
25) 2-Butanone	4.531	43	187588	213.793	ug/l	100
26) 2,2-Dichloropropane	4.458	77	122921	44.950	ug/l	100
27) cis-1,2-Dichloroethene	4.471	96	87886	45.309	ug/l	98
28) Bromochloromethane	4.879	49	62707	49.917	ug/l	86
29) Tetrahydrofuran	4.983	42	100043	190.379	ug/l	93
30) Chloroform	5.074	83	145033	44.807	ug/l	98
31) Cyclohexane	5.452	56	113590	45.286	ug/l	95
32) 1,1,1-Trichloroethane	5.361	97	132637	44.462	ug/l	98
36) 1,1-Dichloropropene	5.672	75	97868	44.412	ug/l	100
37) Ethyl Acetate	4.690	43	73825	40.418	ug/l	98
38) Carbon Tetrachloride	5.659	117	120960	44.491	ug/l	96
39) Methylcyclohexane	7.360	83	115804	44.497	ug/l	95
40) Benzene	6.013	78	290616	45.424	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	40965	42.707	ug/l	96
42) 1,2-Dichloroethane	6.062	62	105747	44.791	ug/l	99
43) Isopropyl Acetate	6.318	43	122589	40.859	ug/l	95
44) Trichloroethene	7.104	130	76506	45.286	ug/l	92
45) 1,2-Dichloropropane	7.409	63	69342	45.586	ug/l	100
46) Dibromomethane	7.561	93	52913	44.649	ug/l	94
47) Bromodichloromethane	7.799	83	115823	45.265	ug/l	98
48) Methyl methacrylate	7.671	41	62073	41.000	ug/l	94
49) 1,4-Dioxane	7.641	88	15658	782.834	ug/l	92
51) 4-Methyl-2-Pentanone	8.555	43	343412	198.518	ug/l	95
52) Toluene	8.701	92	180638	44.443	ug/l	100
53) t-1,3-Dichloropropene	8.957	75	111868	45.367	ug/l	100
54) cis-1,3-Dichloropropene	8.348	75	120247	45.199	ug/l	94
55) 1,1,2-Trichloroethane	9.134	97	66141	43.758	ug/l	99
56) Ethyl methacrylate	9.098	69	94033	42.533	ug/l	94
57) 1,3-Dichloropropane	9.287	76	112894	43.726	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.220	63	253467	213.469	ug/l	95
59) 2-Hexanone	9.409	43	257988	213.881	ug/l	95
60) Dibromochloromethane	9.500	129	88005	43.319	ug/l	99
61) 1,2-Dibromoethane	9.592	107	69657	43.228	ug/l	98
64) Tetrachloroethene	9.256	164	64080	43.569	ug/l	98
65) Chlorobenzene	10.061	112	201952	45.568	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.140	131	73602	45.215	ug/l	98
67) Ethyl Benzene	10.177	91	342357	45.371	ug/l	98
68) m/p-Xylenes	10.280	106	262482	93.624	ug/l	98
69) o-Xylene	10.622	106	123116	45.486	ug/l	98
70) Styrene	10.634	104	218038	47.309	ug/l	100
71) Bromoform	10.780	173	55833	42.915	ug/l #	99
73) Isopropylbenzene	10.945	105	327700	46.258	ug/l	100
74) N-amyl acetate	10.823	43	104260	41.490	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.195	83	83168	42.990	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	69389m	44.116	ug/l	
77) Bromobenzene	11.177	156	80981	45.589	ug/l	94
78) n-propylbenzene	11.286	91	383372	46.739	ug/l	98
79) 2-Chlorotoluene	11.347	91	226051	45.456	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	270132	46.077	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.000	75	27826	43.041	ug/l	98
82) 4-Chlorotoluene	11.433	91	271398	45.973	ug/l	98
83) tert-Butylbenzene	11.695	119	269543	44.748	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	270636	46.257	ug/l	99
85) sec-Butylbenzene	11.872	105	324459	44.772	ug/l	99
86) p-Isopropyltoluene	11.987	119	278806	44.510	ug/l	99
87) 1,3-Dichlorobenzene	11.951	146	150857	45.050	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	150468	43.374	ug/l	99
89) n-Butylbenzene	12.311	91	246692	43.269	ug/l	99
90) Hexachloroethane	12.518	117	53716	43.425	ug/l	96
91) 1,2-Dichlorobenzene	12.317	146	137387	43.698	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15819	40.283	ug/l	100
93) 1,2,4-Trichlorobenzene	13.566	180	85831	40.369	ug/l	99
94) Hexachlorobutadiene	13.707	225	32869	41.267	ug/l	99
95) Naphthalene	13.755	128	233946	41.531	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	80863	41.446	ug/l	97

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

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