

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102225\
 Data File : VX048280.D
 Acq On : 22 Oct 2025 08:37
 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 05:49:00 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	112883	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.739	114	171616	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	151325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.000	152	76595	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.934	65	76366	48.250	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.500%		
35) Dibromofluoromethane	5.367	113	60534	51.667	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.340%		
50) Toluene-d8	8.628	98	203851	49.640	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.280%		
62) 4-Bromofluorobenzene	11.061	95	75540	48.352	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.700%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.172	85	65265	56.241	ug/l	99
3) Chloromethane	1.300	50	49425	45.630	ug/l	99
4) Vinyl Chloride	1.380	62	47382	47.239	ug/l	100
5) Bromomethane	1.611	94	33539	49.271	ug/l	97
6) Chloroethane	1.691	64	28903	49.038	ug/l	95
7) Trichlorofluoromethane	1.892	101	107357	55.808	ug/l	97
8) Diethyl Ether	2.136	74	26023	48.077	ug/l	83
9) 1,1,2-Trichlorotrifluo...	2.331	101	68490	56.225	ug/l	96
10) Methyl Iodide	2.453	142	87087	56.868	ug/l	98
11) Tert butyl alcohol	2.940	59	35785	227.724	ug/l	100
12) 1,1-Dichloroethene	2.319	96	62744	52.943	ug/l	94
13) Acrolein	2.233	56	48081	300.005	ug/l	99
14) Allyl chloride	2.660	41	94077	47.813	ug/l	91
15) Acrylonitrile	3.050	53	131715	232.450	ug/l	98
16) Acetone	2.373	43	154383	284.337	ug/l	99
17) Carbon Disulfide	2.514	76	177992	47.654	ug/l	99
18) Methyl Acetate	2.697	43	51668	45.566	ug/l	93
19) Methyl tert-butyl Ether	3.105	73	209570	51.835	ug/l	93
20) Methylene Chloride	2.788	84	68678	51.912	ug/l	88
21) trans-1,2-Dichloroethene	3.087	96	68104	52.315	ug/l	99
22) Diisopropyl ether	3.745	45	196556	50.085	ug/l #	96
23) Vinyl Acetate	3.709	43	777072	247.880	ug/l	96
24) 1,1-Dichloroethane	3.599	63	120039	50.586	ug/l	100
25) 2-Butanone	4.532	43	167713	244.037	ug/l	97
26) 2,2-Dichloropropane	4.458	77	115554	53.950	ug/l	98
27) cis-1,2-Dichloroethene	4.471	96	77266	50.857	ug/l	100
28) Bromochloromethane	4.879	49	50491	51.316	ug/l #	80
29) Tetrahydrofuran	4.983	42	90001	218.666	ug/l	91
30) Chloroform	5.074	83	130715	51.559	ug/l	94
31) Cyclohexane	5.452	56	98916	50.349	ug/l	86
32) 1,1,1-Trichloroethane	5.361	97	128292	54.907	ug/l	97
36) 1,1-Dichloropropene	5.672	75	89311	53.632	ug/l	99
37) Ethyl Acetate	4.696	43	64504	46.733	ug/l	95
38) Carbon Tetrachloride	5.659	117	117550	57.216	ug/l	96
39) Methylcyclohexane	7.360	83	108726	55.285	ug/l	93
40) Benzene	6.013	78	253259	52.383	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.897	41	35771	49.349	ug/l	93
42) 1,2-Dichloroethane	6.068	62	100501	56.333	ug/l	100
43) Isopropyl Acetate	6.312	43	108948	48.053	ug/l #	95
44) Trichloroethene	7.104	130	69227	54.227	ug/l	95
45) 1,2-Dichloropropane	7.409	63	59904	52.114	ug/l	97
46) Dibromomethane	7.562	93	47300	52.817	ug/l	93
47) Bromodichloromethane	7.799	83	106527	55.092	ug/l	96
48) Methyl methacrylate	7.671	41	56901	49.735	ug/l	94
49) 1,4-Dioxane	7.641	88	14380	951.387	ug/l	92
51) 4-Methyl-2-Pentanone	8.555	43	310242	237.329	ug/l	94
52) Toluene	8.702	92	163729	53.307	ug/l	99
53) t-1,3-Dichloropropene	8.958	75	101924	54.699	ug/l	99
54) cis-1,3-Dichloropropene	8.348	75	107258	53.352	ug/l	94
55) 1,1,2-Trichloroethane	9.134	97	59586	52.167	ug/l	98
56) Ethyl methacrylate	9.098	69	84986	50.869	ug/l	95
57) 1,3-Dichloropropane	9.287	76	101491	52.019	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.220	63	229383	255.311	ug/l	94
59) 2-Hexanone	9.409	43	240369	263.703	ug/l	95
60) Dibromochloromethane	9.500	129	80645	52.530	ug/l	98
61) 1,2-Dibromoethane	9.592	107	64007	52.565	ug/l	96
64) Tetrachloroethene	9.256	164	60402	53.469	ug/l	95
65) Chlorobenzene	10.061	112	182674	53.663	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.146	131	68462	54.756	ug/l	98
67) Ethyl Benzene	10.177	91	314516	54.267	ug/l	96
68) m/p-Xylenes	10.281	106	236784	109.959	ug/l	98
69) o-Xylene	10.622	106	113014	54.361	ug/l	100
70) Styrene	10.634	104	197941	55.916	ug/l	99
71) Bromoform	10.780	173	53116	53.153	ug/l #	100
73) Isopropylbenzene	10.945	105	304903	54.500	ug/l	100
74) N-amyl acetate	10.823	43	96095	48.424	ug/l	94
75) 1,1,2,2-Tetrachloroethane	11.195	83	75307	49.292	ug/l	98
76) 1,2,3-Trichloropropane	11.219	75	63201m	50.882	ug/l	
77) Bromobenzene	11.177	156	75059	53.507	ug/l	93
78) n-propylbenzene	11.286	91	356264	55.000	ug/l	98
79) 2-Chlorotoluene	11.347	91	212434	54.093	ug/l	100
80) 1,3,5-Trimethylbenzene	11.433	105	253794	54.818	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.000	75	25680	50.299	ug/l	96
82) 4-Chlorotoluene	11.433	91	250734	53.783	ug/l	99
83) tert-Butylbenzene	11.695	119	254160	53.430	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	252256	54.596	ug/l	99
85) sec-Butylbenzene	11.872	105	309120	54.013	ug/l	100
86) p-Isopropyltoluene	11.988	119	269139	54.408	ug/l	98
87) 1,3-Dichlorobenzene	11.951	146	137722	52.079	ug/l	99
88) 1,4-Dichlorobenzene	12.018	146	139405	50.886	ug/l	99
89) n-Butylbenzene	12.311	91	235632	52.334	ug/l	99
90) Hexachloroethane	12.518	117	49234	50.400	ug/l	92
91) 1,2-Dichlorobenzene	12.317	146	129743	52.256	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.920	75	15838	51.071	ug/l	96
93) 1,2,4-Trichlorobenzene	13.567	180	85647	51.009	ug/l	97
94) Hexachlorobutadiene	13.707	225	34001	54.034	ug/l	99
95) Naphthalene	13.756	128	226945	51.017	ug/l	100
96) 1,2,3-Trichlorobenzene	13.938	180	78971	51.255	ug/l	98

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

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