

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072525\
 Data File : VX047128.D
 Acq On : 25 Jul 2025 09:40
 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 07/28/2025
 Supervised By : Mahesh Dadoda 07/28/2025

Quant Time: Jul 26 00:18:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	277253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	466924	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	414717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	203517	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171842	49.756	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.520%		
35) Dibromofluoromethane	5.391	113	144820	50.233	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.460%		
50) Toluene-d8	8.647	98	438009	46.914	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.820%		
62) 4-Bromofluorobenzene	11.079	95	199384	49.556	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.120%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.185	85	185747	50.439	ug/l	100
3) Chloromethane	1.313	50	159054	43.663	ug/l	99
4) Vinyl Chloride	1.392	62	194676	49.715	ug/l	100
5) Bromomethane	1.630	94	100228	47.119	ug/l	96
6) Chloroethane	1.703	64	114720	44.606	ug/l	98
7) Trichlorofluoromethane	1.904	101	284266	48.684	ug/l	97
8) Diethyl Ether	2.142	74	101763	49.429	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	170237	48.392	ug/l	100
10) Methyl Iodide	2.471	142	248672	69.359	ug/l	98
11) Tert butyl alcohol	2.953	59	95233	235.275	ug/l	99
12) 1,1-Dichloroethene	2.337	96	166143	47.684	ug/l	99
13) Acrolein	2.246	56	227322	305.687	ug/l	100
14) Allyl chloride	2.678	41	292421	46.428	ug/l	96
15) Acrylonitrile	3.075	53	406903	247.033	ug/l	99
16) Acetone	2.386	43	367199	265.402	ug/l	99
17) Carbon Disulfide	2.526	76	459579	45.594	ug/l	100
18) Methyl Acetate	2.709	43	195014	53.039	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	541293	51.046	ug/l	99
20) Methylene Chloride	2.800	84	178698	46.948	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	168396	47.229	ug/l	94
22) Diisopropyl ether	3.764	45	610312	50.401	ug/l	100
23) Vinyl Acetate	3.727	43	2538784	261.398	ug/l	100
24) 1,1-Dichloroethane	3.623	63	324881	48.248	ug/l	99
25) 2-Butanone	4.556	43	498239	247.317	ug/l	98
26) 2,2-Dichloropropane	4.483	77	261528	50.174	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	202326	47.920	ug/l	100
28) Bromochloromethane	4.904	49	164207	53.006	ug/l	99
29) Tetrahydrofuran	5.013	42	310794	239.103	ug/l	99
30) Chloroform	5.099	83	327370	47.761	ug/l	97
31) Cyclohexane	5.477	56	294352	45.590	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	286842	48.180	ug/l	99
36) 1,1-Dichloropropene	5.696	75	223629	45.506	ug/l	99
37) Ethyl Acetate	4.715	43	229418	50.664	ug/l	99
38) Carbon Tetrachloride	5.684	117	251416	47.934	ug/l	99
39) Methylcyclohexane	7.385	83	289235	47.140	ug/l	98
40) Benzene	6.038	78	678414	47.702	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	112540	47.532	ug/l	96
42) 1,2-Dichloroethane	6.092	62	250375	49.978	ug/l	99
43) Isopropyl Acetate	6.336	43	362759	51.387	ug/l	99
44) Trichloroethene	7.129	130	167301	45.874	ug/l	95
45) 1,2-Dichloropropane	7.428	63	173328	48.661	ug/l	95
46) Dibromomethane	7.580	93	125088	50.078	ug/l	100
47) Bromodichloromethane	7.818	83	264392	49.729	ug/l	97
48) Methyl methacrylate	7.690	41	187745	48.819	ug/l	100
49) 1,4-Dioxane	7.714	88	44199	1010.493	ug/l #	82
51) 4-Methyl-2-Pentanone	8.574	43	1047128	249.553	ug/l	99
52) Toluene	8.720	92	419410	47.962	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	255741	50.938	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	273635	49.798	ug/l	100
55) 1,1,2-Trichloroethane	9.147	97	161900	49.368	ug/l	98
56) Ethyl methacrylate	9.116	69	255803	52.689	ug/l	99
57) 1,3-Dichloropropane	9.305	76	279567	49.050	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	646045	239.130	ug/l	99
59) 2-Hexanone	9.427	43	719753	259.630	ug/l	100
60) Dibromochloromethane	9.519	129	194521	50.574	ug/l	99
61) 1,2-Dibromoethane	9.610	107	166921	48.677	ug/l	100
64) Tetrachloroethene	9.275	164	135617	45.362	ug/l	98
65) Chlorobenzene	10.073	112	459322	47.277	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	160016	48.920	ug/l	99
67) Ethyl Benzene	10.189	91	817217	48.108	ug/l	98
68) m/p-Xylenes	10.299	106	606501	95.408	ug/l	100
69) o-Xylene	10.640	106	290604	48.054	ug/l	98
70) Styrene	10.653	104	504245	48.626	ug/l	100
71) Bromoform	10.799	173	125861	50.654	ug/l	100
73) Isopropylbenzene	10.957	105	770632	47.996	ug/l	99
74) N-amyl acetate	10.842	43	319490	49.316	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	228093	49.732	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	184632m	49.013	ug/l	
77) Bromobenzene	11.195	156	182804	47.467	ug/l	98
78) n-propylbenzene	11.299	91	926920	48.310	ug/l	99
79) 2-Chlorotoluene	11.360	91	543121	47.354	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	635767	47.929	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	49125	33.598	ug/l	98
82) 4-Chlorotoluene	11.451	91	642720	48.010	ug/l	100
83) tert-Butylbenzene	11.713	119	645326	48.470	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	638849	48.285	ug/l	99
85) sec-Butylbenzene	11.890	105	802114	48.218	ug/l	100
86) p-Isopropyltoluene	12.006	119	665469	48.240	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	345361	47.197	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	342581	46.210	ug/l	99
89) n-Butylbenzene	12.329	91	634926	49.078	ug/l	99
90) Hexachloroethane	12.536	117	120621	48.876	ug/l	100
91) 1,2-Dichlorobenzene	12.329	146	330194	47.213	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	45317	51.475	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	225510	48.804	ug/l	100
94) Hexachlorobutadiene	13.719	225	81630	51.945	ug/l	98
95) Naphthalene	13.774	128	685567	50.610	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	212971	47.842	ug/l	97

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

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