

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
 Data File : VX047126.D
 Acq On : 24 Jul 2025 17:19
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/25/2025
 Supervised By : Mahesh Dadoda 07/25/2025

Quant Time: Jul 25 01:26:55 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	5.562	168	275139	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	464036	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	412036	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	200694	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	162363	47.373	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.740%		
35) Dibromofluoromethane	5.397	113	138681	48.403	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.800%		
50) Toluene-d8	8.653	98	425088	45.814	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.620%#		
62) 4-Bromofluorobenzene	11.079	95	189663	47.433	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.860%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	181891	49.771	ug/l	98
3) Chloromethane	1.313	50	160065	44.278	ug/l	98
4) Vinyl Chloride	1.392	62	191816	49.361	ug/l	97
5) Bromomethane	1.630	94	83143	39.387	ug/l	93
6) Chloroethane	1.703	64	113241	44.369	ug/l	97
7) Trichlorofluoromethane	1.904	101	282549	48.761	ug/l	97
8) Diethyl Ether	2.148	74	99917	48.905	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	163947	46.962	ug/l	99
10) Methyl Iodide	2.471	142	238240	66.960	ug/l	97
11) Tert butyl alcohol	2.959	59	102644	256.456	ug/l	99
12) 1,1-Dichloroethene	2.337	96	161202	46.621	ug/l	98
13) Acrolein	2.252	56	230692	312.602	ug/l	99
14) Allyl chloride	2.678	41	324950	51.990	ug/l	97
15) Acrylonitrile	3.087	53	380184	232.585	ug/l	96
16) Acetone	2.392	43	319740	232.875	ug/l	98
17) Carbon Disulfide	2.532	76	418189	41.806	ug/l	99
18) Methyl Acetate	2.715	43	194429	53.287	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	528563	50.228	ug/l	100
20) Methylene Chloride	2.806	84	173923	46.044	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	166034	46.925	ug/l	94
22) Diisopropyl ether	3.770	45	586168	48.779	ug/l	99
23) Vinyl Acetate	3.733	43	2472843	256.565	ug/l	100
24) 1,1-Dichloroethane	3.623	63	317768	47.554	ug/l	100
25) 2-Butanone	4.568	43	474683	237.434	ug/l	99
26) 2,2-Dichloropropane	4.489	77	245246	47.412	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	195238	46.597	ug/l	99
28) Bromochloromethane	4.910	49	148442	48.286	ug/l	100
29) Tetrahydrofuran	5.032	42	307522	238.403	ug/l	100
30) Chloroform	5.105	83	319070	46.908	ug/l	94
31) Cyclohexane	5.483	56	288399	45.012	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	283650	48.010	ug/l	99
36) 1,1-Dichloropropene	5.708	75	224419	45.951	ug/l	98
37) Ethyl Acetate	4.721	43	230717	51.268	ug/l	99
38) Carbon Tetrachloride	5.690	117	244019	46.813	ug/l	99
39) Methylcyclohexane	7.385	83	276142	45.286	ug/l	98
40) Benzene	6.050	78	663650	46.955	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	102200	43.434	ug/l	92
42) 1,2-Dichloroethane	6.099	62	240412	48.288	ug/l	99
43) Isopropyl Acetate	6.348	43	361244	51.491	ug/l	99
44) Trichloroethene	7.129	130	164538	45.398	ug/l	95
45) 1,2-Dichloropropane	7.434	63	169345	47.839	ug/l	96
46) Dibromomethane	7.580	93	118832	47.870	ug/l	98
47) Bromodichloromethane	7.824	83	254423	48.152	ug/l	97
48) Methyl methacrylate	7.696	41	186321	48.750	ug/l	99
49) 1,4-Dioxane	7.732	88	44145	1015.540	ug/l #	62
51) 4-Methyl-2-Pentanone	8.574	43	1037112	248.705	ug/l	99
52) Toluene	8.720	92	407833	46.928	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	243301	48.762	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	263199	48.197	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	155942	47.847	ug/l	98
56) Ethyl methacrylate	9.116	69	247833	51.365	ug/l	99
57) 1,3-Dichloropropane	9.305	76	267649	47.251	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	478736	178.304	ug/l	100
59) 2-Hexanone	9.433	43	719744	261.243	ug/l	99
60) Dibromochloromethane	9.519	129	186383	48.760	ug/l	100
61) 1,2-Dibromoethane	9.610	107	162248	47.609	ug/l	99
64) Tetrachloroethene	9.275	164	134811	45.386	ug/l	97
65) Chlorobenzene	10.080	112	444318	46.031	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	155259	47.774	ug/l	98
67) Ethyl Benzene	10.195	91	797741	47.267	ug/l	99
68) m/p-Xylenes	10.299	106	590897	93.559	ug/l	99
69) o-Xylene	10.640	106	284086	47.282	ug/l	99
70) Styrene	10.653	104	492170	47.770	ug/l	99
71) Bromoform	10.799	173	120154	48.672	ug/l #	99
73) Isopropylbenzene	10.957	105	761275	48.080	ug/l	100
74) N-amyl acetate	10.842	43	317169	49.646	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	222203	49.130	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	179875m	48.422	ug/l	
77) Bromobenzene	11.195	156	178158	46.912	ug/l	99
78) n-propylbenzene	11.305	91	905562	47.861	ug/l	100
79) 2-Chlorotoluene	11.360	91	531666	47.007	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	623628	47.675	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	39460	27.368	ug/l	100
82) 4-Chlorotoluene	11.451	91	617681	46.788	ug/l	99
83) tert-Butylbenzene	11.713	119	634105	48.297	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	624993	47.902	ug/l	99
85) sec-Butylbenzene	11.890	105	773670	47.162	ug/l	100
86) p-Isopropyltoluene	12.006	119	649503	47.744	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	332395	46.064	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	332012	45.414	ug/l	99
89) n-Butylbenzene	12.329	91	613843	48.116	ug/l	99
90) Hexachloroethane	12.536	117	115333	47.391	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	317551	46.044	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	46584	53.659	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	214694	47.117	ug/l	100
94) Hexachlorobutadiene	13.719	225	75205	48.530	ug/l	99
95) Naphthalene	13.774	128	686023	51.356	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	207185	47.197	ug/l	98

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

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