

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071825\
 Data File : VX047052.D
 Acq On : 18 Jul 2025 16:03
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 19 04:26:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/21/2025
 Supervised By : Mahesh Dadoda 07/21/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	343936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	587400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	514741	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	250571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	245507	54.032	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.060%			
35) Dibromofluoromethane	5.397	113	192043	48.164	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.320%			
50) Toluene-d8	8.653	98	686892	48.827	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.660%			
62) 4-Bromofluorobenzene	11.079	95	261891	48.982	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.960%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	150193	45.662	ug/l	98
3) Chloromethane	1.306	50	147193	40.958	ug/l	97
4) Vinyl Chloride	1.386	62	171915	43.929	ug/l	92
5) Bromomethane	1.623	94	81093	32.250	ug/l	98
6) Chloroethane	1.703	64	115886	44.845	ug/l	95
7) Trichlorofluoromethane	1.904	101	289866	47.902	ug/l	99
8) Diethyl Ether	2.148	74	108269	50.277	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	180836	46.899	ug/l	99
10) Methyl Iodide	2.471	142	151577	36.083	ug/l	96
11) Tert butyl alcohol	2.959	59	104040	349.126	ug/l	100
12) 1,1-Dichloroethene	2.337	96	168392	45.151	ug/l	99
13) Acrolein	2.251	56	66074	201.212	ug/l	96
14) Allyl chloride	2.678	41	326099	49.112	ug/l	99
15) Acrylonitrile	3.074	53	488484	283.518	ug/l	99
16) Acetone	2.386	43	408133	289.173	ug/l	96
17) Carbon Disulfide	2.532	76	355589	36.356	ug/l	99
18) Methyl Acetate	2.715	43	296006	79.571	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	580189	55.089	ug/l	99
20) Methylene Chloride	2.806	84	199021	47.687	ug/l	99
21) trans-1,2-Dichloroethene	3.111	96	175137	45.892	ug/l	99
22) Diisopropyl ether	3.769	45	675020	52.621	ug/l	95
23) Vinyl Acetate	3.733	43	2536328	263.912	ug/l	98
24) 1,1-Dichloroethane	3.623	63	358027	48.937	ug/l	100
25) 2-Butanone	4.562	43	600349	318.819	ug/l	98
26) 2,2-Dichloropropane	4.489	77	258141	47.411	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	222866	47.831	ug/l	97
28) Bromochloromethane	4.909	49	184391	51.068	ug/l	96
29) Tetrahydrofuran	5.013	42	376764	313.874	ug/l	98
30) Chloroform	5.105	83	371035	49.642	ug/l	98
31) Cyclohexane	5.483	56	288603	44.435	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	311490	49.882	ug/l	99
36) 1,1-Dichloropropene	5.702	75	242214	45.024	ug/l	99
37) Ethyl Acetate	4.727	43	237851	51.910	ug/l	98
38) Carbon Tetrachloride	5.690	117	265600	46.699	ug/l	98
39) Methylcyclohexane	7.385	83	286457	42.567	ug/l	99
40) Benzene	6.049	78	732536	45.019	ug/l	99

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41) Methacrylonitrile	4.928	41	146031	59.745	ug/l	96
42) 1,2-Dichloroethane	6.098	62	270729	48.997	ug/l	98
43) Isopropyl Acetate	6.348	43	402635	57.370	ug/l	99
44) Trichloroethene	7.129	130	185129	43.706	ug/l	97
45) 1,2-Dichloropropane	7.433	63	193717	47.121	ug/l	98
46) Dibromomethane	7.586	93	138460	48.609	ug/l	97
47) Bromodichloromethane	7.824	83	293286	48.221	ug/l	99
48) Methyl methacrylate	7.696	41	212802	58.723	ug/l	97
49) 1,4-Dioxane	7.659	88	48640	1158.391	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	1266776	305.839	ug/l	100
52) Toluene	8.720	92	465789	46.194	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	273131	50.319	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	300414	48.488	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	184308	49.074	ug/l	98
56) Ethyl methacrylate	9.116	69	286729	55.159	ug/l	95
57) 1,3-Dichloropropane	9.311	76	313394	48.460	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	747740	255.295	ug/l	99
59) 2-Hexanone	9.427	43	876141	318.903	ug/l	98
60) Dibromochloromethane	9.518	129	213838	47.576	ug/l	100
61) 1,2-Dibromoethane	9.610	107	185566	49.197	ug/l	99
64) Tetrachloroethene	9.275	164	152618	44.532	ug/l	97
65) Chlorobenzene	10.079	112	520975	46.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	181220	48.440	ug/l	100
67) Ethyl Benzene	10.195	91	915295	48.025	ug/l	99
68) m/p-Xylenes	10.299	106	679542	94.622	ug/l	98
69) o-Xylene	10.640	106	332027	47.862	ug/l	99
70) Styrene	10.652	104	584579	49.253	ug/l	99
71) Bromoform	10.799	173	138906	49.936	ug/l	99
73) Isopropylbenzene	10.963	105	891185	50.594	ug/l	99
74) N-amyl acetate	10.841	43	369947	61.806	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	261826	54.057	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	213183m	55.062	ug/l	
77) Bromobenzene	11.195	156	210100	47.886	ug/l	95
78) n-propylbenzene	11.305	91	1055639	49.702	ug/l	100
79) 2-Chlorotoluene	11.360	91	624023	49.758	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	727333	50.818	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	76805	53.234	ug/l	96
82) 4-Chlorotoluene	11.451	91	731415	50.538	ug/l	99
83) tert-Butylbenzene	11.713	119	737198	49.870	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	735160	50.818	ug/l	94
85) sec-Butylbenzene	11.890	105	927194	49.748	ug/l	99
86) p-Isopropyltoluene	12.006	119	767346	49.164	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	398248	48.534	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	398022	46.607	ug/l	99
89) n-Butylbenzene	12.329	91	716621	48.865	ug/l	99
90) Hexachloroethane	12.536	117	134745	48.700	ug/l	95
91) 1,2-Dichlorobenzene	12.335	146	378318	47.577	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.938	75	51888	61.250	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	254513	47.114	ug/l	99
94) Hexachlorobutadiene	13.725	225	83691	41.081	ug/l	98
95) Naphthalene	13.774	128	792828	55.697	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	243801	47.765	ug/l	97

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

