

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072825\
 Data File : VX047152.D
 Acq On : 28 Jul 2025 09:23
 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 07/29/2025
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 29 02:09:41 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	347966	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	583631	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	509126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	238942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	202916	46.814	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.620%		
35) Dibromofluoromethane	5.391	113	177067	49.137	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.280%		
50) Toluene-d8	8.647	98	526682	45.131	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.260%#		
62) 4-Bromofluorobenzene	11.079	95	234836	46.695	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.400%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	234453	50.727	ug/l	98
3) Chloromethane	1.313	50	192053	42.008	ug/l	97
4) Vinyl Chloride	1.392	62	249970	50.863	ug/l	99
5) Bromomethane	1.630	94	124616	46.679	ug/l	98
6) Chloroethane	1.703	64	140895	43.650	ug/l	97
7) Trichlorofluoromethane	1.904	101	358211	48.881	ug/l	96
8) Diethyl Ether	2.142	74	123686	47.869	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	213840	48.434	ug/l	100
10) Methyl Iodide	2.471	142	297054	66.016	ug/l	99
11) Tert butyl alcohol	2.953	59	104035	203.399	ug/l	99
12) 1,1-Dichloroethene	2.337	96	207774	47.514	ug/l	98
13) Acrolein	2.246	56	229581	245.986	ug/l	99
14) Allyl chloride	2.678	41	358255	45.322	ug/l	95
15) Acrylonitrile	3.075	53	452733	219.000	ug/l	100
16) Acetone	2.386	43	492008	283.344	ug/l	100
17) Carbon Disulfide	2.526	76	563714	44.560	ug/l	99
18) Methyl Acetate	2.709	43	225072	48.775	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	643560	48.357	ug/l	98
20) Methylene Chloride	2.800	84	218192	45.675	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	208630	46.623	ug/l	99
22) Diisopropyl ether	3.764	45	731167	48.111	ug/l	97
23) Vinyl Acetate	3.727	43	2918062	239.393	ug/l	100
24) 1,1-Dichloroethane	3.617	63	397582	47.046	ug/l	100
25) 2-Butanone	4.556	43	567068	224.280	ug/l	99
26) 2,2-Dichloropropane	4.483	77	330199	50.475	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	243684	45.987	ug/l	99
28) Bromochloromethane	4.904	49	182498	46.939	ug/l	99
29) Tetrahydrofuran	5.007	42	334587	205.097	ug/l	98
30) Chloroform	5.093	83	393579	45.752	ug/l	100
31) Cyclohexane	5.477	56	357107	44.070	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	350193	46.868	ug/l	99
36) 1,1-Dichloropropene	5.702	75	266657	43.412	ug/l	99
37) Ethyl Acetate	4.715	43	249047	44.001	ug/l	100
38) Carbon Tetrachloride	5.684	117	298960	45.601	ug/l	99
39) Methylcyclohexane	7.385	83	345212	45.012	ug/l	98
40) Benzene	6.044	78	801930	45.112	ug/l	99

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41) Methacrylonitrile	4.922	41	129571m	43.782	ug/l	
42) 1,2-Dichloroethane	6.086	62	285625	45.613	ug/l	98
43) Isopropyl Acetate	6.336	43	409240	46.379	ug/l	99
44) Trichloroethene	7.129	130	200167	43.911	ug/l	97
45) 1,2-Dichloropropane	7.428	63	202882	45.568	ug/l	98
46) Dibromomethane	7.580	93	144317	46.223	ug/l	99
47) Bromodichloromethane	7.818	83	309460	46.566	ug/l	97
48) Methyl methacrylate	7.690	41	209392	43.560	ug/l	99
49) 1,4-Dioxane	7.720	88	46784	855.709	ug/l #	91
51) 4-Methyl-2-Pentanone	8.568	43	1117833	213.132	ug/l	100
52) Toluene	8.714	92	490903	44.912	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	299012	47.648	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	323069	47.037	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	183401	44.741	ug/l	98
56) Ethyl methacrylate	9.116	69	286972	47.289	ug/l	100
57) 1,3-Dichloropropane	9.305	76	314556	44.153	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	725686	214.896	ug/l	100
59) 2-Hexanone	9.427	43	772694	222.991	ug/l	99
60) Dibromochloromethane	9.519	129	223434	46.475	ug/l	99
61) 1,2-Dibromoethane	9.604	107	184928	43.145	ug/l	98
64) Tetrachloroethene	9.269	164	161651	44.044	ug/l	93
65) Chlorobenzene	10.073	112	534465	44.811	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	186922	46.549	ug/l	99
67) Ethyl Benzene	10.189	91	952979	45.698	ug/l	98
68) m/p-Xylenes	10.299	106	707744	90.690	ug/l	100
69) o-Xylene	10.640	106	339720	45.759	ug/l	99
70) Styrene	10.653	104	593341	46.608	ug/l	99
71) Bromoform	10.799	173	141410	46.358	ug/l	100
73) Isopropylbenzene	10.957	105	902188	47.859	ug/l	100
74) N-amyl acetate	10.842	43	348863	45.866	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	243932	45.301	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	199438m	45.094	ug/l	
77) Bromobenzene	11.195	156	213486	47.216	ug/l	99
78) n-propylbenzene	11.299	91	1065137	47.283	ug/l	100
79) 2-Chlorotoluene	11.360	91	628663	46.686	ug/l	98
80) 1,3,5-Trimethylbenzene	11.445	105	735251	47.211	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	56166	32.719	ug/l	99
82) 4-Chlorotoluene	11.451	91	742930	47.268	ug/l	99
83) tert-Butylbenzene	11.713	119	751394	48.070	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	735683	47.360	ug/l	99
85) sec-Butylbenzene	11.890	105	913056	46.750	ug/l	100
86) p-Isopropyltoluene	12.006	119	769018	47.481	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	394408	45.908	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	396440	45.547	ug/l	97
89) n-Butylbenzene	12.329	91	717648	47.248	ug/l	99
90) Hexachloroethane	12.536	117	144057	49.718	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	370762	45.154	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	48536	46.958	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	249966	46.076	ug/l	99
94) Hexachlorobutadiene	13.719	225	84859	45.994	ug/l	98
95) Naphthalene	13.774	128	736500	46.309	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	238122	45.561	ug/l	99

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

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