

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
 Data File : VX047284.D
 Acq On : 12 Aug 2025 09:53
 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 08/13/2025
 Supervised By : Mahesh Dadoda 08/14/2025

Quant Time: Aug 13 01:14:58 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	222209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	370615	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	329997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	165820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	129559	46.806	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.620%		
35) Dibromofluoromethane	5.385	113	117517	51.356	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.720%		
50) Toluene-d8	8.647	98	328825	44.372	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	88.740%#		
62) 4-Bromofluorobenzene	11.079	95	158071	49.497	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	155590	52.715	ug/l	100
3) Chloromethane	1.307	50	137480	47.089	ug/l	99
4) Vinyl Chloride	1.392	62	157861	50.300	ug/l	99
5) Bromomethane	1.624	94	93907	55.083	ug/l	93
6) Chloroethane	1.703	64	93985	45.596	ug/l	98
7) Trichlorofluoromethane	1.904	101	235450	50.312	ug/l	100
8) Diethyl Ether	2.142	74	84117	50.979	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	139422	49.450	ug/l	99
10) Methyl Iodide	2.465	142	233157	81.141	ug/l	98
11) Tert butyl alcohol	2.959	59	83732	259.145	ug/l	96
12) 1,1-Dichloroethene	2.331	96	136776	48.979	ug/l	98
13) Acrolein	2.246	56	206229	346.019	ug/l	98
14) Allyl chloride	2.678	41	244509	48.438	ug/l	98
15) Acrylonitrile	3.075	53	342687	259.583	ug/l	99
16) Acetone	2.386	43	290870	262.311	ug/l	99
17) Carbon Disulfide	2.526	76	386866	47.887	ug/l	99
18) Methyl Acetate	2.709	43	170441	57.839	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	450282	52.982	ug/l	100
20) Methylene Chloride	2.800	84	150032	49.181	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	143173	50.102	ug/l	97
22) Diisopropyl ether	3.764	45	493086	50.807	ug/l	93
23) Vinyl Acetate	3.727	43	2086840	268.090	ug/l	99
24) 1,1-Dichloroethane	3.617	63	262729	48.683	ug/l	99
25) 2-Butanone	4.562	43	386326	239.268	ug/l	99
26) 2,2-Dichloropropane	4.483	77	212515	50.870	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	166093	49.083	ug/l	99
28) Bromochloromethane	4.904	49	126965	51.137	ug/l	99
29) Tetrahydrofuran	5.019	42	247390	237.470	ug/l	99
30) Chloroform	5.099	83	270514	49.242	ug/l	99
31) Cyclohexane	5.477	56	241451	46.661	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	235167	49.285	ug/l	99
36) 1,1-Dichloropropene	5.696	75	186422	47.793	ug/l	100
37) Ethyl Acetate	4.715	43	207345	57.688	ug/l	96
38) Carbon Tetrachloride	5.678	117	204829	49.200	ug/l	98
39) Methylcyclohexane	7.379	83	232810	47.804	ug/l	98
40) Benzene	6.044	78	561481	49.740	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	86875	46.227	ug/l	91
42) 1,2-Dichloroethane	6.092	62	205046	51.566	ug/l	99
43) Isopropyl Acetate	6.342	43	307837	54.939	ug/l	99
44) Trichloroethene	7.129	130	142617	49.268	ug/l	98
45) 1,2-Dichloropropane	7.428	63	143089	50.611	ug/l	98
46) Dibromomethane	7.580	93	104791	52.854	ug/l	99
47) Bromodichloromethane	7.818	83	218872	51.865	ug/l	99
48) Methyl methacrylate	7.690	41	155179	50.837	ug/l	97
49) 1,4-Dioxane	7.671	88	33749	972.087	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	882345	264.926	ug/l	98
52) Toluene	8.714	92	348287	50.178	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	209827	52.654	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	225848	51.782	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	136289	52.358	ug/l	98
56) Ethyl methacrylate	9.116	69	213603	55.430	ug/l	99
57) 1,3-Dichloropropane	9.305	76	233683	51.654	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	507700	236.756	ug/l	99
59) 2-Hexanone	9.427	43	616087	279.986	ug/l	100
60) Dibromochloromethane	9.519	129	163831	53.664	ug/l	100
61) 1,2-Dibromoethane	9.610	107	140997	51.802	ug/l	99
64) Tetrachloroethene	9.275	164	116103	48.805	ug/l	97
65) Chlorobenzene	10.073	112	384598	49.749	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	135093	51.903	ug/l	99
67) Ethyl Benzene	10.189	91	678292	50.181	ug/l	99
68) m/p-Xylenes	10.299	106	507852	100.400	ug/l	99
69) o-Xylene	10.640	106	244621	50.835	ug/l	99
70) Styrene	10.653	104	425811	51.604	ug/l	99
71) Bromoform	10.799	173	105702	53.462	ug/l #	97
73) Isopropylbenzene	10.957	105	634683	48.515	ug/l	99
74) N-amyl acetate	10.842	43	274324	51.971	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	189270	50.649	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	157017m	51.158	ug/l	
77) Bromobenzene	11.195	156	155095	49.428	ug/l	99
78) n-propylbenzene	11.299	91	754576	48.268	ug/l	100
79) 2-Chlorotoluene	11.360	91	451205	48.283	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	523346	48.423	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	39232	32.932	ug/l	97
82) 4-Chlorotoluene	11.451	91	529783	48.570	ug/l	99
83) tert-Butylbenzene	11.713	119	526971	48.579	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	530631	49.223	ug/l	100
85) sec-Butylbenzene	11.890	105	641966	47.364	ug/l	100
86) p-Isopropyltoluene	12.006	119	536874	47.765	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	289704	48.591	ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	291463	48.252	ug/l	98
89) n-Butylbenzene	12.329	91	496208	47.076	ug/l	99
90) Hexachloroethane	12.536	117	99243	49.356	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	279057	48.972	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38332	53.439	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	185818	49.356	ug/l	99
94) Hexachlorobutadiene	13.719	225	59948	46.820	ug/l	99
95) Naphthalene	13.774	128	563399	51.047	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	174714	48.170	ug/l	99

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

