

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081825\
 Data File : VX047371.D
 Acq On : 18 Aug 2025 10:00
 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 08/19/2025
 Supervised By : Mahesh Dadoda 08/20/2025

Quant Time: Aug 19 01:36:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	269622	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	444434	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	389564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	190181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	186066	49.309	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.620%		
35) Dibromofluoromethane	5.397	113	149242	51.741	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	103.480%		
50) Toluene-d8	8.647	98	510697	49.536	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.080%		
62) 4-Bromofluorobenzene	11.079	95	188302	49.495	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.980%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	183604	53.419	ug/l	99
3) Chloromethane	1.307	50	172140	55.674	ug/l	98
4) Vinyl Chloride	1.392	62	193962	49.979	ug/l	89
5) Bromomethane	1.624	94	66879	42.665	ug/l	94
6) Chloroethane	1.703	64	121687	51.248	ug/l	92
7) Trichlorofluoromethane	1.904	101	285927	49.809	ug/l	99
8) Diethyl Ether	2.148	74	98695	48.828	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	170115	51.087	ug/l	98
10) Methyl Iodide	2.471	142	230213	40.343	ug/l	97
11) Tert butyl alcohol	2.959	59	79871	243.310	ug/l	99
12) 1,1-Dichloroethene	2.337	96	166109	48.931	ug/l	100
13) Acrolein	2.245	56	97377	140.523	ug/l	100
14) Allyl chloride	2.678	41	273602	46.403	ug/l	97
15) Acrylonitrile	3.081	53	391108	246.561	ug/l	100
16) Acetone	2.392	43	342152	241.230	ug/l	98
17) Carbon Disulfide	2.526	76	515723	50.344	ug/l	99
18) Methyl Acetate	2.715	43	181273	49.319	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	496038	48.031	ug/l	99
20) Methylene Chloride	2.800	84	177230	47.188	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	170589	47.345	ug/l	98
22) Diisopropyl ether	3.769	45	566100	48.571	ug/l	96
23) Vinyl Acetate	3.733	43	2308563	241.659	ug/l	100
24) 1,1-Dichloroethane	3.623	63	317338	48.171	ug/l	98
25) 2-Butanone	4.562	43	445204	239.666	ug/l	99
26) 2,2-Dichloropropane	4.489	77	233509	46.963	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	195846	46.668	ug/l	99
28) Bromochloromethane	4.903	49	144569	52.737	ug/l	98
29) Tetrahydrofuran	5.019	42	275691	229.620	ug/l	99
30) Chloroform	5.099	83	315459	46.921	ug/l	96
31) Cyclohexane	5.477	56	280615	46.209	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	276215	47.731	ug/l	99
36) 1,1-Dichloropropene	5.702	75	216239	47.491	ug/l	98
37) Ethyl Acetate	4.714	43	232054	49.091	ug/l	98
38) Carbon Tetrachloride	5.684	117	243389	48.915	ug/l	98
39) Methylcyclohexane	7.385	83	268330	47.245	ug/l	95
40) Benzene	6.043	78	653043	47.917	ug/l	99

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41) Methacrylonitrile	4.934	41	95846	48.083	ug/l	96
42) 1,2-Dichloroethane	6.092	62	228939	47.424	ug/l	99
43) Isopropyl Acetate	6.342	43	323127	47.583	ug/l	100
44) Trichloroethene	7.129	130	162678	46.616	ug/l	100
45) 1,2-Dichloropropane	7.433	63	163590	47.913	ug/l	99
46) Dibromomethane	7.580	93	117704	47.485	ug/l	99
47) Bromodichloromethane	7.824	83	247713	48.205	ug/l	99
48) Methyl methacrylate	7.696	41	166270	47.171	ug/l	99
49) 1,4-Dioxane	7.683	88	34744	1013.952	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	952145	243.653	ug/l	98
52) Toluene	8.720	92	400051	47.503	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	221043	49.287	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	244614	48.187	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	151070	47.246	ug/l	97
56) Ethyl methacrylate	9.116	69	224978	47.723	ug/l	99
57) 1,3-Dichloropropane	9.305	76	255427	46.880	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	514434	229.244	ug/l	99
59) 2-Hexanone	9.427	43	643715	238.139	ug/l	100
60) Dibromochloromethane	9.518	129	180536	47.510	ug/l	98
61) 1,2-Dibromoethane	9.610	107	152751	46.327	ug/l	99
64) Tetrachloroethene	9.275	164	135984	48.259	ug/l	99
65) Chlorobenzene	10.079	112	439867	47.514	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	151414	48.384	ug/l	99
67) Ethyl Benzene	10.189	91	766794	48.124	ug/l	100
68) m/p-Xylenes	10.299	106	572388	96.341	ug/l	99
69) o-Xylene	10.640	106	275968	48.267	ug/l	99
70) Styrene	10.652	104	478038	49.483	ug/l	100
71) Bromoform	10.799	173	115849	49.276	ug/l #	99
73) Isopropylbenzene	10.957	105	723706	48.628	ug/l	99
74) N-amyl acetate	10.841	43	278569	49.291	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	209247	47.887	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	162113m	46.476	ug/l	
77) Bromobenzene	11.195	156	171756	47.261	ug/l	98
78) n-propylbenzene	11.299	91	869019	48.892	ug/l	100
79) 2-Chlorotoluene	11.360	91	503902	46.898	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	590722	48.241	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24594	33.692	ug/l	99
82) 4-Chlorotoluene	11.451	91	597497	47.174	ug/l	100
83) tert-Butylbenzene	11.713	119	596984	48.866	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	592440	48.380	ug/l	100
85) sec-Butylbenzene	11.890	105	735112	48.547	ug/l	100
86) p-Isopropyltoluene	12.006	119	618942	48.304	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	325052	46.819	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	326917	45.783	ug/l	99
89) n-Butylbenzene	12.329	91	569584	47.792	ug/l	100
90) Hexachloroethane	12.536	117	108936	48.462	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	311081	47.206	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39921	47.241	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	202922	45.933	ug/l	99
94) Hexachlorobutadiene	13.719	225	65173	41.446	ug/l	99
95) Naphthalene	13.774	128	605337	47.948	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	195721	47.001	ug/l	98

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

