

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
 Data File : VX047309.D
 Acq On : 13 Aug 2025 09:44
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050

Quant Time: Aug 14 03:23:18 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

Manual Integrations APPROVED

Reviewed By : John Carlone 08/14/2025
 Supervised By : Mahesh Dadoda 08/18/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	202458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	343367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	311895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	156059	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	122913	48.737	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.480%
35) Dibromofluoromethane	5.391	113	109453	51.627	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.260%
50) Toluene-d8	8.647	98	302023	43.990	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	87.980%#
62) 4-Bromofluorobenzene	11.079	95	146951	49.666	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.340%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.185	85	138397	51.465	ug/l	99
3) Chloromethane	1.313	50	123447	46.408	ug/l	97
4) Vinyl Chloride	1.392	62	146166	51.117	ug/l	100
5) Bromomethane	1.624	94	78964	50.837	ug/l	99
6) Chloroethane	1.703	64	89071	47.427	ug/l	99
7) Trichlorofluoromethane	1.904	101	215625	50.571	ug/l	99
8) Diethyl Ether	2.148	74	81402	54.146	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.343	101	126773	49.350	ug/l	98
10) Methyl Iodide	2.465	142	219512	83.845	ug/l	100
11) Tert butyl alcohol	2.965	59	78261	266.119	ug/l	100
12) 1,1-Dichloroethene	2.331	96	127051	49.935	ug/l	98
13) Acrolein	2.245	56	211272	389.062	ug/l	99
14) Allyl chloride	2.678	41	227152	49.389	ug/l	97
15) Acrylonitrile	3.074	53	336877	280.076	ug/l	98
16) Acetone	2.386	43	294865	291.855	ug/l	100
17) Carbon Disulfide	2.526	76	347209	47.171	ug/l	98
18) Methyl Acetate	2.709	43	164668	61.331	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	428882	55.387	ug/l	99
20) Methylene Chloride	2.800	84	144651	52.043	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	133319	51.205	ug/l	98
22) Diisopropyl ether	3.769	45	474294	53.638	ug/l	93
23) Vinyl Acetate	3.727	43	1966349	277.255	ug/l	100
24) 1,1-Dichloroethane	3.617	63	249579	50.758	ug/l	98
25) 2-Butanone	4.562	43	379836	258.198	ug/l	97
26) 2,2-Dichloropropane	4.483	77	191107	50.208	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	161308	52.320	ug/l	98
28) Bromochloromethane	4.903	49	121750	53.820	ug/l	98
29) Tetrahydrofuran	5.013	42	237647	250.372	ug/l	99
30) Chloroform	5.099	83	258046	51.555	ug/l	98
31) Cyclohexane	5.476	56	218449	46.334	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	218773	50.322	ug/l	100
36) 1,1-Dichloropropene	5.702	75	174512	48.290	ug/l	99
37) Ethyl Acetate	4.721	43	192890	57.925	ug/l	96
38) Carbon Tetrachloride	5.684	117	186156	48.263	ug/l	99
39) Methylcyclohexane	7.379	83	207402	45.966	ug/l	99
40) Benzene	6.043	78	533739	51.034	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	89952	51.663	ug/l	95
42) 1,2-Dichloroethane	6.092	62	198218	53.804	ug/l	99
43) Isopropyl Acetate	6.342	43	287722	55.423	ug/l	98
44) Trichloroethene	7.129	130	133465	49.765	ug/l	99
45) 1,2-Dichloropropane	7.427	63	135914	51.888	ug/l	97
46) Dibromomethane	7.580	93	101172	55.078	ug/l	100
47) Bromodichloromethane	7.818	83	208211	53.254	ug/l	98
48) Methyl methacrylate	7.696	41	149404	52.829	ug/l	98
49) 1,4-Dioxane	7.677	88	33534	1042.543	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	845831	274.116	ug/l	99
52) Toluene	8.720	92	331807	51.598	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	192983	52.270	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	211833	52.423	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	131934	54.707	ug/l	98
56) Ethyl methacrylate	9.116	69	202090	56.604	ug/l	99
57) 1,3-Dichloropropane	9.305	76	225882	53.892	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	507677	255.533	ug/l	100
59) 2-Hexanone	9.427	43	591849	290.316	ug/l	100
60) Dibromochloromethane	9.518	129	153681	54.334	ug/l	100
61) 1,2-Dibromoethane	9.610	107	136881	54.281	ug/l	98
64) Tetrachloroethene	9.275	164	108938	48.451	ug/l	98
65) Chlorobenzene	10.079	112	369251	50.536	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	130021	52.854	ug/l	98
67) Ethyl Benzene	10.189	91	640387	50.127	ug/l	100
68) m/p-Xylenes	10.299	106	481905	100.800	ug/l	100
69) o-Xylene	10.640	106	232501	51.121	ug/l	100
70) Styrene	10.652	104	404384	51.852	ug/l	100
71) Bromoform	10.799	173	101111	54.108	ug/l #	99
73) Isopropylbenzene	10.957	105	601920	48.889	ug/l	100
74) N-amyl acetate	10.841	43	253569	51.043	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	184802	52.547	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	148834m	51.525	ug/l	
77) Bromobenzene	11.195	156	149595	50.657	ug/l	98
78) n-propylbenzene	11.299	91	717788	48.787	ug/l	99
79) 2-Chlorotoluene	11.360	91	429105	48.791	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	502646	49.416	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	30072	26.822	ug/l	98
82) 4-Chlorotoluene	11.451	91	509422	49.625	ug/l	99
83) tert-Butylbenzene	11.713	119	499240	48.901	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	503767	49.654	ug/l	100
85) sec-Butylbenzene	11.890	105	607529	47.627	ug/l	99
86) p-Isopropyltoluene	12.006	119	513359	48.530	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	281606	50.187	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	276736	48.680	ug/l	99
89) n-Butylbenzene	12.329	91	467854	47.162	ug/l	99
90) Hexachloroethane	12.536	117	92640	48.954	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	266592	49.711	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36183	53.598	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	176813	49.902	ug/l	99
94) Hexachlorobutadiene	13.719	225	56288	46.711	ug/l	99
95) Naphthalene	13.774	128	537872	51.782	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	168763	49.440	ug/l	100

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

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