

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073125\
 Data File : VX047190.D
 Acq On : 31 Jul 2025 09:52
 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 08/01/2025
 Supervised By : Mahesh Dadoda 08/01/2025

Quant Time: Aug 01 01:45:01 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	257104	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	442115	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	387956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	183644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156075	48.732	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.460%		
35) Dibromofluoromethane	5.385	113	134069	49.114	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.220%		
50) Toluene-d8	8.647	98	388188	43.911	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	87.820%#		
62) 4-Bromofluorobenzene	11.079	95	178524	46.861	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	166087	48.635	ug/l	99
3) Chloromethane	1.313	50	144841	42.877	ug/l	98
4) Vinyl Chloride	1.392	62	177081	48.766	ug/l	100
5) Bromomethane	1.630	94	96683	49.015	ug/l	97
6) Chloroethane	1.703	64	103359	43.338	ug/l	99
7) Trichlorofluoromethane	1.904	101	264585	48.864	ug/l	98
8) Diethyl Ether	2.142	74	101913	53.381	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	163004	49.967	ug/l	98
10) Methyl Iodide	2.465	142	233763	70.310	ug/l	98
11) Tert butyl alcohol	2.953	59	100424	269.014	ug/l	98
12) 1,1-Dichloroethene	2.337	96	152672	47.251	ug/l	99
13) Acrolein	2.245	56	143330	207.845	ug/l	100
14) Allyl chloride	2.678	41	272353	46.631	ug/l	96
15) Acrylonitrile	3.075	53	411579	269.454	ug/l	99
16) Acetone	2.386	43	369440	287.948	ug/l	98
17) Carbon Disulfide	2.526	76	394635	42.219	ug/l	99
18) Methyl Acetate	2.709	43	219787	64.462	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	547605	55.688	ug/l	98
20) Methylene Chloride	2.800	84	176137	49.902	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	160457	48.530	ug/l	99
22) Diisopropyl ether	3.764	45	599227	53.364	ug/l	96
23) Vinyl Acetate	3.727	43	2470786	274.334	ug/l	99
24) 1,1-Dichloroethane	3.617	63	312297	50.014	ug/l	99
25) 2-Butanone	4.556	43	511161	273.616	ug/l	100
26) 2,2-Dichloropropane	4.483	77	245382	50.765	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	196873	50.283	ug/l	99
28) Bromochloromethane	4.904	49	148328	51.633	ug/l	99
29) Tetrahydrofuran	5.013	42	314481	260.900	ug/l	99
30) Chloroform	5.099	83	323320	50.867	ug/l	99
31) Cyclohexane	5.477	56	270152	45.121	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	272746	49.403	ug/l	99
36) 1,1-Dichloropropene	5.696	75	211789	45.515	ug/l	99
37) Ethyl Acetate	4.715	43	231842	54.072	ug/l	99
38) Carbon Tetrachloride	5.684	117	234082	47.133	ug/l	100
39) Methylcyclohexane	7.379	83	264931	45.602	ug/l	98
40) Benzene	6.037	78	651898	48.410	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	112449	50.159	ug/l	93
42) 1,2-Dichloroethane	6.086	62	247408	52.157	ug/l	98
43) Isopropyl Acetate	6.336	43	370664	55.453	ug/l	100
44) Trichloroethene	7.123	130	160707	46.539	ug/l	99
45) 1,2-Dichloropropane	7.427	63	167844	49.766	ug/l	94
46) Dibromomethane	7.580	93	123847	52.364	ug/l	99
47) Bromodichloromethane	7.818	83	256214	50.895	ug/l	98
48) Methyl methacrylate	7.690	41	189647	52.081	ug/l	99
49) 1,4-Dioxane	7.720	88	47325	1142.674	ug/l #	91
51) 4-Methyl-2-Pentanone	8.574	43	1062130	267.333	ug/l	100
52) Toluene	8.714	92	400154	48.327	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	250212	52.634	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	268192	51.546	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	160740	51.764	ug/l	99
56) Ethyl methacrylate	9.116	69	257195	55.948	ug/l	100
57) 1,3-Dichloropropane	9.305	76	274740	50.908	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	680723	266.105	ug/l	100
59) 2-Hexanone	9.427	43	729988	278.098	ug/l	100
60) Dibromochloromethane	9.519	129	190388	52.277	ug/l	98
61) 1,2-Dibromoethane	9.604	107	164186	50.567	ug/l	99
64) Tetrachloroethene	9.275	164	129516	46.310	ug/l	97
65) Chlorobenzene	10.079	112	444413	48.898	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	157342	51.420	ug/l	99
67) Ethyl Benzene	10.189	91	775252	48.786	ug/l	99
68) m/p-Xylenes	10.299	106	574636	96.631	ug/l	100
69) o-Xylene	10.640	106	281210	49.708	ug/l	99
70) Styrene	10.653	104	490706	50.585	ug/l	99
71) Bromoform	10.799	173	123462	53.116	ug/l	99
73) Isopropylbenzene	10.957	105	742551	51.252	ug/l	100
74) N-amyl acetate	10.842	43	318332	54.455	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	226678	54.772	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	187731m	55.229	ug/l	
77) Bromobenzene	11.195	156	179962	51.786	ug/l	100
78) n-propylbenzene	11.299	91	880193	50.839	ug/l	99
79) 2-Chlorotoluene	11.360	91	523970	50.628	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	614804	51.364	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	57273	43.410	ug/l	99
82) 4-Chlorotoluene	11.451	91	615688	50.967	ug/l	99
83) tert-Butylbenzene	11.713	119	626241	52.127	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	616739	51.658	ug/l	97
85) sec-Butylbenzene	11.890	105	770332	51.318	ug/l	99
86) p-Isopropyltoluene	12.006	119	647182	51.991	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	333902	50.569	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	329565	49.265	ug/l	98
89) n-Butylbenzene	12.329	91	611968	52.423	ug/l	99
90) Hexachloroethane	12.536	117	118148	53.055	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	321192	50.896	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44780	56.369	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	217704	52.213	ug/l	99
94) Hexachlorobutadiene	13.719	225	75718	53.397	ug/l	98
95) Naphthalene	13.774	128	673748	55.120	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	208683	51.952	ug/l	98

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

