

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050225\
 Data File : VX046013.D
 Acq On : 02 May 2025 09:26
 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 05/02/2025
 Supervised By : Semsettin Yesilyurt 05/05/2025

Quant Time: May 02 13:00:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	88170	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	150204	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	131792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	80096	49.675	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.360%		
35) Dibromofluoromethane	5.373	113	56386	52.910	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.820%		
50) Toluene-d8	8.647	98	180362	48.488	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.980%		
62) 4-Bromofluorobenzene	11.079	95	75473	55.704	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	111.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	60778	46.093	ug/l	97
3) Chloromethane	1.307	50	62239	45.945	ug/l	100
4) Vinyl Chloride	1.374	62	57112	46.069	ug/l	100
5) Bromomethane	1.593	94	27349	46.527	ug/l	98
6) Chloroethane	1.666	64	33407	50.792	ug/l	98
7) Trichlorofluoromethane	1.874	101	95350	51.579	ug/l	98
8) Diethyl Ether	2.130	74	31206	50.280	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.319	101	58844	54.322	ug/l	97
10) Methyl Iodide	2.441	142	68859	50.963	ug/l	98
11) Tert butyl alcohol	2.977	59	55495	256.099	ug/l	99
12) 1,1-Dichloroethene	2.306	96	51972	49.101	ug/l	98
13) Acrolein	2.233	56	61789	207.066	ug/l	100
14) Allyl chloride	2.654	41	105708	52.634	ug/l	100
15) Acrylonitrile	3.062	53	177096	258.903	ug/l	99
16) Acetone	2.380	43	187411	283.057	ug/l	98
17) Carbon Disulfide	2.502	76	111650	42.708	ug/l	98
18) Methyl Acetate	2.703	43	101484	66.574	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	198692	53.661	ug/l	99
20) Methylene Chloride	2.782	84	63418	51.163	ug/l	100
21) trans-1,2-Dichloroethene	3.081	96	53929	49.871	ug/l	98
22) Diisopropyl ether	3.757	45	210949	53.322	ug/l	98
23) Vinyl Acetate	3.715	43	891017	260.678	ug/l	99
24) 1,1-Dichloroethane	3.605	63	115524	51.634	ug/l	99
25) 2-Butanone	4.550	43	260536	268.823	ug/l	99
26) 2,2-Dichloropropane	4.465	77	91460	63.271	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	67364	51.132	ug/l	98
28) Bromochloromethane	4.891	49	52421	48.485	ug/l	99
29) Tetrahydrofuran	5.001	42	159133	253.256	ug/l	99
30) Chloroform	5.080	83	120785	52.466	ug/l	95
31) Cyclohexane	5.458	56	97481	49.284	ug/l	98
32) 1,1,1-Trichloroethane	5.373	97	103665	53.216	ug/l	98
36) 1,1-Dichloropropene	5.678	75	76624	53.251	ug/l	98
37) Ethyl Acetate	4.708	43	94033	51.857	ug/l	99
38) Carbon Tetrachloride	5.666	117	89136	57.318	ug/l	99
39) Methylcyclohexane	7.373	83	95455	54.119	ug/l	97
40) Benzene	6.031	78	229520	52.228	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	55854	58.378	ug/l	98
42) 1,2-Dichloroethane	6.080	62	99897	55.038	ug/l	99
43) Isopropyl Acetate	6.336	43	152339	55.430	ug/l	100
44) Trichloroethene	7.117	130	55297	52.940	ug/l	96
45) 1,2-Dichloropropane	7.421	63	59078	53.880	ug/l	94
46) Dibromomethane	7.574	93	45867	54.493	ug/l	98
47) Bromodichloromethane	7.818	83	94830	56.415	ug/l	98
48) Methyl methacrylate	7.690	41	80247	56.551	ug/l	99
49) 1,4-Dioxane	7.659	88	27278	1062.490	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	509267	279.523	ug/l	100
52) Toluene	8.714	92	140479	52.828	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	85296	52.640	ug/l	98
54) cis-1,3-Dichloropropene	8.360	75	92674	58.669	ug/l	97
55) 1,1,2-Trichloroethane	9.147	97	57767	54.516	ug/l	98
56) Ethyl methacrylate	9.110	69	96287	58.715	ug/l	99
57) 1,3-Dichloropropane	9.305	76	100671	54.558	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	242306	292.081	ug/l	100
59) 2-Hexanone	9.427	43	375872	278.594	ug/l	100
60) Dibromochloromethane	9.519	129	66562	57.619	ug/l	100
61) 1,2-Dibromoethane	9.604	107	59620	55.581	ug/l	100
64) Tetrachloroethene	9.269	164	52160	56.056	ug/l	97
65) Chlorobenzene	10.073	112	154514	54.866	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	55301	56.561	ug/l	98
67) Ethyl Benzene	10.189	91	284404	56.387	ug/l	99
68) m/p-Xylenes	10.299	106	204868	111.677	ug/l	99
69) o-Xylene	10.640	106	102319	56.619	ug/l	100
70) Styrene	10.653	104	173217	58.075	ug/l	99
71) Bromoform	10.799	173	43677	59.828	ug/l #	99
73) Isopropylbenzene	10.957	105	274941	53.704	ug/l	99
74) N-amyl acetate	10.842	43	130414	53.253	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	89012	49.494	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	78788m	50.537	ug/l	
77) Bromobenzene	11.195	156	62004	52.417	ug/l	99
78) n-propylbenzene	11.299	91	324182	54.975	ug/l	100
79) 2-Chlorotoluene	11.360	91	199253	52.854	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	231731	54.738	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	25272	55.016	ug/l	98
82) 4-Chlorotoluene	11.451	91	228256	54.305	ug/l	99
83) tert-Butylbenzene	11.713	119	227132	54.192	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	235077	55.325	ug/l	99
85) sec-Butylbenzene	11.890	105	288921	56.125	ug/l	99
86) p-Isopropyltoluene	12.006	119	241820	56.978	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	115417	53.602	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	113949	52.200	ug/l	99
89) n-Butylbenzene	12.329	91	218737	59.435	ug/l	100
90) Hexachloroethane	12.536	117	42340	58.049	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	113389	52.967	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20749	55.166	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	67859	56.947	ug/l	99
94) Hexachlorobutadiene	13.725	225	28993	56.463	ug/l	98
95) Naphthalene	13.774	128	241248	54.403	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	69807	55.945	ug/l	100

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

