

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046181.D
 Acq On : 14 May 2025 09:59
 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 05/15/2025
 Supervised By : Mahesh Dadoda 05/15/2025

Quant Time: May 15 01:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.543	168	92522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	155707	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	140519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	84565	49.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.060%		
35) Dibromofluoromethane	5.379	113	59183	52.783	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.560%		
50) Toluene-d8	8.640	98	201370	51.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.780%		
62) 4-Bromofluorobenzene	11.079	95	78977	53.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	106.100%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	75455	53.283	ug/l	97
3) Chloromethane	1.306	50	69407	50.541	ug/l	98
4) Vinyl Chloride	1.373	62	63538	49.713	ug/l	99
5) Bromomethane	1.593	94	26858	45.307	ug/l	97
6) Chloroethane	1.666	64	33944	49.749	ug/l	97
7) Trichlorofluoromethane	1.873	101	96944	51.323	ug/l	98
8) Diethyl Ether	2.135	74	31040	48.272	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.318	101	60493	51.750	ug/l	99
10) Methyl Iodide	2.440	142	61544	44.495	ug/l	98
11) Tert butyl alcohol	2.983	59	58844	243.032	ug/l	99
12) 1,1-Dichloroethene	2.306	96	54016	49.236	ug/l	98
13) Acrolein	2.233	56	74317	269.517	ug/l	100
14) Allyl chloride	2.654	41	108978	51.975	ug/l	98
15) Acrylonitrile	3.062	53	177703	256.670	ug/l	97
16) Acetone	2.385	43	178746	258.450	ug/l	100
17) Carbon Disulfide	2.501	76	120213	46.219	ug/l	99
18) Methyl Acetate	2.702	43	86558	53.934	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	197109	51.246	ug/l	99
20) Methylene Chloride	2.782	84	62797	47.382	ug/l	96
21) trans-1,2-Dichloroethene	3.080	96	53849	48.808	ug/l	96
22) Diisopropyl ether	3.757	45	211893	52.318	ug/l	97
23) Vinyl Acetate	3.714	43	919719	258.187	ug/l	99
24) 1,1-Dichloroethane	3.599	63	114951	50.957	ug/l	98
25) 2-Butanone	4.556	43	259186	258.137	ug/l	99
26) 2,2-Dichloropropane	4.464	77	88821	50.305	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	66737	50.247	ug/l	99
28) Bromochloromethane	4.891	49	53358	49.140	ug/l	99
29) Tetrahydrofuran	5.001	42	160021	254.336	ug/l	99
30) Chloroform	5.086	83	120443	51.225	ug/l	96
31) Cyclohexane	5.458	56	100204	48.746	ug/l	100
32) 1,1,1-Trichloroethane	5.373	97	103781	50.918	ug/l	99
36) 1,1-Dichloropropene	5.684	75	75672	50.230	ug/l	99
37) Ethyl Acetate	4.708	43	95498	51.307	ug/l	99
38) Carbon Tetrachloride	5.671	117	88471	52.266	ug/l	97
39) Methylcyclohexane	7.372	83	98803	50.942	ug/l	95
40) Benzene	6.025	78	229214	51.944	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.915	41	55872	57.383	ug/l	99
42) 1,2-Dichloroethane	6.080	62	100162	52.592	ug/l	100
43) Isopropyl Acetate	6.336	43	152717	53.783	ug/l	100
44) Trichloroethene	7.122	130	55066	51.848	ug/l	100
45) 1,2-Dichloropropane	7.421	63	59276	54.022	ug/l	100
46) Dibromomethane	7.573	93	45403	52.464	ug/l	99
47) Bromodichloromethane	7.817	83	92130	54.051	ug/l	98
48) Methyl methacrylate	7.689	41	79292	54.678	ug/l	99
49) 1,4-Dioxane	7.659	88	29613	1075.475	ug/l	99
51) 4-Methyl-2-Pentanone	8.573	43	507725	269.373	ug/l	100
52) Toluene	8.713	92	141251	52.203	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	82854	54.688	ug/l	100
54) cis-1,3-Dichloropropene	8.360	75	90937	54.307	ug/l	99
55) 1,1,2-Trichloroethane	9.146	97	57222	53.633	ug/l	96
56) Ethyl methacrylate	9.116	69	95191	55.981	ug/l	99
57) 1,3-Dichloropropane	9.305	76	100399	52.398	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	250117	288.517	ug/l	100
59) 2-Hexanone	9.427	43	373605	267.919	ug/l	100
60) Dibromochloromethane	9.518	129	65246	55.684	ug/l	100
61) 1,2-Dibromoethane	9.604	107	58733	52.965	ug/l	98
64) Tetrachloroethene	9.268	164	49716	50.004	ug/l	97
65) Chlorobenzene	10.073	112	154083	50.098	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.158	131	53417	50.862	ug/l	99
67) Ethyl Benzene	10.189	91	281152	51.859	ug/l	99
68) m/p-Xylenes	10.299	106	206571	104.178	ug/l	98
69) o-Xylene	10.640	106	100862	52.176	ug/l	97
70) Styrene	10.652	104	173899	54.916	ug/l	100
71) Bromoform	10.799	173	41583	52.737	ug/l #	98
73) Isopropylbenzene	10.957	105	273816	53.491	ug/l	99
74) N-amyl acetate	10.841	43	130717	51.677	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87500	48.778	ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	77241m	48.805	ug/l	
77) Bromobenzene	11.195	156	61354	51.627	ug/l	100
78) n-propylbenzene	11.298	91	320409	53.832	ug/l	100
79) 2-Chlorotoluene	11.359	91	196787	51.259	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	234370	54.804	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	24582	50.568	ug/l	99
82) 4-Chlorotoluene	11.451	91	226547	53.213	ug/l	99
83) tert-Butylbenzene	11.713	119	227279	52.762	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	230811	53.296	ug/l	100
85) sec-Butylbenzene	11.890	105	287878	54.429	ug/l	100
86) p-Isopropyltoluene	12.006	119	237747	54.457	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	113068	52.131	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	112173	50.642	ug/l	99
89) n-Butylbenzene	12.329	91	213223	55.679	ug/l	99
90) Hexachloroethane	12.536	117	40847	53.107	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	112711	51.786	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	20686	52.054	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	67243	53.791	ug/l	98
94) Hexachlorobutadiene	13.725	225	28755	52.668	ug/l	98
95) Naphthalene	13.774	128	238800	52.084	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	69216	53.661	ug/l	97

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

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