

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052825\
 Data File : VX046388.D
 Acq On : 28 May 2025 16:47
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/29/2025
 Supervised By : Mahesh Dadoda 05/29/2025

Quant Time: May 29 03:40:50 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	5.544	168	83181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	141561	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	126386	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	79064	50.984	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.960%			
35) Dibromofluoromethane	5.373	113	55092	54.044	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.080%			
50) Toluene-d8	8.641	98	181670	51.490	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.980%			
62) 4-Bromofluorobenzene	11.079	95	71286	52.672	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.340%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	66744	52.425	ug/l	99
3) Chloromethane	1.307	50	64239	52.031	ug/l	97
4) Vinyl Chloride	1.374	62	58266	50.708	ug/l	100
5) Bromomethane	1.593	94	26662	50.027	ug/l	100
6) Chloroethane	1.666	64	32789	53.453	ug/l	98
7) Trichlorofluoromethane	1.874	101	90711	53.416	ug/l	99
8) Diethyl Ether	2.130	74	28927	50.038	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	56614	53.870	ug/l	97
10) Methyl Iodide	2.441	142	65552	52.715	ug/l	99
11) Tert butyl alcohol	2.977	59	55572	255.292	ug/l	99
12) 1,1-Dichloroethene	2.313	96	51345	52.057	ug/l	97
13) Acrolein	2.233	56	70957	286.229	ug/l	98
14) Allyl chloride	2.654	41	102788	54.528	ug/l	99
15) Acrylonitrile	3.062	53	171334	275.261	ug/l	98
16) Acetone	2.380	43	175783	282.708	ug/l	100
17) Carbon Disulfide	2.502	76	110349	47.191	ug/l	100
18) Methyl Acetate	2.703	43	95167	65.957	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	186527	53.941	ug/l	99
20) Methylene Chloride	2.782	84	60391	50.683	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	52628	53.058	ug/l	99
22) Diisopropyl ether	3.757	45	201528	55.346	ug/l	95
23) Vinyl Acetate	3.715	43	873677	272.804	ug/l	100
24) 1,1-Dichloroethane	3.599	63	109931	54.205	ug/l	97
25) 2-Butanone	4.550	43	250505	277.508	ug/l	99
26) 2,2-Dichloropropane	4.465	77	84927	53.501	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	63805	53.435	ug/l	99
28) Bromochloromethane	4.891	49	51157	52.404	ug/l	97
29) Tetrahydrofuran	4.995	42	155997	275.783	ug/l	98
30) Chloroform	5.086	83	115265	54.528	ug/l	97
31) Cyclohexane	5.458	56	96020	51.956	ug/l	97
32) 1,1,1-Trichloroethane	5.373	97	99006	54.030	ug/l	99
36) 1,1-Dichloropropene	5.684	75	72951	53.262	ug/l	99
37) Ethyl Acetate	4.708	43	92120	54.438	ug/l	99
38) Carbon Tetrachloride	5.666	117	83453	54.228	ug/l	99
39) Methylcyclohexane	7.373	83	95181	53.979	ug/l	97
40) Benzene	6.025	78	219480	54.708	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.910	41	55336	62.512	ug/l	97
42) 1,2-Dichloroethane	6.080	62	96342	55.642	ug/l	100
43) Isopropyl Acetate	6.336	43	149107	57.759	ug/l	99
44) Trichloroethene	7.117	130	53618	55.530	ug/l	99
45) 1,2-Dichloropropane	7.421	63	56435	56.573	ug/l	100
46) Dibromomethane	7.574	93	42939	54.575	ug/l	99
47) Bromodichloromethane	7.818	83	87867	56.702	ug/l	97
48) Methyl methacrylate	7.690	41	76419	57.962	ug/l	99
49) 1,4-Dioxane	7.659	88	26327	1051.680	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	493707	288.111	ug/l	99
52) Toluene	8.714	92	135816	55.210	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	77736	56.437	ug/l	99
54) cis-1,3-Dichloropropene	8.360	75	88302	58.003	ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	54496	56.182	ug/l	98
56) Ethyl methacrylate	9.116	69	90463	58.516	ug/l	99
57) 1,3-Dichloropropane	9.305	76	95837	55.015	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	223035	282.987	ug/l	99
59) 2-Hexanone	9.427	43	370343	292.119	ug/l	100
60) Dibromochloromethane	9.519	129	60327	56.631	ug/l	100
61) 1,2-Dibromoethane	9.604	107	56736	56.277	ug/l	98
64) Tetrachloroethene	9.269	164	49961	55.870	ug/l	96
65) Chlorobenzene	10.073	112	146043	52.794	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	51452	54.470	ug/l	99
67) Ethyl Benzene	10.189	91	268950	55.156	ug/l	100
68) m/p-Xylenes	10.299	106	194934	109.302	ug/l	96
69) o-Xylene	10.640	106	95897	55.155	ug/l	98
70) Styrene	10.653	104	160054	56.196	ug/l	98
71) Bromoform	10.799	173	38548	54.355	ug/l #	99
73) Isopropylbenzene	10.957	105	256197	53.820	ug/l	99
74) N-amyl acetate	10.842	43	129251	54.948	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	84883	50.884	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	77057m	52.357	ug/l	
77) Bromobenzene	11.195	156	57889	52.381	ug/l	99
78) n-propylbenzene	11.299	91	305890	55.265	ug/l	100
79) 2-Chlorotoluene	11.360	91	187744	52.588	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	218615	54.972	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24275	53.699	ug/l	98
82) 4-Chlorotoluene	11.451	91	215745	54.494	ug/l	100
83) tert-Butylbenzene	11.713	119	213952	53.410	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	223569	55.514	ug/l	99
85) sec-Butylbenzene	11.890	105	274017	55.712	ug/l	99
86) p-Isopropyltoluene	12.006	119	228558	56.297	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	107505	53.301	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	106966	51.930	ug/l	99
89) n-Butylbenzene	12.329	91	205435	57.687	ug/l	99
90) Hexachloroethane	12.536	117	38197	53.404	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	108545	53.630	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19869	53.765	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	64011	55.064	ug/l	98
94) Hexachlorobutadiene	13.725	225	28880	56.883	ug/l	99
95) Naphthalene	13.774	128	224463	52.646	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	64485	53.760	ug/l	99

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

