

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052125\
 Data File : VX046288.D
 Acq On : 21 May 2025 11:36
 Operator : JC/MD
 Sample : VX0521WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0521WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/22/2025
 Supervised By : Mahesh Dadoda 05/22/2025

Quant Time: May 22 01:46:54 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	82656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	142441	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	60955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83584	54.241	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.480%			
35) Dibromofluoromethane	5.379	113	56528	55.110	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.220%			
50) Toluene-d8	8.647	98	191946	54.067	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.140%			
62) 4-Bromofluorobenzene	11.079	95	75974	55.790	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.580%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	24490	19.358	ug/l	96
3) Chloromethane	1.307	50	22507	18.346	ug/l	97
4) Vinyl Chloride	1.374	62	20344	17.817	ug/l	100
5) Bromomethane	1.599	94	9965	18.816	ug/l	100
6) Chloroethane	1.666	64	12137	19.912	ug/l	99
7) Trichlorofluoromethane	1.874	101	32612	19.326	ug/l	99
8) Diethyl Ether	2.136	74	11252	19.587	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.319	101	20926	20.038	ug/l	100
10) Methyl Iodide	2.447	142	22264	18.018	ug/l	100
11) Tert butyl alcohol	2.977	59	24113	111.476	ug/l	100
12) 1,1-Dichloroethene	2.313	96	18846	19.229	ug/l	94
13) Acrolein	2.233	56	25786	104.677	ug/l	97
14) Allyl chloride	2.660	41	37509	20.025	ug/l	98
15) Acrylonitrile	3.062	53	67614	109.317	ug/l	99
16) Acetone	2.380	43	64692	104.704	ug/l	99
17) Carbon Disulfide	2.502	76	37246	16.029	ug/l	100
18) Methyl Acetate	2.703	43	36070	25.158	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	72930	21.224	ug/l	98
20) Methylene Chloride	2.782	84	22655	19.134	ug/l	96
21) trans-1,2-Dichloroethene	3.087	96	18684	18.956	ug/l	93
22) Diisopropyl ether	3.757	45	76975	21.274	ug/l	96
23) Vinyl Acetate	3.715	43	331115	104.047	ug/l	100
24) 1,1-Dichloroethane	3.605	63	41115	20.402	ug/l	99
25) 2-Butanone	4.556	43	99981	111.462	ug/l	99
26) 2,2-Dichloropropane	4.471	77	30442	19.299	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	24067	20.283	ug/l	99
28) Bromochloromethane	4.891	49	22324	23.013	ug/l	97
29) Tetrahydrofuran	5.001	42	62788	111.706	ug/l	97
30) Chloroform	5.086	83	44742	21.300	ug/l	98
31) Cyclohexane	5.458	56	34352	18.706	ug/l	98
32) 1,1,1-Trichloroethane	5.379	97	37409	20.545	ug/l	98
36) 1,1-Dichloropropene	5.690	75	27211	19.744	ug/l	99
37) Ethyl Acetate	4.715	43	35103	20.616	ug/l	99
38) Carbon Tetrachloride	5.672	117	30855	19.926	ug/l	92
39) Methylcyclohexane	7.373	83	32873	18.528	ug/l	98
40) Benzene	6.031	78	82429	20.420	ug/l	98

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41) Methacrylonitrile	4.922	41	19792	22.220	ug/l	95
42) 1,2-Dichloroethane	6.080	62	37969	21.793	ug/l	100
43) Isopropyl Acetate	6.336	43	58546	22.538	ug/l	99
44) Trichloroethene	7.117	130	19812	20.392	ug/l	100
45) 1,2-Dichloropropane	7.428	63	21442	21.361	ug/l	96
46) Dibromomethane	7.580	93	16936	21.392	ug/l	100
47) Bromodichloromethane	7.818	83	33671	21.594	ug/l	100
48) Methyl methacrylate	7.690	41	29893	22.533	ug/l	99
49) 1,4-Dioxane	7.659	88	11652	462.585	ug/l	98
51) 4-Methyl-2-Pentanone	8.568	43	197701	114.659	ug/l	100
52) Toluene	8.714	92	52163	21.074	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	28516	20.575	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	31756	20.731	ug/l	95
55) 1,1,2-Trichloroethane	9.147	97	22182	22.727	ug/l	97
56) Ethyl methacrylate	9.116	69	35144	22.593	ug/l	97
57) 1,3-Dichloropropane	9.305	76	37913	21.629	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	92402	116.515	ug/l	99
59) 2-Hexanone	9.427	43	147719	115.798	ug/l	99
60) Dibromochloromethane	9.519	129	23942	22.336	ug/l	99
61) 1,2-Dibromoethane	9.604	107	21638	21.330	ug/l	95
64) Tetrachloroethene	9.269	164	19011	21.054	ug/l	96
65) Chlorobenzene	10.073	112	56756	20.318	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	19864	20.825	ug/l	98
67) Ethyl Benzene	10.189	91	100205	20.351	ug/l	100
68) m/p-Xylenes	10.299	106	74017	41.100	ug/l	97
69) o-Xylene	10.640	106	36854	20.991	ug/l	98
70) Styrene	10.653	104	61684	21.448	ug/l	99
71) Bromoform	10.799	173	14675	20.492	ug/l #	97
73) Isopropylbenzene	10.957	105	98613	20.780	ug/l	99
74) N-amyl acetate	10.842	43	48166	20.540	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34432	20.705	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	30516m	20.799	ug/l	
77) Bromobenzene	11.195	156	22527	20.447	ug/l	98
78) n-propylbenzene	11.299	91	114085	20.676	ug/l	99
79) 2-Chlorotoluene	11.360	91	72593	20.397	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	83425	21.043	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	8892	19.731	ug/l	98
82) 4-Chlorotoluene	11.451	91	83368	21.123	ug/l	99
83) tert-Butylbenzene	11.713	119	81866	20.500	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	84105	20.949	ug/l	100
85) sec-Butylbenzene	11.890	105	103412	21.090	ug/l	99
86) p-Isopropyltoluene	12.006	119	83642	20.666	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	41719	20.748	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	41622	20.269	ug/l	97
89) n-Butylbenzene	12.329	91	71821	20.230	ug/l	99
90) Hexachloroethane	12.536	117	13808	19.365	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	41689	20.661	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	7612	20.662	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	22227	19.179	ug/l	99
94) Hexachlorobutadiene	13.725	225	10376	20.500	ug/l	94
95) Naphthalene	13.774	128	84035	19.771	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	23310	19.493	ug/l	99

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

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