

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052225\
 Data File : VX046315.D
 Acq On : 22 May 2025 09:40
 Operator : JC/MD
 Sample : VX0522WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0522WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/23/2025
 Supervised By : Mahesh Dadoda 05/23/2025

Quant Time: May 23 01:41:07 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	82612	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	144543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	128371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	61665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	78509	50.975	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.940%			
35) Dibromofluoromethane	5.385	113	53031	50.949	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.900%			
50) Toluene-d8	8.647	98	177917	49.386	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.780%			
62) 4-Bromofluorobenzene	11.079	95	70304	50.875	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	23650	18.704	ug/l	94
3) Chloromethane	1.301	50	22660	18.480	ug/l	99
4) Vinyl Chloride	1.374	62	19733	17.291	ug/l	93
5) Bromomethane	1.599	94	9422	17.801	ug/l	98
6) Chloroethane	1.672	64	12187	20.004	ug/l	91
7) Trichlorofluoromethane	1.874	101	32230	19.110	ug/l	98
8) Diethyl Ether	2.136	74	11076	19.291	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.319	101	20298	19.447	ug/l	98
10) Methyl Iodide	2.447	142	22096	17.891	ug/l	100
11) Tert butyl alcohol	2.971	59	24164	111.772	ug/l	99
12) 1,1-Dichloroethene	2.313	96	17991	18.366	ug/l	99
13) Acrolein	2.233	56	24177	98.198	ug/l	98
14) Allyl chloride	2.660	41	37794	20.188	ug/l	95
15) Acrylonitrile	3.062	53	67905	109.846	ug/l	97
16) Acetone	2.380	43	65416	105.932	ug/l	98
17) Carbon Disulfide	2.502	76	35927	15.470	ug/l	99
18) Methyl Acetate	2.703	43	36908	25.756	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	70981	20.668	ug/l	99
20) Methylene Chloride	2.782	84	22658	19.147	ug/l	97
21) trans-1,2-Dichloroethene	3.087	96	18970	19.257	ug/l	96
22) Diisopropyl ether	3.757	45	75962	21.005	ug/l	87
23) Vinyl Acetate	3.721	43	327823	103.067	ug/l	99
24) 1,1-Dichloroethane	3.605	63	40775	20.244	ug/l	97
25) 2-Butanone	4.556	43	99372	110.842	ug/l	99
26) 2,2-Dichloropropane	4.465	77	29502	18.713	ug/l	100
27) cis-1,2-Dichloroethene	4.483	96	22986	19.383	ug/l	97
28) Bromochloromethane	4.891	49	22265	22.965	ug/l	97
29) Tetrahydrofuran	5.007	42	62708	111.624	ug/l	97
30) Chloroform	5.086	83	43700	20.815	ug/l	96
31) Cyclohexane	5.458	56	33860	18.448	ug/l	100
32) 1,1,1-Trichloroethane	5.379	97	36104	19.839	ug/l	100
36) 1,1-Dichloropropene	5.684	75	25935	18.545	ug/l	100
37) Ethyl Acetate	4.715	43	36216	20.960	ug/l	98
38) Carbon Tetrachloride	5.666	117	30159	19.193	ug/l	96
39) Methylcyclohexane	7.373	83	33321	18.507	ug/l	98
40) Benzene	6.031	78	80505	19.653	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	21474	23.758	ug/l	97
42) 1,2-Dichloroethane	6.080	62	37240	21.064	ug/l	100
43) Isopropyl Acetate	6.336	43	55815	21.175	ug/l	98
44) Trichloroethene	7.123	130	19291	19.567	ug/l	96
45) 1,2-Dichloropropane	7.427	63	20719	20.341	ug/l	94
46) Dibromomethane	7.580	93	16816	20.932	ug/l	100
47) Bromodichloromethane	7.818	83	33273	21.028	ug/l	100
48) Methyl methacrylate	7.690	41	29443	21.871	ug/l	99
49) 1,4-Dioxane	7.659	88	11953	467.634	ug/l	97
51) 4-Methyl-2-Pentanone	8.567	43	199059	113.768	ug/l	98
52) Toluene	8.714	92	51134	20.357	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	27929	19.858	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	31303	20.138	ug/l	95
55) 1,1,2-Trichloroethane	9.153	97	21549	21.757	ug/l	97
56) Ethyl methacrylate	9.116	69	33856	21.448	ug/l	99
57) 1,3-Dichloropropane	9.305	76	37267	20.952	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	87984	109.331	ug/l	99
59) 2-Hexanone	9.427	43	148855	114.992	ug/l	98
60) Dibromochloromethane	9.519	129	22873	21.029	ug/l	98
61) 1,2-Dibromoethane	9.610	107	21685	21.066	ug/l	98
64) Tetrachloroethene	9.269	164	17501	19.268	ug/l	96
65) Chlorobenzene	10.079	112	55637	19.802	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	19426	20.247	ug/l	99
67) Ethyl Benzene	10.189	91	99120	20.013	ug/l	100
68) m/p-Xylenes	10.299	106	72682	40.124	ug/l	98
69) o-Xylene	10.640	106	36027	20.401	ug/l	97
70) Styrene	10.652	104	60337	20.857	ug/l	99
71) Bromoform	10.799	173	14002	19.438	ug/l #	96
73) Isopropylbenzene	10.957	105	96820	20.167	ug/l	98
74) N-amyl acetate	10.841	43	48549	20.465	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	34733	20.645	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	30712m	20.691	ug/l	
77) Bromobenzene	11.195	156	21897	19.646	ug/l	99
78) n-propylbenzene	11.299	91	111453	19.966	ug/l	100
79) 2-Chlorotoluene	11.360	91	70486	19.577	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	81436	20.305	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	8713	19.111	ug/l	94
82) 4-Chlorotoluene	11.451	91	81159	20.326	ug/l	99
83) tert-Butylbenzene	11.713	119	80105	19.828	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	82996	20.434	ug/l	98
85) sec-Butylbenzene	11.890	105	100597	20.280	ug/l	98
86) p-Isopropyltoluene	12.006	119	81709	19.956	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	40884	20.099	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	41270	19.866	ug/l	98
89) n-Butylbenzene	12.329	91	71202	19.825	ug/l	98
90) Hexachloroethane	12.536	117	14084	19.525	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	41773	20.465	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7490	20.097	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	22789	19.438	ug/l	97
94) Hexachlorobutadiene	13.725	225	10308	20.131	ug/l	97
95) Naphthalene	13.774	128	82395	19.162	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	23776	19.654	ug/l	98

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

