

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050725\
 Data File : VX046072.D
 Acq On : 07 May 2025 11:21
 Operator : JC/MD
 Sample : VX0507WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0507WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/08/2025
 Supervised By : Mahesh Dadoda 05/08/2025

Quant Time: May 08 01:47:23 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	87836	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	152137	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	135540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	63101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	83579	51.039	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.080%			
35) Dibromofluoromethane	5.373	113	56202	51.300	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.600%			
50) Toluene-d8	8.647	98	189490	49.973	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.940%			
62) 4-Bromofluorobenzene	11.079	95	71761	49.337	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	28286	21.040	ug/l	97
3) Chloromethane	1.307	50	25621	19.652	ug/l	99
4) Vinyl Chloride	1.374	62	23107	19.044	ug/l	99
5) Bromomethane	1.593	94	10561	18.766	ug/l	89
6) Chloroethane	1.672	64	13059	20.161	ug/l	98
7) Trichlorofluoromethane	1.880	101	36270	20.226	ug/l	98
8) Diethyl Ether	2.130	74	12057	19.751	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.325	101	21831	19.672	ug/l	99
10) Methyl Iodide	2.447	142	25345	19.301	ug/l	99
11) Tert butyl alcohol	2.971	59	23333	101.509	ug/l	99
12) 1,1-Dichloroethene	2.313	96	19652	18.869	ug/l	98
13) Acrolein	2.233	56	30601	116.898	ug/l	99
14) Allyl chloride	2.660	41	39989	20.090	ug/l	98
15) Acrylonitrile	3.062	53	67469	102.650	ug/l	98
16) Acetone	2.380	43	65001	99.000	ug/l	98
17) Carbon Disulfide	2.508	76	45663	18.493	ug/l	100
18) Methyl Acetate	2.703	43	32288	21.192	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	74408	20.377	ug/l	98
20) Methylene Chloride	2.782	84	23405	18.602	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	20151	19.239	ug/l	97
22) Diisopropyl ether	3.757	45	79110	20.575	ug/l	93
23) Vinyl Acetate	3.715	43	347422	102.733	ug/l	99
24) 1,1-Dichloroethane	3.605	63	42219	19.714	ug/l	99
25) 2-Butanone	4.556	43	98244	103.066	ug/l	99
26) 2,2-Dichloropropane	4.471	77	30895	18.431	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	25415	20.156	ug/l	97
28) Bromochloromethane	4.891	49	21243	20.607	ug/l	97
29) Tetrahydrofuran	5.007	42	62664	104.911	ug/l	99
30) Chloroform	5.086	83	45062	20.187	ug/l	94
31) Cyclohexane	5.458	56	37265	19.095	ug/l	99
32) 1,1,1-Trichloroethane	5.379	97	38104	19.692	ug/l	99
36) 1,1-Dichloropropene	5.684	75	29100	19.769	ug/l	99
37) Ethyl Acetate	4.708	43	36824	20.248	ug/l	99
38) Carbon Tetrachloride	5.666	117	32916	19.902	ug/l	96
39) Methylcyclohexane	7.373	83	36390	19.203	ug/l	97
40) Benzene	6.031	78	87577	20.312	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	20525	21.575	ug/l	97
42) 1,2-Dichloroethane	6.080	62	39504	21.229	ug/l	99
43) Isopropyl Acetate	6.336	43	57254	20.636	ug/l	99
44) Trichloroethene	7.123	130	19916	19.192	ug/l	88
45) 1,2-Dichloropropane	7.428	63	22426	20.918	ug/l	98
46) Dibromomethane	7.580	93	17667	20.894	ug/l	99
47) Bromodichloromethane	7.818	83	34525	20.731	ug/l	97
48) Methyl methacrylate	7.690	41	29922	21.118	ug/l	99
49) 1,4-Dioxane	7.659	88	12329	458.267	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	197746	107.376	ug/l	98
52) Toluene	8.714	92	53035	20.060	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	29037	19.616	ug/l	96
54) cis-1,3-Dichloropropene	8.360	75	33838	20.682	ug/l	93
55) 1,1,2-Trichloroethane	9.147	97	21872	20.981	ug/l	95
56) Ethyl methacrylate	9.116	69	34434	20.725	ug/l	97
57) 1,3-Dichloropropane	9.305	76	38650	20.645	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	92459	109.157	ug/l	100
59) 2-Hexanone	9.427	43	147639	108.359	ug/l	99
60) Dibromochloromethane	9.519	129	24221	21.157	ug/l	98
61) 1,2-Dibromoethane	9.604	107	22554	20.816	ug/l	98
64) Tetrachloroethene	9.269	164	18235	19.015	ug/l	94
65) Chlorobenzene	10.079	112	57904	19.518	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	19844	19.589	ug/l	98
67) Ethyl Benzene	10.189	91	102864	19.670	ug/l	98
68) m/p-Xylenes	10.299	106	76657	40.080	ug/l	98
69) o-Xylene	10.640	106	37755	20.248	ug/l	96
70) Styrene	10.653	104	62134	20.342	ug/l	100
71) Bromoform	10.799	173	14999	19.721	ug/l #	98
73) Isopropylbenzene	10.957	105	99754	20.306	ug/l	99
74) N-amyl acetate	10.842	43	49572	20.421	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	35803	20.797	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	31074m	20.459	ug/l	
77) Bromobenzene	11.195	156	23104	20.257	ug/l	99
78) n-propylbenzene	11.299	91	113555	19.880	ug/l	100
79) 2-Chlorotoluene	11.360	91	72707	19.734	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	84473	20.582	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	8255	17.695	ug/l	91
82) 4-Chlorotoluene	11.451	91	83103	20.340	ug/l	99
83) tert-Butylbenzene	11.713	119	82382	19.928	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	84310	20.285	ug/l	100
85) sec-Butylbenzene	11.890	105	101921	20.079	ug/l	99
86) p-Isopropyltoluene	12.006	119	83776	19.995	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	41592	19.982	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	41953	19.736	ug/l	99
89) n-Butylbenzene	12.329	91	72830	19.817	ug/l	98
90) Hexachloroethane	12.536	117	14568	19.736	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	42833	20.506	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7655	20.072	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	23241	19.372	ug/l	100
94) Hexachlorobutadiene	13.725	225	10318	19.692	ug/l	96
95) Naphthalene	13.774	128	84777	19.267	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	24418	19.726	ug/l	96

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

