

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080725\
 Data File : VX047255.D
 Acq On : 07 Aug 2025 12:23
 Operator : JC/MD
 Sample : VX0807WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0807WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Aug 08 02:41:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	240405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	399996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	360274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	184985	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	141701	47.317	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.640%		
35) Dibromofluoromethane	5.397	113	124533	50.424	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.840%		
50) Toluene-d8	8.647	98	364464	45.569	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	91.140%#		
62) 4-Bromofluorobenzene	11.079	95	173993	50.481	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.960%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	65872	20.629	ug/l	98
3) Chloromethane	1.313	50	57493	18.202	ug/l	97
4) Vinyl Chloride	1.392	62	68452	20.160	ug/l	98
5) Bromomethane	1.630	94	35275	19.125	ug/l	95
6) Chloroethane	1.709	64	39945	17.912	ug/l	96
7) Trichlorofluoromethane	1.904	101	98754	19.505	ug/l	97
8) Diethyl Ether	2.148	74	34771	19.478	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	59647	19.554	ug/l	98
10) Methyl Iodide	2.471	142	90429	29.088	ug/l	98
11) Tert butyl alcohol	2.947	59	30494	80.117	ug/l	97
12) 1,1-Dichloroethene	2.337	96	57054	18.885	ug/l	95
13) Acrolein	2.252	56	45852	71.109	ug/l	100
14) Allyl chloride	2.678	41	94277	17.263	ug/l	93
15) Acrylonitrile	3.081	53	136858	95.822	ug/l	99
16) Acetone	2.386	43	129393	107.856	ug/l	99
17) Carbon Disulfide	2.526	76	162207	18.559	ug/l	99
18) Methyl Acetate	2.715	43	64730	20.304	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	180970	19.682	ug/l	99
20) Methylene Chloride	2.800	84	64104	19.423	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	58746	19.002	ug/l	94
22) Diisopropyl ether	3.764	45	206970	19.712	ug/l	85
23) Vinyl Acetate	3.727	43	843578	100.169	ug/l	100
24) 1,1-Dichloroethane	3.623	63	111554	19.106	ug/l	99
25) 2-Butanone	4.568	43	170363	97.527	ug/l	100
26) 2,2-Dichloropropane	4.483	77	87690	19.402	ug/l	98
27) cis-1,2-Dichloroethene	4.495	96	70832	19.348	ug/l	99
28) Bromochloromethane	4.904	49	57619	21.450	ug/l	100
29) Tetrahydrofuran	5.026	42	105773	93.847	ug/l	98
30) Chloroform	5.105	83	115387	19.414	ug/l	99
31) Cyclohexane	5.477	56	106691	19.058	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	99754	19.324	ug/l	100
36) 1,1-Dichloropropene	5.702	75	79592	18.906	ug/l	98
37) Ethyl Acetate	4.727	43	76926	19.831	ug/l	99
38) Carbon Tetrachloride	5.684	117	86408	19.231	ug/l	98
39) Methylcyclohexane	7.385	83	103567	19.704	ug/l	98
40) Benzene	6.044	78	240826	19.767	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	37367	18.423	ug/l	92
42) 1,2-Dichloroethane	6.092	62	88512	20.624	ug/l	98
43) Isopropyl Acetate	6.342	43	123067	20.350	ug/l	100
44) Trichloroethene	7.135	130	60364	19.321	ug/l	99
45) 1,2-Dichloropropane	7.428	63	60603	19.861	ug/l	97
46) Dibromomethane	7.586	93	43758	20.449	ug/l	98
47) Bromodichloromethane	7.824	83	91266	20.038	ug/l	99
48) Methyl methacrylate	7.696	41	63959	19.414	ug/l	99
49) 1,4-Dioxane	7.714	88	13198	352.224	ug/l #	75
51) 4-Methyl-2-Pentanone	8.574	43	359707	100.070	ug/l	99
52) Toluene	8.720	92	153097	20.437	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	84051	19.542	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	93981	19.965	ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	58355	20.771	ug/l	97
56) Ethyl methacrylate	9.116	69	87048	20.930	ug/l	98
57) 1,3-Dichloropropane	9.305	76	99244	20.326	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	228113	98.562	ug/l	100
59) 2-Hexanone	9.427	43	246087	103.622	ug/l	100
60) Dibromochloromethane	9.519	129	67018	20.340	ug/l	99
61) 1,2-Dibromoethane	9.610	107	59559	20.275	ug/l	100
64) Tetrachloroethene	9.275	164	50356	19.389	ug/l	95
65) Chlorobenzene	10.080	112	168035	19.909	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	56683	19.948	ug/l	99
67) Ethyl Benzene	10.195	91	294397	19.950	ug/l	99
68) m/p-Xylenes	10.299	106	219555	39.757	ug/l	100
69) o-Xylene	10.640	106	104604	19.911	ug/l	98
70) Styrene	10.653	104	180324	20.017	ug/l	99
71) Bromoform	10.799	173	42833	19.844	ug/l #	98
73) Isopropylbenzene	10.957	105	279161	19.128	ug/l	100
74) N-amyl acetate	10.842	43	108707	18.461	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	80805	19.383	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	65160m	19.030	ug/l	
77) Bromobenzene	11.195	156	67218	19.202	ug/l	100
78) n-propylbenzene	11.299	91	338692	19.421	ug/l	100
79) 2-Chlorotoluene	11.360	91	199971	19.182	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	233945	19.403	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	18512	13.929	ug/l	98
82) 4-Chlorotoluene	11.451	91	235436	19.348	ug/l	98
83) tert-Butylbenzene	11.713	119	233417	19.288	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	235127	19.552	ug/l	100
85) sec-Butylbenzene	11.890	105	293924	19.439	ug/l	99
86) p-Isopropyltoluene	12.006	119	243036	19.383	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	129216	19.428	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	130475	19.363	ug/l	98
89) n-Butylbenzene	12.329	91	227712	19.365	ug/l	98
90) Hexachloroethane	12.536	117	42646	19.012	ug/l	94
91) 1,2-Dichlorobenzene	12.335	146	123799	19.475	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15642	19.548	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	81736	19.461	ug/l	99
94) Hexachlorobutadiene	13.725	225	28373	19.864	ug/l	98
95) Naphthalene	13.774	128	240001	19.492	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	76701	18.956	ug/l	99

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

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