

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062025\
 Data File : VX046792.D
 Acq On : 20 Jun 2025 18:42
 Operator : JC/MD
 Sample : VX0620WBSD02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0620WBSD02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/23/2025
 Supervised By : Mahesh Dadoda 06/23/2025

Quant Time: Jun 21 00:12:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	120705	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	197926	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	182045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	94174	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	80412	48.163	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.320%		
35) Dibromofluoromethane	5.397	113	65229	49.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.620%		
50) Toluene-d8	8.647	98	237880	50.560	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.120%		
62) 4-Bromofluorobenzene	11.079	95	92419	52.696	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	105.400%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	23492	18.229	ug/l	95
3) Chloromethane	1.307	50	24550	17.650	ug/l	98
4) Vinyl Chloride	1.386	62	27073	18.252	ug/l	93
5) Bromomethane	1.630	94	17332	20.769	ug/l	97
6) Chloroethane	1.703	64	16567	18.428	ug/l	99
7) Trichlorofluoromethane	1.904	101	40820	18.124	ug/l	100
8) Diethyl Ether	2.148	74	14298	18.498	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	25459	18.426	ug/l	99
10) Methyl Iodide	2.471	142	28127	19.187	ug/l	99
11) Tert butyl alcohol	2.953	59	9494	63.356	ug/l	97
12) 1,1-Dichloroethene	2.337	96	24747	18.561	ug/l	97
13) Acrolein	2.252	56	17936	82.173	ug/l	94
14) Allyl chloride	2.678	41	43381	17.958	ug/l	98
15) Acrylonitrile	3.075	53	56053	83.186	ug/l	99
16) Acetone	2.386	43	40885	73.434	ug/l	98
17) Carbon Disulfide	2.526	76	66786	16.588	ug/l	98
18) Methyl Acetate	2.715	43	23452	16.585	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	72719	17.517	ug/l	100
20) Methylene Chloride	2.806	84	28293	18.273	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	25885	18.145	ug/l	98
22) Diisopropyl ether	3.770	45	90685	19.531	ug/l	96
23) Vinyl Acetate	3.733	43	329720	89.301	ug/l	96
24) 1,1-Dichloroethane	3.623	63	48463	18.383	ug/l	99
25) 2-Butanone	4.568	43	63065m	80.090	ug/l	
26) 2,2-Dichloropropane	4.489	77	33595	17.473	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	30937	18.459	ug/l	99
28) Bromochloromethane	4.910	49	24187	20.238	ug/l	99
29) Tetrahydrofuran	5.013	42	39437	77.540	ug/l	99
30) Chloroform	5.105	83	50023	18.974	ug/l	100
31) Cyclohexane	5.489	56	46034	18.414	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	42194	18.249	ug/l	99
36) 1,1-Dichloropropene	5.702	75	34769	18.393	ug/l	98
37) Ethyl Acetate	4.727	43	29091m	16.672	ug/l	
38) Carbon Tetrachloride	5.684	117	37276	18.170	ug/l	98
39) Methylcyclohexane	7.385	83	45496	18.289	ug/l	97
40) Benzene	6.050	78	107324	19.184	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	17152	18.438	ug/l	93
42) 1,2-Dichloroethane	6.092	62	36923	18.781	ug/l	97
43) Isopropyl Acetate	6.348	43	47152	17.269	ug/l	99
44) Trichloroethene	7.135	130	27024	18.954	ug/l	94
45) 1,2-Dichloropropane	7.434	63	27100	19.546	ug/l	98
46) Dibromomethane	7.586	93	18189	18.254	ug/l	99
47) Bromodichloromethane	7.824	83	39394	19.373	ug/l	100
48) Methyl methacrylate	7.696	41	24127	17.619	ug/l	99
49) 1,4-Dioxane	7.665	88	5621	302.408	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	139590	85.717	ug/l	98
52) Toluene	8.720	92	67054	19.334	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	34782	18.435	ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	39974	18.663	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	25004	19.346	ug/l	96
56) Ethyl methacrylate	9.116	69	34109	17.877	ug/l	99
57) 1,3-Dichloropropane	9.311	76	43248	19.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	96768	97.638	ug/l	99
59) 2-Hexanone	9.427	43	92283	81.968	ug/l	99
60) Dibromochloromethane	9.519	129	29076	19.089	ug/l	100
61) 1,2-Dibromoethane	9.610	107	25121	19.108	ug/l	100
64) Tetrachloroethene	9.275	164	22518	17.854	ug/l	98
65) Chlorobenzene	10.079	112	75459	18.778	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.165	131	25391	18.800	ug/l	99
67) Ethyl Benzene	10.195	91	131355	18.708	ug/l	98
68) m/p-Xylenes	10.299	106	99811	38.150	ug/l	99
69) o-Xylene	10.640	106	47475	19.363	ug/l	96
70) Styrene	10.653	104	81295	18.946	ug/l	99
71) Bromoform	10.799	173	17909	17.412	ug/l #	99
73) Isopropylbenzene	10.957	105	127763	18.421	ug/l	100
74) N-amyl acetate	10.842	43	42248	16.077	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	33761	17.433	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	26618m	15.432	ug/l	
77) Bromobenzene	11.195	156	29716	17.804	ug/l	98
78) n-propylbenzene	11.299	91	151361	18.373	ug/l	100
79) 2-Chlorotoluene	11.360	91	89555	18.207	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	104782	18.384	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	9153	15.000	ug/l	99
82) 4-Chlorotoluene	11.451	91	103304	17.996	ug/l	99
83) tert-Butylbenzene	11.713	119	105843	17.965	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	105636	18.447	ug/l	99
85) sec-Butylbenzene	11.890	105	137372	18.449	ug/l	100
86) p-Isopropyltoluene	12.006	119	113713	18.100	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	58189	17.880	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	58523	17.508	ug/l	99
89) n-Butylbenzene	12.329	91	108029	18.110	ug/l	100
90) Hexachloroethane	12.536	117	18545	16.857	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	55558	18.269	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	5776	15.107	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	37631	17.405	ug/l	98
94) Hexachlorobutadiene	13.719	225	15522	17.066	ug/l	99
95) Naphthalene	13.774	128	102000	16.559	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	36973	17.875	ug/l	99

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

