

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080625\
 Data File : VX047242.D
 Acq On : 06 Aug 2025 12:45
 Operator : JC/MD
 Sample : VX0806WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0806WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/07/2025
 Supervised By : Mahesh Dadoda 08/07/2025

Quant Time: Aug 07 01:15:48 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	5.556	168	233925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	394959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358864	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	183022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140339	48.161	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.320%		
35) Dibromofluoromethane	5.391	113	120548	49.433	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.860%		
50) Toluene-d8	8.647	98	354030	44.829	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	89.660%#		
62) 4-Bromofluorobenzene	11.079	95	169565	49.823	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.640%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	54789	17.633	ug/l	95
3) Chloromethane	1.313	50	49695	16.169	ug/l	96
4) Vinyl Chloride	1.392	62	61406	18.586	ug/l	99
5) Bromomethane	1.630	94	31995	17.827	ug/l	98
6) Chloroethane	1.709	64	36960	17.033	ug/l	96
7) Trichlorofluoromethane	1.904	101	95137	19.311	ug/l	100
8) Diethyl Ether	2.142	74	35975	20.711	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	57083	19.232	ug/l	99
10) Methyl Iodide	2.471	142	83007	27.440	ug/l	99
11) Tert butyl alcohol	2.959	59	33920	93.123	ug/l	95
12) 1,1-Dichloroethene	2.337	96	55026	18.718	ug/l	96
13) Acrolein	2.252	56	34780	55.433	ug/l	99
14) Allyl chloride	2.678	41	95485	17.968	ug/l	94
15) Acrylonitrile	3.081	53	146919	105.716	ug/l	100
16) Acetone	2.386	43	126758	108.587	ug/l	92
17) Carbon Disulfide	2.532	76	127797	15.027	ug/l	97
18) Methyl Acetate	2.715	43	82601	26.627	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	194898	21.784	ug/l	97
20) Methylene Chloride	2.800	84	62810	19.558	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	58449	19.429	ug/l	99
22) Diisopropyl ether	3.764	45	217698	21.308	ug/l	91
23) Vinyl Acetate	3.733	43	854565	104.285	ug/l	99
24) 1,1-Dichloroethane	3.623	63	116052	20.427	ug/l	98
25) 2-Butanone	4.568	43	184445	108.513	ug/l	93
26) 2,2-Dichloropropane	4.483	77	88668	20.162	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	73090	20.518	ug/l	99
28) Bromochloromethane	4.904	49	54587	20.885	ug/l	99
29) Tetrahydrofuran	5.019	42	110209	100.491	ug/l	99
30) Chloroform	5.099	83	123260	21.314	ug/l	98
31) Cyclohexane	5.483	56	96660	17.744	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	101742	20.255	ug/l	100
36) 1,1-Dichloropropene	5.702	75	77067	18.540	ug/l	98
37) Ethyl Acetate	4.721	43	80458	21.006	ug/l	99
38) Carbon Tetrachloride	5.690	117	86860	19.578	ug/l	98
39) Methylcyclohexane	7.385	83	93103	17.939	ug/l	98
40) Benzene	6.044	78	243119	20.210	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	42088	21.015	ug/l #	92
42) 1,2-Dichloroethane	6.092	62	92104	21.735	ug/l	100
43) Isopropyl Acetate	6.348	43	131324	21.992	ug/l	99
44) Trichloroethene	7.135	130	59696	19.351	ug/l	88
45) 1,2-Dichloropropane	7.434	63	63313	21.014	ug/l	97
46) Dibromomethane	7.586	93	45693	21.626	ug/l	99
47) Bromodichloromethane	7.824	83	96219	21.395	ug/l	97
48) Methyl methacrylate	7.696	41	66417	20.417	ug/l	98
49) 1,4-Dioxane	7.720	88	14756	398.826	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	395837	111.526	ug/l	99
52) Toluene	8.720	92	154439	20.879	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	89521	21.080	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	97917	21.066	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	62108	22.389	ug/l	98
56) Ethyl methacrylate	9.116	69	92306	22.477	ug/l	97
57) 1,3-Dichloropropane	9.305	76	105403	21.863	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	225211	98.550	ug/l	100
59) 2-Hexanone	9.433	43	270667	115.425	ug/l	99
60) Dibromochloromethane	9.519	129	70744	21.744	ug/l	97
61) 1,2-Dibromoethane	9.610	107	62358	21.498	ug/l	99
64) Tetrachloroethene	9.275	164	49354	19.078	ug/l	97
65) Chlorobenzene	10.079	112	172061	20.466	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	60074	21.224	ug/l	99
67) Ethyl Benzene	10.195	91	300915	20.471	ug/l	98
68) m/p-Xylenes	10.299	106	225310	40.960	ug/l	99
69) o-Xylene	10.640	106	111166	21.243	ug/l	97
70) Styrene	10.653	104	190784	21.261	ug/l	98
71) Bromoform	10.799	173	47404	22.048	ug/l #	96
73) Isopropylbenzene	10.957	105	289524	20.051	ug/l	100
74) N-amyl acetate	10.842	43	117252	20.126	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	88876	21.548	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	71411m	21.080	ug/l	
77) Bromobenzene	11.195	156	73600	21.251	ug/l	96
78) n-propylbenzene	11.299	91	348595	20.203	ug/l	100
79) 2-Chlorotoluene	11.360	91	207758	20.143	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	240720	20.179	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	19096	14.523	ug/l	93
82) 4-Chlorotoluene	11.451	91	248458	20.638	ug/l	99
83) tert-Butylbenzene	11.713	119	243063	20.301	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	245711	20.651	ug/l	97
85) sec-Butylbenzene	11.890	105	296754	19.837	ug/l	100
86) p-Isopropyltoluene	12.006	119	248975	20.069	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	133195	20.241	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	136061	20.408	ug/l	99
89) n-Butylbenzene	12.329	91	230685	19.828	ug/l	98
90) Hexachloroethane	12.536	117	43624	19.656	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	131282	20.874	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16936	21.392	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	85855	20.661	ug/l	100
94) Hexachlorobutadiene	13.719	225	29690	21.009	ug/l	96
95) Naphthalene	13.774	128	261073	21.431	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	81546	20.370	ug/l	98

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

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