

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082925\
 Data File : VX047561.D
 Acq On : 29 Aug 2025 11:29
 Operator : JC/MD
 Sample : VX0829WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0829WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/02/2025
 Supervised By : Semsettin Yesilyurt 09/03/2025

Quant Time: Aug 29 23:51:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	238310	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	414972	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	372504	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	184959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	172139	47.038	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.080%		
35) Dibromofluoromethane	5.391	113	136803	48.033	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.060%		
50) Toluene-d8	8.647	98	482880	48.370	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.740%		
62) 4-Bromofluorobenzene	11.079	95	184241	49.126	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.260%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	47115	18.053	ug/l	99
3) Chloromethane	1.313	50	47681	16.728	ug/l	93
4) Vinyl Chloride	1.392	62	58806	17.551	ug/l	100
5) Bromomethane	1.630	94	28951	19.977	ug/l	93
6) Chloroethane	1.709	64	39850	18.719	ug/l	94
7) Trichlorofluoromethane	1.904	101	88022	18.470	ug/l	94
8) Diethyl Ether	2.148	74	34320	18.150	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	52657	18.553	ug/l	98
10) Methyl Iodide	2.471	142	77701	16.539	ug/l	97
11) Tert butyl alcohol	2.959	59	28236	83.943	ug/l	100
12) 1,1-Dichloroethene	2.337	96	53512	17.781	ug/l	96
13) Acrolein	2.252	56	54315	80.551	ug/l	96
14) Allyl chloride	2.678	41	98637	17.891	ug/l	98
15) Acrylonitrile	3.081	53	133241	88.521	ug/l	98
16) Acetone	2.392	43	119513	82.459	ug/l	98
17) Carbon Disulfide	2.526	76	157999	17.656	ug/l	99
18) Methyl Acetate	2.715	43	63366	17.733	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	177564	18.076	ug/l	97
20) Methylene Chloride	2.800	84	64216	17.412	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	58493	18.264	ug/l	93
22) Diisopropyl ether	3.770	45	208150	18.746	ug/l	89
23) Vinyl Acetate	3.733	43	829387	91.729	ug/l	100
24) 1,1-Dichloroethane	3.623	63	111636	18.093	ug/l	99
25) 2-Butanone	4.562	43	167735	87.939	ug/l	95
26) 2,2-Dichloropropane	4.489	77	82028	18.393	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	70075	17.958	ug/l	99
28) Bromochloromethane	4.910	49	49766	18.691	ug/l	98
29) Tetrahydrofuran	5.019	42	101984	86.159	ug/l	99
30) Chloroform	5.105	83	113884	18.126	ug/l	97
31) Cyclohexane	5.489	56	96098	18.675	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	94442	18.450	ug/l	99
36) 1,1-Dichloropropene	5.702	75	78252	19.306	ug/l	99
37) Ethyl Acetate	4.727	43	78027	19.531	ug/l	98
38) Carbon Tetrachloride	5.684	117	82746	18.398	ug/l	98
39) Methylcyclohexane	7.379	83	92040	19.690	ug/l	96
40) Benzene	6.044	78	238732	18.449	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	38376	20.283	ug/l	98
42) 1,2-Dichloroethane	6.092	62	85532	18.361	ug/l	99
43) Isopropyl Acetate	6.342	43	120057	18.702	ug/l	99
44) Trichloroethene	7.129	130	59784	18.646	ug/l	95
45) 1,2-Dichloropropane	7.434	63	59261	18.181	ug/l	98
46) Dibromomethane	7.580	93	44266	18.448	ug/l	98
47) Bromodichloromethane	7.824	83	91210	18.587	ug/l	99
48) Methyl methacrylate	7.696	41	60616	18.356	ug/l	98
49) 1,4-Dioxane	7.683	88	12516	383.149	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	353373	93.167	ug/l	99
52) Toluene	8.720	92	149613	18.972	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	81987	18.545	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	92134	18.809	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	57431	18.668	ug/l	99
56) Ethyl methacrylate	9.116	69	85658	18.809	ug/l	100
57) 1,3-Dichloropropane	9.305	76	100569	18.881	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	199294	102.330	ug/l	99
59) 2-Hexanone	9.427	43	237487	91.656	ug/l	99
60) Dibromochloromethane	9.519	129	68812	18.723	ug/l	99
61) 1,2-Dibromoethane	9.610	107	60047	19.180	ug/l	100
64) Tetrachloroethene	9.275	164	49533	19.848	ug/l	94
65) Chlorobenzene	10.079	112	167168	19.170	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	55640	18.816	ug/l	98
67) Ethyl Benzene	10.195	91	284675	19.427	ug/l	99
68) m/p-Xylenes	10.299	106	219405	40.313	ug/l	98
69) o-Xylene	10.640	106	103690	19.777	ug/l	99
70) Styrene	10.652	104	180297	19.819	ug/l	99
71) Bromoform	10.799	173	43704	19.410	ug/l #	100
73) Isopropylbenzene	10.957	105	271297	19.934	ug/l	99
74) N-amyl acetate	10.841	43	104394	18.574	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	82106	19.084	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	64822m	19.637	ug/l	
77) Bromobenzene	11.195	156	67488	19.384	ug/l	98
78) n-propylbenzene	11.299	91	321157	19.820	ug/l	100
79) 2-Chlorotoluene	11.360	91	196605	19.564	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	227135	20.411	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	11826	19.507	ug/l	95
82) 4-Chlorotoluene	11.451	91	232287	19.700	ug/l	100
83) tert-Butylbenzene	11.713	119	222420	19.827	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	228228	20.120	ug/l	99
85) sec-Butylbenzene	11.890	105	275685	20.424	ug/l	99
86) p-Isopropyltoluene	12.006	119	229492	20.283	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	127668	19.668	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	130699	19.501	ug/l	100
89) n-Butylbenzene	12.329	91	213086	20.405	ug/l	99
90) Hexachloroethane	12.536	117	39843	19.157	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	122097	19.195	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14719	18.548	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	78076	20.137	ug/l	99
94) Hexachlorobutadiene	13.725	225	27630	20.502	ug/l	98
95) Naphthalene	13.774	128	221986	19.586	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	73079	20.065	ug/l	98

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

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