

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047508.D
 Acq On : 22 Aug 2025 18:51
 Operator : JC/MD
 Sample : Q2903-06MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6B-081925MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/25/2025
 Supervised By : Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 25 01:33:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 18 04:18:28 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	156491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	296002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	277028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	139791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	159623	72.883	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 145.760%#			
35) Dibromofluoromethane	5.397	113	123140	64.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 128.200%#			
50) Toluene-d8	8.653	98	417238	60.765	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 121.520%#			
62) 4-Bromofluorobenzene	11.079	95	165026	65.128	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 130.260%#			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	87555	43.890	ug/l	99
3) Chloromethane	1.313	50	87155	48.565	ug/l	97
4) Vinyl Chloride	1.392	62	111167	49.353	ug/l #	85
5) Bromomethane	1.624	94	42049	46.217	ug/l	98
6) Chloroethane	1.703	64	75404	54.714	ug/l	97
7) Trichlorofluoromethane	1.904	101	157400	47.242	ug/l	99
8) Diethyl Ether	2.148	74	72750	62.012	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	90826	46.994	ug/l	98
10) Methyl Iodide	2.471	142	143645	43.370	ug/l	99
11) Tert butyl alcohol	2.965	59	71673	376.177	ug/l	100
12) 1,1-Dichloroethene	2.337	96	99809	50.656	ug/l	96
13) Acrolein	2.251	56	141815	352.598	ug/l	98
14) Allyl chloride	2.684	41	196358	57.377	ug/l	98
15) Acrylonitrile	3.081	53	311493	338.332	ug/l	99
16) Acetone	2.392	43	248060	301.324	ug/l	100
17) Carbon Disulfide	2.532	76	303326	51.016	ug/l	99
18) Methyl Acetate	2.715	43	156995	73.592	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	390161	65.090	ug/l	99
20) Methylene Chloride	2.806	84	129835	59.559	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	113453	54.251	ug/l	97
22) Diisopropyl ether	3.769	45	439205	64.926	ug/l #	83
23) Vinyl Acetate	3.733	43	1796631	324.031	ug/l	99
24) 1,1-Dichloroethane	3.623	63	227966	59.621	ug/l	97
25) 2-Butanone	4.568	43	381483	353.825	ug/l	97
26) 2,2-Dichloropropane	4.495	77	143385	49.685	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	146393	60.102	ug/l	97
28) Bromochloromethane	4.916	49	108720	68.331	ug/l	99
29) Tetrahydrofuran	5.025	42	242589	348.116	ug/l	99
30) Chloroform	5.105	83	237452	60.850	ug/l	97
31) Cyclohexane	5.489	56	161903	45.934	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	182562	54.354	ug/l	99
36) 1,1-Dichloropropene	5.702	75	140880	46.456	ug/l	99
37) Ethyl Acetate	4.727	43	164587	52.279	ug/l	98
38) Carbon Tetrachloride	5.696	117	151643	45.759	ug/l	99
39) Methylcyclohexane	7.385	83	152171	40.228	ug/l	93
40) Benzene	6.050	78	493602	54.379	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.946	41	81875	61.671	ug/l	97
42) 1,2-Dichloroethane	6.098	62	184098	57.259	ug/l	99
43) Isopropyl Acetate	6.348	43	274474	60.687	ug/l	99
44) Trichloroethene	7.135	130	115228	49.577	ug/l	96
45) 1,2-Dichloropropane	7.433	63	129597	56.991	ug/l	100
46) Dibromomethane	7.586	93	95411	57.793	ug/l	97
47) Bromodichloromethane	7.824	83	194140	56.725	ug/l	99
48) Methyl methacrylate	7.696	41	143407	61.086	ug/l	98
49) 1,4-Dioxane	7.689	88	29253	1281.801	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	827119	317.796	ug/l	99
52) Toluene	8.720	92	303194	54.056	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	177327	59.366	ug/l	100
54) cis-1,3-Dichloropropene	8.372	75	191373	56.604	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	126611	59.453	ug/l	99
56) Ethyl methacrylate	9.116	69	193540	61.642	ug/l	99
57) 1,3-Dichloropropane	9.305	76	216801	59.744	ug/l	99
59) 2-Hexanone	9.433	43	563695	313.107	ug/l	99
60) Dibromochloromethane	9.518	129	147868	58.426	ug/l	99
61) 1,2-Dibromoethane	9.610	107	128728	58.619	ug/l	99
64) Tetrachloroethene	9.275	164	90142	44.986	ug/l	97
65) Chlorobenzene	10.079	112	341413	51.861	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.165	131	119905	53.880	ug/l	99
67) Ethyl Benzene	10.195	91	566504	49.997	ug/l	100
68) m/p-Xylenes	10.299	106	427277	101.131	ug/l	98
69) o-Xylene	10.640	106	212459	52.255	ug/l	100
70) Styrene	10.652	104	376357	54.783	ug/l	99
71) Bromoform	10.799	173	95629	57.199	ug/l #	99
73) Isopropylbenzene	10.957	105	526680	48.146	ug/l	100
74) N-amyl acetate	10.841	43	237986	57.290	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	183841	57.239	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	144631m	56.410	ug/l	
77) Bromobenzene	11.195	156	139937	52.386	ug/l	99
78) n-propylbenzene	11.299	91	624186	47.776	ug/l	100
79) 2-Chlorotoluene	11.360	91	393762	49.857	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	438352	48.702	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	24114	42.316	ug/l	97
82) 4-Chlorotoluene	11.451	91	462602	49.689	ug/l	99
83) tert-Butylbenzene	11.713	119	444080	49.453	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	458028	50.887	ug/l	99
85) sec-Butylbenzene	11.890	105	518860	46.618	ug/l	100
86) p-Isopropyltoluene	12.006	119	440130	46.731	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	254365	49.844	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	260200	49.575	ug/l	100
89) n-Butylbenzene	12.329	91	395032	45.094	ug/l	100
90) Hexachloroethane	12.536	117	76920	46.554	ug/l	94
91) 1,2-Dichlorobenzene	12.329	146	250687	51.754	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	35212	56.689	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	155439	47.868	ug/l	98
94) Hexachlorobutadiene	13.725	225	49252	42.611	ug/l	97
95) Naphthalene	13.774	128	527913	56.889	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	153995	50.311	ug/l	99

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

