

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
 Data File : VX047507.D
 Acq On : 22 Aug 2025 18:30
 Operator : JC/MD
 Sample : Q2903-05MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

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

Quant Time: Aug 25 01:32:22 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	5.568	168	173158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	331997	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	317077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	162431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	158900	65.569	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 131.140%#			
35) Dibromofluoromethane	5.397	113	120730	56.031	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.060%			
50) Toluene-d8	8.647	98	395469	51.350	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.700%			
62) 4-Bromofluorobenzene	11.079	95	161423	56.799	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.600%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	90761	41.117	ug/l	99
3) Chloromethane	1.313	50	90736	45.694	ug/l	100
4) Vinyl Chloride	1.392	62	113270	45.446	ug/l #	88
5) Bromomethane	1.624	94	36337	36.094	ug/l	98
6) Chloroethane	1.703	64	72453	47.512	ug/l	96
7) Trichlorofluoromethane	1.904	101	160692	43.588	ug/l	100
8) Diethyl Ether	2.148	74	73515	56.632	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	93249	43.604	ug/l	99
10) Methyl Iodide	2.471	142	112632	30.733	ug/l	98
11) Tert butyl alcohol	2.965	59	69795	331.061	ug/l	99
12) 1,1-Dichloroethene	2.337	96	101175	46.406	ug/l	99
13) Acrolein	2.252	56	147630	331.726	ug/l	99
14) Allyl chloride	2.685	41	191072	50.458	ug/l	99
15) Acrylonitrile	3.081	53	312537	306.791	ug/l	98
16) Acetone	2.392	43	255946	280.978	ug/l	99
17) Carbon Disulfide	2.532	76	302629	45.999	ug/l	99
18) Methyl Acetate	2.715	43	159732	67.668	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	378672	57.093	ug/l	100
20) Methylene Chloride	2.806	84	130220	53.986	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	113359	48.988	ug/l	100
22) Diisopropyl ether	3.770	45	434197	58.008	ug/l	86
23) Vinyl Acetate	3.733	43	1780737	290.252	ug/l	100
24) 1,1-Dichloroethane	3.623	63	226833	53.614	ug/l	97
25) 2-Butanone	4.568	43	382669	320.763	ug/l	99
26) 2,2-Dichloropropane	4.489	77	140245	43.919	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	144848	53.744	ug/l	98
28) Bromochloromethane	4.916	49	111005	63.052	ug/l	98
29) Tetrahydrofuran	5.026	42	239740	310.914	ug/l	99
30) Chloroform	5.105	83	235720	54.592	ug/l	98
31) Cyclohexane	5.483	56	160442	41.138	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	181622	48.869	ug/l	99
36) 1,1-Dichloropropene	5.708	75	141812	41.693	ug/l	99
37) Ethyl Acetate	4.721	43	164547	46.599	ug/l	98
38) Carbon Tetrachloride	5.690	117	153501	41.298	ug/l	96
39) Methylcyclohexane	7.385	83	152971	36.055	ug/l	96
40) Benzene	6.050	78	484809	47.620	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	82265	55.247	ug/l	98
42) 1,2-Dichloroethane	6.092	62	183152	50.788	ug/l	99
43) Isopropyl Acetate	6.349	43	268525	52.935	ug/l	99
44) Trichloroethene	7.129	130	114138	43.784	ug/l	100
45) 1,2-Dichloropropane	7.434	63	125167	49.075	ug/l	99
46) Dibromomethane	7.586	93	92378	49.889	ug/l	98
47) Bromodichloromethane	7.824	83	191536	49.896	ug/l	99
48) Methyl methacrylate	7.696	41	139601	53.018	ug/l	99
49) 1,4-Dioxane	7.690	88	26599	1039.145	ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	818771	280.481	ug/l	98
52) Toluene	8.720	92	294400	46.797	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	166844	49.801	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	182725	48.186	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	124718	52.215	ug/l	96
56) Ethyl methacrylate	9.116	69	186628	52.996	ug/l	98
57) 1,3-Dichloropropane	9.305	76	208808	51.303	ug/l	100
59) 2-Hexanone	9.433	43	553034	273.881	ug/l	99
60) Dibromochloromethane	9.519	129	143176	50.439	ug/l	99
61) 1,2-Dibromoethane	9.610	107	125162	50.815	ug/l	98
64) Tetrachloroethene	9.275	164	88215	38.464	ug/l	99
65) Chlorobenzene	10.080	112	328702	43.623	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	116073	45.570	ug/l	99
67) Ethyl Benzene	10.195	91	551500	42.525	ug/l	99
68) m/p-Xylenes	10.299	106	417760	86.390	ug/l	99
69) o-Xylene	10.640	106	204021	43.841	ug/l	100
70) Styrene	10.653	104	365681	46.506	ug/l	99
71) Bromoform	10.799	173	94293	49.276	ug/l #	98
73) Isopropylbenzene	10.964	105	510097	40.130	ug/l	100
74) N-amyl acetate	10.842	43	229484	47.543	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	177255	47.496	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	142477m	47.824	ug/l	
77) Bromobenzene	11.195	156	133807	43.109	ug/l	99
78) n-propylbenzene	11.299	91	600632	39.565	ug/l	100
79) 2-Chlorotoluene	11.360	91	378040	41.195	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	431237	41.233	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	22855	35.967	ug/l	96
82) 4-Chlorotoluene	11.451	91	442783	40.931	ug/l	100
83) tert-Butylbenzene	11.713	119	426051	40.833	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	438214	41.900	ug/l	100
85) sec-Butylbenzene	11.890	105	501503	38.778	ug/l	100
86) p-Isopropyltoluene	12.006	119	421390	38.505	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	247362	41.716	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	249347	40.885	ug/l	100
89) n-Butylbenzene	12.329	91	384457	37.770	ug/l	100
90) Hexachloroethane	12.536	117	71806	37.401	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	241873	42.975	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34229	47.426	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	151386	40.122	ug/l	98
94) Hexachlorobutadiene	13.719	225	43392	32.309	ug/l	97
95) Naphthalene	13.774	128	504429	46.781	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	146250	41.121	ug/l	99

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

