

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
 Data File : VX046753.D
 Acq On : 18 Jun 2025 18:58
 Operator : JC/MD
 Sample : Q2345-08MS
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPOW6-5-20250616MS

Quant Time: Jun 19 01:29:16 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/19/2025
 Supervised By : Mahesh Dadoda 06/21/2025

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	143057	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	240999	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	107663	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100125	50.601	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.200%			
35) Dibromofluoromethane	5.397	113	83040	52.078	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.160%			
50) Toluene-d8	8.653	98	294034	51.326	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.660%			
62) 4-Bromofluorobenzene	11.079	95	112496	52.679	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	76008	49.766	ug/l	99
3) Chloromethane	1.307	50	81165	49.235	ug/l	98
4) Vinyl Chloride	1.386	62	88213	50.179	ug/l	96
5) Bromomethane	1.624	94	51420	51.989	ug/l	97
6) Chloroethane	1.703	64	53067	49.805	ug/l	99
7) Trichlorofluoromethane	1.904	101	131050	49.095	ug/l	99
8) Diethyl Ether	2.148	74	45738	49.928	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	79258	48.400	ug/l	98
10) Methyl Iodide	2.471	142	86957	43.078	ug/l	99
11) Tert butyl alcohol	2.959	59	32255	181.614	ug/l	100
12) 1,1-Dichloroethene	2.337	96	79512	50.320	ug/l	96
13) Acrolein	2.245	56	50890	196.722	ug/l	98
14) Allyl chloride	2.678	41	136995	47.851	ug/l	99
15) Acrylonitrile	3.075	53	184725	231.310	ug/l	99
16) Acetone	2.386	43	137459	208.316	ug/l	99
17) Carbon Disulfide	2.532	76	220641	46.240	ug/l	99
18) Methyl Acetate	2.715	43	74547	44.481	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	226770	46.091	ug/l	100
20) Methylene Chloride	2.800	84	87325	47.587	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	82513	48.802	ug/l	97
22) Diisopropyl ether	3.769	45	275002	49.974	ug/l	99
23) Vinyl Acetate	3.733	43	1000170	228.560	ug/l	100
24) 1,1-Dichloroethane	3.623	63	151111	48.365	ug/l	98
25) 2-Butanone	4.562	43	209888	224.903	ug/l	97
26) 2,2-Dichloropropane	4.489	77	95144	41.752	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	96805	48.734	ug/l	98
28) Bromochloromethane	4.910	49	75384	53.219	ug/l	100
29) Tetrahydrofuran	5.013	42	139690	231.740	ug/l	98
30) Chloroform	5.105	83	154343	49.396	ug/l	95
31) Cyclohexane	5.483	56	139222	46.988	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	130295	47.547	ug/l	99
36) 1,1-Dichloropropene	5.708	75	107903	46.878	ug/l	99
37) Ethyl Acetate	4.721	43	88092	41.462	ug/l	97
38) Carbon Tetrachloride	5.690	117	114481	45.829	ug/l	97
39) Methylcyclohexane	7.385	83	138147	45.609	ug/l	97
40) Benzene	6.043	78	326964	47.998	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	56237	49.649	ug/l	93
42) 1,2-Dichloroethane	6.092	62	112027	46.799	ug/l	99
43) Isopropyl Acetate	6.342	43	145020	43.619	ug/l	100
44) Trichloroethene	7.129	130	81750	47.090	ug/l	99
45) 1,2-Dichloropropane	7.433	63	80645	47.769	ug/l	95
46) Dibromomethane	7.586	93	57324	47.246	ug/l	99
47) Bromodichloromethane	7.824	83	118579	47.892	ug/l	99
48) Methyl methacrylate	7.696	41	79176	47.484	ug/l	99
49) 1,4-Dioxane	7.659	88	17262	719.791	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	455997	229.964	ug/l	99
52) Toluene	8.720	92	203758	48.249	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	106926	46.544	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	119567	45.847	ug/l	97
55) 1,1,2-Trichloroethane	9.153	97	74068	47.065	ug/l	98
56) Ethyl methacrylate	9.116	69	109702	47.221	ug/l	99
57) 1,3-Dichloropropane	9.305	76	129477	47.775	ug/l	100
59) 2-Hexanone	9.427	43	307148	224.056	ug/l	100
60) Dibromochloromethane	9.518	129	88044	47.473	ug/l	99
61) 1,2-Dibromoethane	9.610	107	76228	47.618	ug/l	99
64) Tetrachloroethene	9.275	164	66644	44.627	ug/l	99
65) Chlorobenzene	10.079	112	222717	46.808	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	74860	46.814	ug/l	99
67) Ethyl Benzene	10.195	91	387344	46.592	ug/l	99
68) m/p-Xylenes	10.299	106	294272	94.996	ug/l	99
69) o-Xylene	10.640	106	140037	48.237	ug/l	98
70) Styrene	10.652	104	242311	47.694	ug/l	99
71) Bromoform	10.799	173	54530	44.776	ug/l #	98
73) Isopropylbenzene	10.957	105	373743	47.134	ug/l	100
74) N-amyl acetate	10.841	43	129233	43.017	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	101482	45.835	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	92626m	46.974	ug/l	
77) Bromobenzene	11.195	156	88274	46.262	ug/l	97
78) n-propylbenzene	11.305	91	441193	46.845	ug/l	100
79) 2-Chlorotoluene	11.360	91	259099	46.077	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	304450	46.723	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28127	40.319	ug/l	100
82) 4-Chlorotoluene	11.451	91	298520	45.488	ug/l	99
83) tert-Butylbenzene	11.713	119	311816	46.294	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	300943	45.969	ug/l	100
85) sec-Butylbenzene	11.890	105	395643	46.478	ug/l	99
86) p-Isopropyltoluene	12.006	119	327245	45.563	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	164088	44.104	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	165148	43.216	ug/l	99
89) n-Butylbenzene	12.329	91	308237	45.200	ug/l	100
90) Hexachloroethane	12.536	117	56259	44.731	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	159052	45.747	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18614	42.584	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	108363	43.840	ug/l	98
94) Hexachlorobutadiene	13.719	225	45456	43.717	ug/l	99
95) Naphthalene	13.774	128	315902	44.859	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	106849	45.185	ug/l	100

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

