

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
 Data File : VX046754.D
 Acq On : 18 Jun 2025 19:19
 Operator : JC/MD
 Sample : Q2345-09MSD
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BPOW6-5-20250616MSD

Quant Time: Jun 19 01:30:16 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	136146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229178	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	102802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	94570	50.219	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.440%			
35) Dibromofluoromethane	5.397	113	77727	51.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.520%			
50) Toluene-d8	8.653	98	279885	51.376	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.760%			
62) 4-Bromofluorobenzene	11.079	95	106632	52.509	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.020%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.179	85	71499	49.190	ug/l	100
3) Chloromethane	1.307	50	75717	48.261	ug/l	99
4) Vinyl Chloride	1.386	62	82735	49.452	ug/l	96
5) Bromomethane	1.624	94	51332	54.534	ug/l	98
6) Chloroethane	1.703	64	51273	50.564	ug/l	97
7) Trichlorofluoromethane	1.904	101	121673	47.896	ug/l	98
8) Diethyl Ether	2.148	74	43167	49.514	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	73891	47.413	ug/l	99
10) Methyl Iodide	2.471	142	91117	46.992	ug/l	100
11) Tert butyl alcohol	2.959	59	31958	189.076	ug/l	99
12) 1,1-Dichloroethene	2.337	96	74340	49.435	ug/l	98
13) Acrolein	2.246	56	49290	200.209	ug/l	99
14) Allyl chloride	2.678	41	129854	47.659	ug/l	99
15) Acrylonitrile	3.075	53	177351	233.349	ug/l	99
16) Acetone	2.386	43	130426	207.691	ug/l	98
17) Carbon Disulfide	2.526	76	207359	45.662	ug/l	99
18) Methyl Acetate	2.715	43	68754	43.107	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	218922	46.754	ug/l	99
20) Methylene Chloride	2.800	84	81126	46.453	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	76658	47.641	ug/l	99
22) Diisopropyl ether	3.770	45	262340	50.093	ug/l	96
23) Vinyl Acetate	3.733	43	965332	231.797	ug/l	99
24) 1,1-Dichloroethane	3.623	63	144398	48.562	ug/l	99
25) 2-Butanone	4.562	43	200792	226.078	ug/l	96
26) 2,2-Dichloropropane	4.489	77	90561	41.759	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	92038	48.686	ug/l	99
28) Bromochloromethane	4.910	49	75253	55.824	ug/l	99
29) Tetrahydrofuran	5.013	42	130955	228.277	ug/l	99
30) Chloroform	5.105	83	148146	49.820	ug/l	95
31) Cyclohexane	5.483	56	133192	47.234	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	126773	48.610	ug/l	99
36) 1,1-Dichloropropene	5.702	75	104116	47.566	ug/l	100
37) Ethyl Acetate	4.721	43	84018	41.584	ug/l	98
38) Carbon Tetrachloride	5.690	117	111625	46.991	ug/l	99
39) Methylcyclohexane	7.385	83	133155	46.228	ug/l	97
40) Benzene	6.050	78	314925	48.615	ug/l	100

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41) Methacrylonitrile	4.934	41	52495	48.736	ug/l	95
42) 1,2-Dichloroethane	6.092	62	108485	47.657	ug/l	99
43) Isopropyl Acetate	6.348	43	140603	44.472	ug/l	99
44) Trichloroethene	7.129	130	79238	47.998	ug/l	99
45) 1,2-Dichloropropane	7.434	63	79040	49.233	ug/l	97
46) Dibromomethane	7.586	93	55469	48.075	ug/l	99
47) Bromodichloromethane	7.824	83	114825	48.767	ug/l	99
48) Methyl methacrylate	7.696	41	77040	48.587	ug/l	98
49) 1,4-Dioxane	7.659	88	17811	778.593	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	438885	232.751	ug/l	99
52) Toluene	8.720	92	195988	48.803	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	105565	48.322	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	119051	48.004	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	72658	48.550	ug/l	99
56) Ethyl methacrylate	9.116	69	108226	48.989	ug/l	100
57) 1,3-Dichloropropane	9.305	76	126284	49.000	ug/l	99
59) 2-Hexanone	9.427	43	296453	227.408	ug/l	100
60) Dibromochloromethane	9.519	129	85100	48.252	ug/l	100
61) 1,2-Dibromoethane	9.610	107	73799	48.479	ug/l	100
64) Tetrachloroethene	9.275	164	64553	44.698	ug/l	97
65) Chlorobenzene	10.079	112	215369	46.805	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	73173	47.316	ug/l	99
67) Ethyl Benzene	10.195	91	378857	47.122	ug/l	99
68) m/p-Xylenes	10.299	106	284493	94.966	ug/l	98
69) o-Xylene	10.640	106	138291	49.257	ug/l	97
70) Styrene	10.653	104	238827	48.609	ug/l	99
71) Bromoform	10.799	173	54094	45.930	ug/l #	98
73) Isopropylbenzene	10.963	105	364190	48.101	ug/l	100
74) N-amyl acetate	10.842	43	127025	44.281	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	99601	47.113	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	90747m	48.197	ug/l	
77) Bromobenzene	11.195	156	86823	47.653	ug/l	98
78) n-propylbenzene	11.305	91	431403	47.971	ug/l	99
79) 2-Chlorotoluene	11.360	91	251143	46.774	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	296303	47.623	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	28498	42.782	ug/l	97
82) 4-Chlorotoluene	11.451	91	295188	47.107	ug/l	99
83) tert-Butylbenzene	11.713	119	305236	47.460	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	298376	47.732	ug/l	99
85) sec-Butylbenzene	11.890	105	384840	47.347	ug/l	100
86) p-Isopropyltoluene	12.006	119	319898	46.646	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	159621	44.932	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	160122	43.882	ug/l	100
89) n-Butylbenzene	12.329	91	301016	46.228	ug/l	100
90) Hexachloroethane	12.536	117	55160	45.931	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	155619	46.876	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18501	44.327	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	107118	45.385	ug/l	98
94) Hexachlorobutadiene	13.719	225	45542	45.870	ug/l	97
95) Naphthalene	13.774	128	315148	46.868	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	105398	46.678	ug/l	99

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

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