

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061825\
 Data File : VX046732.D
 Acq On : 18 Jun 2025 11:29
 Operator : JC/MD
 Sample : VX0618WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0618WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Jun 19 01:21:07 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

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	143671	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	237031	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	217627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	112227	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	99370	50.004	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	100.000%
35) Dibromofluoromethane	5.397	113	79532	50.713	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.420%
50) Toluene-d8	8.647	98	290720	51.597	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.200%
62) 4-Bromofluorobenzene	11.079	95	115010	54.758	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	109.520%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	28867	18.820	ug/l	98
3) Chloromethane	1.307	50	31560	19.062	ug/l	95
4) Vinyl Chloride	1.386	62	32369	18.334	ug/l	94
5) Bromomethane	1.624	94	21377	21.521	ug/l	99
6) Chloroethane	1.703	64	21136	19.752	ug/l	93
7) Trichlorofluoromethane	1.904	101	50345	18.780	ug/l	100
8) Diethyl Ether	2.148	74	17118	18.606	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	30968	18.830	ug/l	98
10) Methyl Iodide	2.465	142	33151	19.041	ug/l	100
11) Tert butyl alcohol	2.959	59	14692	82.371	ug/l	98
12) 1,1-Dichloroethene	2.337	96	29742	18.742	ug/l	96
13) Acrolein	2.246	56	22501	86.609	ug/l	98
14) Allyl chloride	2.678	41	53312	18.542	ug/l	100
15) Acrylonitrile	3.075	53	76235	95.052	ug/l	99
16) Acetone	2.386	43	59789	90.221	ug/l	99
17) Carbon Disulfide	2.526	76	82175	17.148	ug/l	98
18) Methyl Acetate	2.715	43	31652	18.805	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	92521	18.724	ug/l	99
20) Methylene Chloride	2.800	84	34010	18.454	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	31742	18.694	ug/l	98
22) Diisopropyl ether	3.770	45	109177	19.755	ug/l	98
23) Vinyl Acetate	3.733	43	424786	96.658	ug/l	100
24) 1,1-Dichloroethane	3.623	63	58371	18.602	ug/l	99
25) 2-Butanone	4.562	43	89207	95.180	ug/l	94
26) 2,2-Dichloropropane	4.489	77	43533	19.022	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	37667	18.882	ug/l	98
28) Bromochloromethane	4.904	49	32942	23.157	ug/l	99
29) Tetrahydrofuran	5.013	42	58344	96.377	ug/l	98
30) Chloroform	5.105	83	60720	19.350	ug/l	98
31) Cyclohexane	5.483	56	55444	18.633	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	51541	18.728	ug/l	99
36) 1,1-Dichloropropene	5.702	75	41172	18.187	ug/l	96
37) Ethyl Acetate	4.727	43	32807	15.700	ug/l	# 96
38) Carbon Tetrachloride	5.684	117	45398	18.478	ug/l	100
39) Methylcyclohexane	7.385	83	55788	18.727	ug/l	97
40) Benzene	6.050	78	128420	19.167	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	21390	19.201	ug/l	99
42) 1,2-Dichloroethane	6.099	62	45281	19.233	ug/l	99
43) Isopropyl Acetate	6.349	43	63119	19.303	ug/l	100
44) Trichloroethene	7.135	130	32290	18.911	ug/l	91
45) 1,2-Dichloropropane	7.434	63	32025	19.287	ug/l	94
46) Dibromomethane	7.586	93	23282	19.510	ug/l	99
47) Bromodichloromethane	7.824	83	48176	19.783	ug/l	96
48) Methyl methacrylate	7.696	41	32599	19.878	ug/l	99
49) 1,4-Dioxane	7.665	88	8185	361.614	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	194557	99.760	ug/l	98
52) Toluene	8.720	92	80560	19.396	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	43165	19.104	ug/l	98
54) cis-1,3-Dichloropropene	8.373	75	49338	19.235	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	31024	20.043	ug/l	99
56) Ethyl methacrylate	9.116	69	45175	19.771	ug/l	99
57) 1,3-Dichloropropane	9.311	76	53005	19.885	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.245	63	126159	106.292	ug/l	99
59) 2-Hexanone	9.427	43	133520	99.030	ug/l	99
60) Dibromochloromethane	9.519	129	35850	19.654	ug/l	99
61) 1,2-Dibromoethane	9.610	107	30935	19.648	ug/l	97
64) Tetrachloroethene	9.275	164	27728	18.390	ug/l	96
65) Chlorobenzene	10.080	112	89658	18.663	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	30360	18.804	ug/l	98
67) Ethyl Benzene	10.195	91	155654	18.544	ug/l	98
68) m/p-Xylenes	10.299	106	118373	37.847	ug/l	99
69) o-Xylene	10.640	106	57120	19.487	ug/l	98
70) Styrene	10.653	104	97983	19.102	ug/l	99
71) Bromoform	10.799	173	22950	18.665	ug/l #	99
73) Isopropylbenzene	10.964	105	150553	18.215	ug/l	99
74) N-amyl acetate	10.842	43	56993	18.199	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	43433	18.819	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	39612m	19.272	ug/l	
77) Bromobenzene	11.195	156	37441	18.824	ug/l	100
78) n-propylbenzene	11.305	91	180901	18.427	ug/l	99
79) 2-Chlorotoluene	11.360	91	107476	18.336	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	126358	18.603	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	12498	17.187	ug/l	100
82) 4-Chlorotoluene	11.451	91	125018	18.275	ug/l	99
83) tert-Butylbenzene	11.713	119	127909	18.218	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	125952	18.457	ug/l	99
85) sec-Butylbenzene	11.890	105	164310	18.517	ug/l	100
86) p-Isopropyltoluene	12.006	119	137909	18.420	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	69661	17.962	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	71029	17.831	ug/l	98
89) n-Butylbenzene	12.329	91	130323	18.333	ug/l	100
90) Hexachloroethane	12.536	117	22843	17.424	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	67411	18.600	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	8197	17.990	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	45811	17.780	ug/l	98
94) Hexachlorobutadiene	13.719	225	19968	18.423	ug/l	99
95) Naphthalene	13.774	128	133059	18.126	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	45854	18.602	ug/l	98

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

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