

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046685.D
 Acq On : 13 Jun 2025 13:45
 Operator : JC/MD
 Sample : VX0613WBS02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBS02

Quant Time: Jun 13 23:27:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 06 16:56:12 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	70456	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.769	114	119817	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	108883	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57914	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	58680	46.814	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.620%			
35) Dibromofluoromethane	5.391	113	47276	53.654	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.300%			
50) Toluene-d8	8.647	98	154024	53.021	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.040%			
62) 4-Bromofluorobenzene	11.079	95	66322	55.180	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.178	85	16691	17.064	ug/l	98
3) Chloromethane	1.307	50	14058	15.790	ug/l	99
4) Vinyl Chloride	1.386	62	14163	15.958	ug/l	100
5) Bromomethane	1.624	94	4484	8.322	ug/l	93
6) Chloroethane	1.703	64	10209	17.729	ug/l	100
7) Trichlorofluoromethane	1.904	101	26378	17.963	ug/l	100
8) Diethyl Ether	2.142	74	9609	18.520	ug/l	85
9) 1,1,2-Trichlorotrifluo...	2.343	101	18396	19.884	ug/l	95
10) Methyl Iodide	2.465	142	9237	9.210	ug/l	99
11) Tert butyl alcohol	2.965	59	13171	94.694	ug/l	98
12) 1,1-Dichloroethene	2.331	96	15913	19.024	ug/l	92
13) Acrolein	2.245	56	9064	77.420	ug/l	99
14) Allyl chloride	2.678	41	30613	18.635	ug/l	91
15) Acrylonitrile	3.074	53	52797	100.395	ug/l	99
16) Acetone	2.386	43	43754	91.850	ug/l	92
17) Carbon Disulfide	2.526	76	32725	18.553	ug/l #	94
18) Methyl Acetate	2.715	43	31390	21.024	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	60380	20.629	ug/l	99
20) Methylene Chloride	2.800	84	19357	19.249	ug/l	99
21) trans-1,2-Dichloroethene	3.111	96	16422	18.551	ug/l	85
22) Diisopropyl ether	3.769	45	65781	20.310	ug/l #	66
23) Vinyl Acetate	3.733	43	244447	97.756	ug/l	97
24) 1,1-Dichloroethane	3.623	63	35201	19.501	ug/l	99
25) 2-Butanone	4.562	43	65694	94.146	ug/l	100
26) 2,2-Dichloropropane	4.483	77	26812	20.008	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	22231	20.400	ug/l	91
28) Bromochloromethane	4.910	49	24962	28.993	ug/l	91
29) Tetrahydrofuran	5.013	42	41904	95.090	ug/l	99
30) Chloroform	5.111	83	38816	20.523	ug/l	100
31) Cyclohexane	5.483	56	27779	19.063	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	31961	19.755	ug/l	97
36) 1,1-Dichloropropene	5.702	75	23491	18.664	ug/l	98
37) Ethyl Acetate	4.727	43	21550	17.543	ug/l #	94
38) Carbon Tetrachloride	5.684	117	26986	19.143	ug/l	94
39) Methylcyclohexane	7.385	83	27309	18.382	ug/l	98
40) Benzene	6.043	78	73107	20.633	ug/l	99

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41) Methacrylonitrile	4.934	41	15121	19.822	ug/l	95
42) 1,2-Dichloroethane	6.092	62	29370	19.924	ug/l	96
43) Isopropyl Acetate	6.348	43	43227	20.185	ug/l	99
44) Trichloroethene	7.129	130	18128	20.136	ug/l	100
45) 1,2-Dichloropropane	7.433	63	19281	21.082	ug/l	95
46) Dibromomethane	7.586	93	14589	21.204	ug/l	98
47) Bromodichloromethane	7.824	83	30989	21.905	ug/l	98
48) Methyl methacrylate	7.696	41	22318	20.255	ug/l	94
49) 1,4-Dioxane	7.665	88	6699	454.640	ug/l	97
51) 4-Methyl-2-Pentanone	8.573	43	144159	105.932	ug/l	98
52) Toluene	8.720	92	47033	21.606	ug/l	100
53) t-1,3-Dichloropropene	8.982	75	26554	20.935	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	29705	21.063	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	20354	23.292	ug/l	99
56) Ethyl methacrylate	9.116	69	29012	21.574	ug/l	94
57) 1,3-Dichloropropane	9.311	76	33749	21.854	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	85354	116.525	ug/l	96
59) 2-Hexanone	9.427	43	101993	104.502	ug/l	97
60) Dibromochloromethane	9.518	129	23317	22.684	ug/l	99
61) 1,2-Dibromoethane	9.610	107	19907	21.861	ug/l	98
64) Tetrachloroethene	9.275	164	15297	21.010	ug/l	97
65) Chlorobenzene	10.079	112	53741	20.986	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	19684	22.747	ug/l	99
67) Ethyl Benzene	10.195	91	92007	20.581	ug/l	98
68) m/p-Xylenes	10.299	106	70532	43.493	ug/l	96
69) o-Xylene	10.640	106	34440	21.956	ug/l	97
70) Styrene	10.652	104	60084	22.377	ug/l	98
71) Bromoform	10.799	173	15237	23.093	ug/l #	97
73) Isopropylbenzene	10.963	105	94541	20.766	ug/l	99
74) N-amyl acetate	10.841	43	40078	19.990	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	31701	21.754	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	25337m	20.655	ug/l	
77) Bromobenzene	11.195	156	22654	21.438	ug/l	94
78) n-propylbenzene	11.305	91	111649	20.262	ug/l	99
79) 2-Chlorotoluene	11.360	91	68354	20.571	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	78813	20.775	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	7850	18.460	ug/l	93
82) 4-Chlorotoluene	11.451	91	79949	20.299	ug/l	97
83) tert-Butylbenzene	11.713	119	80342	20.804	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	79571	20.733	ug/l	98
85) sec-Butylbenzene	11.890	105	103234	20.804	ug/l	100
86) p-Isopropyltoluene	12.006	119	86035	20.797	ug/l	98
87) 1,3-Dichlorobenzene	11.969	146	43622	21.259	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	43183	20.310	ug/l	98
89) n-Butylbenzene	12.329	91	82450	20.295	ug/l	99
90) Hexachloroethane	12.536	117	14114	19.196	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	42603	21.509	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6515	19.965	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	28086	20.787	ug/l	98
94) Hexachlorobutadiene	13.725	225	12529	19.953	ug/l	100
95) Naphthalene	13.774	128	88699	20.701	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	26971	19.907	ug/l	99

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

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