

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063025\
 Data File : VX046832.D
 Acq On : 30 Jun 2025 10:49
 Operator : JC/MD
 Sample : VX0630WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0630WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/01/2025
 Supervised By : Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 05:17:54 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	5.556	168	142033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231844	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	213903	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	109525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	96973	49.361	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.720%		
35) Dibromofluoromethane	5.391	113	80652	52.578	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.160%		
50) Toluene-d8	8.647	98	284732	51.665	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.320%		
62) 4-Bromofluorobenzene	11.079	95	111183	54.121	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	108.240%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	27452	18.104	ug/l	97
3) Chloromethane	1.307	50	28849	17.626	ug/l	100
4) Vinyl Chloride	1.386	62	30929	17.720	ug/l	96
5) Bromomethane	1.630	94	21890	22.292	ug/l	96
6) Chloroethane	1.703	64	20337	19.225	ug/l	98
7) Trichlorofluoromethane	1.904	101	46886	17.692	ug/l	100
8) Diethyl Ether	2.148	74	16911	18.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	30498	18.758	ug/l	97
10) Methyl Iodide	2.465	142	27520	16.684	ug/l	99
11) Tert butyl alcohol	2.953	59	12866	72.965	ug/l	98
12) 1,1-Dichloroethene	2.337	96	29150	18.581	ug/l	99
13) Acrolein	2.245	56	20567	80.078	ug/l	100
14) Allyl chloride	2.678	41	52252	18.383	ug/l	99
15) Acrylonitrile	3.069	53	69602	87.783	ug/l	98
16) Acetone	2.386	43	52179	79.646	ug/l	95
17) Carbon Disulfide	2.526	76	78050	16.475	ug/l	99
18) Methyl Acetate	2.715	43	30322	18.223	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	87936	18.002	ug/l	99
20) Methylene Chloride	2.800	84	33199	18.222	ug/l	95
21) trans-1,2-Dichloroethene	3.105	96	30656	18.262	ug/l	96
22) Diisopropyl ether	3.764	45	107178	19.617	ug/l	91
23) Vinyl Acetate	3.727	43	397755	91.551	ug/l	99
24) 1,1-Dichloroethane	3.623	63	57387	18.500	ug/l	99
25) 2-Butanone	4.562	43	78404	84.619	ug/l	96
26) 2,2-Dichloropropane	4.489	77	41350	18.277	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	36980	18.751	ug/l	98
28) Bromochloromethane	4.904	49	32765	23.298	ug/l	99
29) Tetrahydrofuran	5.013	42	49805	83.220	ug/l	99
30) Chloroform	5.105	83	60316	19.443	ug/l	93
31) Cyclohexane	5.477	56	53897	18.322	ug/l	98
32) 1,1,1-Trichloroethane	5.391	97	48835	17.949	ug/l	98
36) 1,1-Dichloropropene	5.702	75	40668	18.366	ug/l	98
37) Ethyl Acetate	4.721	43	31718	15.518	ug/l	100
38) Carbon Tetrachloride	5.684	117	44226	18.404	ug/l	99
39) Methylcyclohexane	7.379	83	51645	17.724	ug/l	99
40) Benzene	6.044	78	125901	19.212	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	19642	18.026	ug/l	99
42) 1,2-Dichloroethane	6.092	62	43753	18.999	ug/l	99
43) Isopropyl Acetate	6.342	43	57052	17.838	ug/l	99
44) Trichloroethene	7.129	130	31273	18.725	ug/l	99
45) 1,2-Dichloropropane	7.428	63	31595	19.454	ug/l	98
46) Dibromomethane	7.586	93	22632	19.390	ug/l	98
47) Bromodichloromethane	7.824	83	46873	19.679	ug/l	99
48) Methyl methacrylate	7.696	41	29160	18.179	ug/l	98
49) 1,4-Dioxane	7.659	88	7253	330.259	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	173255	90.825	ug/l	98
52) Toluene	8.714	92	79823	19.648	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	42582	19.267	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	48952	19.511	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	29774	19.666	ug/l	98
56) Ethyl methacrylate	9.116	69	41564	18.598	ug/l	99
57) 1,3-Dichloropropane	9.305	76	51702	19.831	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	110450	95.139	ug/l	99
59) 2-Hexanone	9.427	43	116113	88.046	ug/l	99
60) Dibromochloromethane	9.519	129	35712	20.016	ug/l	98
61) 1,2-Dibromoethane	9.610	107	30676	19.920	ug/l	99
64) Tetrachloroethene	9.275	164	27027	18.237	ug/l	98
65) Chlorobenzene	10.073	112	88689	18.783	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	29949	18.872	ug/l	99
67) Ethyl Benzene	10.189	91	152827	18.524	ug/l	99
68) m/p-Xylenes	10.299	106	116697	37.961	ug/l	99
69) o-Xylene	10.640	106	55680	19.327	ug/l	97
70) Styrene	10.653	104	97710	19.380	ug/l	98
71) Bromoform	10.799	173	22830	18.890	ug/l #	100
73) Isopropylbenzene	10.957	105	147522	18.288	ug/l	99
74) N-amyl acetate	10.842	43	51858	16.968	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	41446	18.401	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	33907m	16.903	ug/l	
77) Bromobenzene	11.195	156	36921	19.020	ug/l	98
78) n-propylbenzene	11.299	91	175631	18.331	ug/l	99
79) 2-Chlorotoluene	11.360	91	103543	18.101	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	122439	18.471	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	11834	16.675	ug/l	97
82) 4-Chlorotoluene	11.451	91	122855	18.402	ug/l	99
83) tert-Butylbenzene	11.713	119	125127	18.261	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	124048	18.626	ug/l	100
85) sec-Butylbenzene	11.884	105	155556	17.963	ug/l	99
86) p-Isopropyltoluene	12.006	119	131506	17.998	ug/l	99
87) 1,3-Dichlorobenzene	11.963	146	69446	18.348	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	69657	17.918	ug/l	100
89) n-Butylbenzene	12.329	91	122128	17.604	ug/l	100
90) Hexachloroethane	12.536	117	22749	17.780	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	66964	18.933	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7235	16.271	ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	44275	17.608	ug/l	98
94) Hexachlorobutadiene	13.719	225	18126	17.136	ug/l	96
95) Naphthalene	13.774	128	123963	17.304	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	42694	17.748	ug/l	99

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

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