

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071025\
 Data File : VX046937.D
 Acq On : 10 Jul 2025 12:35
 Operator : JC/MD
 Sample : VX0710WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0710WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/11/2025
 Supervised By : Mahesh Dadoda 07/14/2025

Quant Time: Jul 11 01:27:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	319533	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	525170	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	482068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	249133	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	220021	52.121	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.240%			
35) Dibromofluoromethane	5.391	113	182598	51.222	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.440%			
50) Toluene-d8	8.647	98	623409	49.565	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.120%			
62) 4-Bromofluorobenzene	11.079	95	252132	52.745	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.480%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.185	85	53733	17.584	ug/l	98
3) Chloromethane	1.307	50	59649	17.866	ug/l	94
4) Vinyl Chloride	1.386	62	63527	17.472	ug/l	94
5) Bromomethane	1.624	94	44527	19.060	ug/l	96
6) Chloroethane	1.703	64	42569	17.731	ug/l	96
7) Trichlorofluoromethane	1.904	101	105523	18.770	ug/l	98
8) Diethyl Ether	2.148	74	39050	19.519	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	68760	19.195	ug/l	99
10) Methyl Iodide	2.465	142	72032	18.457	ug/l	97
11) Tert butyl alcohol	2.953	59	31363	113.282	ug/l	99
12) 1,1-Dichloroethene	2.337	96	62360	17.998	ug/l	98
13) Acrolein	2.246	56	30430	101.174	ug/l	100
14) Allyl chloride	2.678	41	116429	18.874	ug/l	99
15) Acrylonitrile	3.075	53	168593	105.325	ug/l	99
16) Acetone	2.386	43	128443	97.956	ug/l	96
17) Carbon Disulfide	2.526	76	147876	16.274	ug/l	99
18) Methyl Acetate	2.715	43	83919	24.281	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	206539	21.108	ug/l	99
20) Methylene Chloride	2.800	84	79772	20.574	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	65723	18.537	ug/l	99
22) Diisopropyl ether	3.764	45	249844	20.964	ug/l #	80
23) Vinyl Acetate	3.733	43	918815	102.907	ug/l	100
24) 1,1-Dichloroethane	3.617	63	132724	19.527	ug/l	100
25) 2-Butanone	4.562	43	193429	110.567	ug/l	97
26) 2,2-Dichloropropane	4.483	77	91246	18.038	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	83722	19.341	ug/l	98
28) Bromochloromethane	4.910	49	71901	21.434	ug/l	100
29) Tetrahydrofuran	5.013	42	124855	111.958	ug/l	98
30) Chloroform	5.099	83	139208	20.047	ug/l	98
31) Cyclohexane	5.477	56	114072	18.905	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	112983	19.475	ug/l	99
36) 1,1-Dichloropropene	5.702	75	90333	18.781	ug/l	100
37) Ethyl Acetate	4.715	43	79219	19.338	ug/l #	95
38) Carbon Tetrachloride	5.684	117	99159	19.500	ug/l	99
39) Methylcyclohexane	7.385	83	109536	18.206	ug/l	98
40) Benzene	6.044	78	283408	19.481	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	47598	21.781	ug/l	97
42) 1,2-Dichloroethane	6.092	62	102213	20.691	ug/l	99
43) Isopropyl Acetate	6.342	43	135040	21.521	ug/l	100
44) Trichloroethene	7.129	130	70835	18.705	ug/l	98
45) 1,2-Dichloropropane	7.434	63	74569	20.288	ug/l	98
46) Dibromomethane	7.586	93	52704	20.695	ug/l	99
47) Bromodichloromethane	7.824	83	110763	20.369	ug/l	99
48) Methyl methacrylate	7.696	41	70164	21.656	ug/l	98
49) 1,4-Dioxane	7.659	88	17500	466.159	ug/l	96
51) 4-Methyl-2-Pentanone	8.574	43	426933	115.289	ug/l	98
52) Toluene	8.720	92	179467	19.908	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	97297	20.049	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	109903	19.841	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	71082	21.169	ug/l	96
56) Ethyl methacrylate	9.116	69	97795	21.042	ug/l	98
57) 1,3-Dichloropropane	9.305	76	120732	20.881	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	266721	101.855	ug/l	98
59) 2-Hexanone	9.427	43	282302	114.930	ug/l	99
60) Dibromochloromethane	9.519	129	83023	20.660	ug/l	98
61) 1,2-Dibromoethane	9.610	107	70125	20.794	ug/l	98
64) Tetrachloroethene	9.275	164	59405	18.508	ug/l	96
65) Chlorobenzene	10.080	112	204652	19.636	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	70200	20.036	ug/l	98
67) Ethyl Benzene	10.195	91	347539	19.471	ug/l	98
68) m/p-Xylenes	10.299	106	262922	39.092	ug/l	99
69) o-Xylene	10.640	106	125026	19.244	ug/l	97
70) Styrene	10.653	104	223608	20.117	ug/l	99
71) Bromoform	10.799	173	52454	20.135	ug/l #	98
73) Isopropylbenzene	10.964	105	339278	19.373	ug/l	99
74) N-amyl acetate	10.842	43	122668	20.612	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	99420	20.645	ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	79046m	20.534	ug/l	
77) Bromobenzene	11.195	156	84831	19.446	ug/l	99
78) n-propylbenzene	11.299	91	402815	19.075	ug/l	99
79) 2-Chlorotoluene	11.360	91	238425	19.121	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	281806	19.803	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	27480	19.157	ug/l	95
82) 4-Chlorotoluene	11.451	91	286076	19.881	ug/l	100
83) tert-Butylbenzene	11.713	119	282461	19.218	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	285057	19.818	ug/l	96
85) sec-Butylbenzene	11.890	105	356072	19.215	ug/l	100
86) p-Isopropyltoluene	12.006	119	295422	19.037	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	161268	19.767	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	159372	18.770	ug/l	97
89) n-Butylbenzene	12.329	91	270809	18.573	ug/l	99
90) Hexachloroethane	12.536	117	50082	18.205	ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	154222	19.507	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17282	20.518	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	103384	19.248	ug/l	98
94) Hexachlorobutadiene	13.719	225	37025	18.279	ug/l	99
95) Naphthalene	13.774	128	295349	20.868	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	99576	19.621	ug/l	100

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

