

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
 Data File : VX047088.D
 Acq On : 23 Jul 2025 14:07
 Operator : JC/MD
 Sample : VX0723WBSD01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0723WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/24/2025
 Supervised By : Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 05:50:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	310959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	528421	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	477316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	242466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	184722	47.688	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.380%		
35) Dibromofluoromethane	5.397	113	158281	48.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.020%		
50) Toluene-d8	8.653	98	489612	46.338	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	92.680%		
62) 4-Bromofluorobenzene	11.079	95	226475	49.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.184	85	79075	19.145	ug/l	98
3) Chloromethane	1.306	50	74395	18.209	ug/l	98
4) Vinyl Chloride	1.386	62	81467	18.549	ug/l	99
5) Bromomethane	1.623	94	50847	21.313	ug/l	95
6) Chloroethane	1.703	64	49608	17.198	ug/l	100
7) Trichlorofluoromethane	1.904	101	120221	18.357	ug/l	97
8) Diethyl Ether	2.148	74	41985	18.183	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	72749	18.438	ug/l	99
10) Methyl Iodide	2.471	142	59787	14.868	ug/l	97
11) Tert butyl alcohol	2.958	59	39731	80.779	ug/l	99
12) 1,1-Dichloroethene	2.337	96	71271	18.238	ug/l	99
13) Acrolein	2.251	56	91416	109.605	ug/l	98
14) Allyl chloride	2.678	41	127084	17.990	ug/l	99
15) Acrylonitrile	3.074	53	178809	96.789	ug/l	98
16) Acetone	2.385	43	141628	91.269	ug/l	98
17) Carbon Disulfide	2.526	76	198337	17.544	ug/l	98
18) Methyl Acetate	2.715	43	80702	19.570	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	219572	18.462	ug/l	98
20) Methylene Chloride	2.806	84	77441	18.140	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	72646	18.166	ug/l	94
22) Diisopropyl ether	3.769	45	257385	18.951	ug/l	94
23) Vinyl Acetate	3.733	43	1039866	95.461	ug/l	99
24) 1,1-Dichloroethane	3.623	63	137126	18.157	ug/l	98
25) 2-Butanone	4.568	43	214937	95.126	ug/l	100
26) 2,2-Dichloropropane	4.489	77	99800	17.071	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	85243	18.001	ug/l	98
28) Bromochloromethane	4.915	49	61022	17.563	ug/l	100
29) Tetrahydrofuran	5.013	42	141584	97.118	ug/l	98
30) Chloroform	5.110	83	141717	18.434	ug/l	93
31) Cyclohexane	5.482	56	130935	18.082	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	122918	18.408	ug/l	100
36) 1,1-Dichloropropene	5.708	75	98516	17.714	ug/l	100
37) Ethyl Acetate	4.726	43	90681	17.695	ug/l	99
38) Carbon Tetrachloride	5.690	117	106286	17.906	ug/l	100
39) Methylcyclohexane	7.384	83	125129	18.020	ug/l	98
40) Benzene	6.049	78	298325	18.535	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	53436	19.943	ug/l	96
42) 1,2-Dichloroethane	6.098	62	106541	18.792	ug/l	98
43) Isopropyl Acetate	6.348	43	152735	19.118	ug/l	99
44) Trichloroethene	7.135	130	74000	17.930	ug/l	100
45) 1,2-Dichloropropane	7.433	63	73572	18.251	ug/l	93
46) Dibromomethane	7.586	93	52778	18.670	ug/l	98
47) Bromodichloromethane	7.823	83	110468	18.360	ug/l	98
48) Methyl methacrylate	7.695	41	78142	17.954	ug/l	100
49) 1,4-Dioxane	7.665	88	19354	390.983	ug/l	98
51) 4-Methyl-2-Pentanone	8.573	43	463297	97.564	ug/l	99
52) Toluene	8.720	92	190604	19.260	ug/l	98
53) t-1,3-Dichloropropene	8.982	75	101553	17.873	ug/l	96
54) cis-1,3-Dichloropropene	8.366	75	114225	18.368	ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	70374	18.962	ug/l	98
56) Ethyl methacrylate	9.116	69	106391	19.363	ug/l	98
57) 1,3-Dichloropropane	9.311	76	120987	18.757	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	273140	89.335	ug/l	99
59) 2-Hexanone	9.433	43	319474	101.829	ug/l	99
60) Dibromochloromethane	9.518	129	80178	18.420	ug/l	99
61) 1,2-Dibromoethane	9.610	107	70731	18.226	ug/l	98
64) Tetrachloroethene	9.274	164	62241	18.088	ug/l	95
65) Chlorobenzene	10.079	112	205725	18.398	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.164	131	67878	18.030	ug/l	99
67) Ethyl Benzene	10.195	91	363476	18.591	ug/l	99
68) m/p-Xylenes	10.299	106	272149	37.197	ug/l	99
69) o-Xylene	10.640	106	131522	18.896	ug/l	98
70) Styrene	10.652	104	223553	18.731	ug/l	99
71) Bromoform	10.798	173	51340	17.952	ug/l #	99
73) Isopropylbenzene	10.963	105	345570	18.065	ug/l	99
74) N-amyl acetate	10.841	43	140993	18.267	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	100787	18.445	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	80518m	17.941	ug/l	
77) Bromobenzene	11.195	156	81431	17.748	ug/l	100
78) n-propylbenzene	11.304	91	412892	18.063	ug/l	100
79) 2-Chlorotoluene	11.359	91	246110	18.011	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	283760	17.956	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28787	16.526	ug/l	94
82) 4-Chlorotoluene	11.451	91	291226	18.259	ug/l	99
83) tert-Butylbenzene	11.713	119	283192	17.854	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	291328	18.482	ug/l	100
85) sec-Butylbenzene	11.890	105	358758	18.102	ug/l	100
86) p-Isopropyltoluene	12.006	119	297676	18.112	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	156420	17.942	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	158970	17.998	ug/l	99
89) n-Butylbenzene	12.329	91	282987	18.360	ug/l	98
90) Hexachloroethane	12.536	117	50490	17.172	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	148759	17.854	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	19193	18.299	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	97662	17.740	ug/l	98
94) Hexachlorobutadiene	13.725	225	35054	18.723	ug/l	97
95) Naphthalene	13.774	128	300747	18.635	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	95863	18.076	ug/l	99

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

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