

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073125\
 Data File : VX047193.D
 Acq On : 31 Jul 2025 11:09
 Operator : JC/MD
 Sample : VX0731WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0731WBS01

Quant Time: Aug 01 01:47:01 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

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/01/2025
 Supervised By : Mahesh Dadoda 08/01/2025

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	278238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	474594	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	423292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	198159	57.173	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.340%			
35) Dibromofluoromethane	5.391	113	169482	57.838	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.680%			
50) Toluene-d8	8.647	98	511805	53.933	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.860%			
62) 4-Bromofluorobenzene	11.079	95	235612	57.613	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 115.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	62491	16.909	ug/l	97
3) Chloromethane	1.313	50	55468	15.173	ug/l	99
4) Vinyl Chloride	1.392	62	67880	17.273	ug/l	100
5) Bromomethane	1.630	94	35926	16.830	ug/l	90
6) Chloroethane	1.709	64	41858	16.218	ug/l	95
7) Trichlorofluoromethane	1.904	101	98360	16.786	ug/l	96
8) Diethyl Ether	2.148	74	35335	17.102	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	60103	17.025	ug/l	98
10) Methyl Iodide	2.471	142	78013	21.682	ug/l	99
11) Tert butyl alcohol	2.953	59	36141	82.300	ug/l	99
12) 1,1-Dichloroethene	2.337	96	56211	16.076	ug/l	98
13) Acrolein	2.245	56	57323	76.811	ug/l	95
14) Allyl chloride	2.678	41	99104	15.679	ug/l	93
15) Acrylonitrile	3.075	53	147507	89.235	ug/l	99
16) Acetone	2.386	43	127341	91.713	ug/l	100
17) Carbon Disulfide	2.526	76	151327	14.960	ug/l	99
18) Methyl Acetate	2.715	43	76486	20.729	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	191943	18.037	ug/l	100
20) Methylene Chloride	2.800	84	65112	17.046	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	60636	16.946	ug/l	95
22) Diisopropyl ether	3.769	45	220055	18.108	ug/l	93
23) Vinyl Acetate	3.727	43	873858	89.656	ug/l	99
24) 1,1-Dichloroethane	3.623	63	118906	17.596	ug/l	98
25) 2-Butanone	4.568	43	185750	91.876	ug/l	98
26) 2,2-Dichloropropane	4.483	77	92865	17.753	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	73919	17.445	ug/l	98
28) Bromochloromethane	4.910	49	65930	21.207	ug/l	100
29) Tetrahydrofuran	5.025	42	115792	88.767	ug/l	98
30) Chloroform	5.099	83	120768	17.557	ug/l	97
31) Cyclohexane	5.477	56	110339	17.029	ug/l	94
32) 1,1,1-Trichloroethane	5.391	97	103625	17.344	ug/l	99
36) 1,1-Dichloropropene	5.702	75	82125	16.442	ug/l	99
37) Ethyl Acetate	4.721	43	77054	16.741	ug/l	99
38) Carbon Tetrachloride	5.684	117	90702	17.013	ug/l	95
39) Methylcyclohexane	7.385	83	102615	16.454	ug/l	97
40) Benzene	6.043	78	250285	17.314	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	41202	17.121	ug/l #	93
42) 1,2-Dichloroethane	6.092	62	92653	18.196	ug/l	98
43) Isopropyl Acetate	6.342	43	131920	18.385	ug/l	99
44) Trichloroethene	7.129	130	62182	16.775	ug/l	90
45) 1,2-Dichloropropane	7.433	63	62112	17.156	ug/l	100
46) Dibromomethane	7.586	93	44962	17.709	ug/l	99
47) Bromodichloromethane	7.824	83	95788	17.725	ug/l	98
48) Methyl methacrylate	7.696	41	68771	17.593	ug/l	98
49) 1,4-Dioxane	7.726	88	16888	379.860	ug/l #	92
51) 4-Methyl-2-Pentanone	8.574	43	400128	93.818	ug/l	99
52) Toluene	8.720	92	156650	17.624	ug/l	99
53) t-1,3-Dichloropropene	8.976	75	87840	17.213	ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	97096	17.385	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	59049	17.715	ug/l	98
56) Ethyl methacrylate	9.116	69	91318	18.505	ug/l	99
57) 1,3-Dichloropropane	9.305	76	103760	17.911	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.238	63	266003	96.868	ug/l	100
59) 2-Hexanone	9.433	43	274584	97.448	ug/l	99
60) Dibromochloromethane	9.518	129	71254	18.226	ug/l	100
61) 1,2-Dibromoethane	9.610	107	61241	17.570	ug/l	98
64) Tetrachloroethene	9.275	164	51027	16.722	ug/l	96
65) Chlorobenzene	10.079	112	173439	17.490	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	58078	17.396	ug/l	99
67) Ethyl Benzene	10.195	91	306158	17.658	ug/l	99
68) m/p-Xylenes	10.299	106	229416	35.358	ug/l	100
69) o-Xylene	10.640	106	109696	17.772	ug/l	98
70) Styrene	10.652	104	189824	17.935	ug/l	99
71) Bromoform	10.799	173	45456	17.924	ug/l #	99
73) Isopropylbenzene	10.957	105	297241	17.905	ug/l	99
74) N-amyl acetate	10.841	43	117235	17.502	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	88145	18.588	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	68889m	17.687	ug/l	
77) Bromobenzene	11.195	156	71022	17.837	ug/l	98
78) n-propylbenzene	11.305	91	356279	17.959	ug/l	99
79) 2-Chlorotoluene	11.360	91	209230	17.644	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	244068	17.796	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	18928	12.521	ug/l	90
82) 4-Chlorotoluene	11.451	91	244634	17.674	ug/l	100
83) tert-Butylbenzene	11.713	119	248114	18.024	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	244443	17.869	ug/l	98
85) sec-Butylbenzene	11.890	105	313144	18.206	ug/l	100
86) p-Isopropyltoluene	12.006	119	259208	18.173	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	134107	17.726	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	134256	17.515	ug/l	99
89) n-Butylbenzene	12.329	91	245260	18.336	ug/l	98
90) Hexachloroethane	12.536	117	45691	17.907	ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	129509	17.910	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17364	19.076	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	86629	18.133	ug/l	100
94) Hexachlorobutadiene	13.725	225	31572	19.432	ug/l	98
95) Naphthalene	13.774	128	262639	18.752	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	84903	18.447	ug/l	99

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

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