

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021225\
 Data File : VX044933.D
 Acq On : 12 Feb 2025 15:12
 Operator : JC/MD
 Sample : Q1168-07 0.75PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT1-2025

Quant Time: Feb 13 03:44:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021025W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 13 03:28:47 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/14/2025
 Supervised By : Mahesh Dadoda 02/14/2025

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	105958	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	197843	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	172602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	73715	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	76195	49.125	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.260%		
35) Dibromofluoromethane	5.379	113	59971	46.623	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.240%		
50) Toluene-d8	8.647	98	220655	45.364	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.720%		
62) 4-Bromofluorobenzene	11.079	95	73897	45.065	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	90.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	1109m	0.746	ug/l	
3) Chloromethane	1.301	50	1489	0.823	ug/l	90
4) Vinyl Chloride	1.374	62	1288	0.735	ug/l	98
5) Bromomethane	1.593	94	547	1.043	ug/l #	63
6) Chloroethane	1.660	64	776	1.195	ug/l	89
7) Trichlorofluoromethane	1.874	101	1639	0.740	ug/l	95
8) Diethyl Ether	2.136	74	589	0.733	ug/l #	33
9) 1,1,2-Trichlorotrifluo...	2.319	101	970	0.725	ug/l #	88
10) Methyl Iodide	2.447	142	1306	0.753	ug/l #	94
11) Tert butyl alcohol	2.940	59	2609	9.067	ug/l #	73
12) 1,1-Dichloroethene	2.306	96	1021	0.748	ug/l #	93
13) Acrolein	2.233	56	1334	4.493	ug/l	92
14) Allyl chloride	2.654	41	1938	0.785	ug/l #	86
15) Acrylonitrile	3.075	53	2894	3.767	ug/l	96
16) Acetone	2.386	43	2896	4.645	ug/l	99
17) Carbon Disulfide	2.502	76	2575	0.688	ug/l	95
18) Methyl Acetate	2.703	43	1459	0.742	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	3306	0.761	ug/l	97
20) Methylene Chloride	2.788	84	1210	0.792	ug/l	95
21) trans-1,2-Dichloroethene	3.081	96	1097	0.816	ug/l #	74
22) Diisopropyl ether	3.757	45	3521	0.754	ug/l #	61
23) Vinyl Acetate	3.727	43	12123	3.185	ug/l	99
24) 1,1-Dichloroethane	3.599	63	1955	0.748	ug/l #	83
25) 2-Butanone	4.586	43	3751m	3.705	ug/l	
26) 2,2-Dichloropropane	4.483	77	1264m	0.610	ug/l	
27) cis-1,2-Dichloroethene	4.495	96	1093	0.677	ug/l	89
28) Bromochloromethane	4.897	49	840	0.669	ug/l #	95
29) Tetrahydrofuran	5.032	42	2619	3.895	ug/l #	81
30) Chloroform	5.099	83	2004	0.791	ug/l #	75
31) Cyclohexane	5.464	56	1843	0.765	ug/l	96
32) 1,1,1-Trichloroethane	5.367	97	1541	0.717	ug/l #	51
36) 1,1-Dichloropropene	5.684	75	1508	0.813	ug/l #	74
37) Ethyl Acetate	4.745	43	1425m	0.690	ug/l	
38) Carbon Tetrachloride	5.659	117	1610	0.885	ug/l #	68
39) Methylcyclohexane	7.379	83	1763	0.735	ug/l #	85
40) Benzene	6.031	78	4075	0.703	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.958	41	788m	0.713	ug/l	
42) 1,2-Dichloroethane	6.105	62	1446	0.783	ug/l	77
43) Isopropyl Acetate	6.354	43	2055	0.617	ug/l #	84
44) Trichloroethene	7.129	130	948	0.716	ug/l	72
45) 1,2-Dichloropropane	7.427	63	969	0.672	ug/l #	84
46) Dibromomethane	7.598	93	732	0.732	ug/l	94
47) Bromodichloromethane	7.824	83	1255	0.648	ug/l #	95
48) Methyl methacrylate	7.726	41	1066m	0.678	ug/l	
49) 1,4-Dioxane	7.690	88	447	13.256	ug/l #	77
51) 4-Methyl-2-Pentanone	8.580	43	6918	3.414	ug/l	95
52) Toluene	8.720	92	2575	0.746	ug/l	100
53) t-1,3-Dichloropropene	9.000	75	938	0.479	ug/l	96
54) cis-1,3-Dichloropropene	8.379	75	1435	0.657	ug/l	90
55) 1,1,2-Trichloroethane	9.153	97	910	0.686	ug/l #	90
56) Ethyl methacrylate	9.128	69	1252m	0.584	ug/l	
57) 1,3-Dichloropropane	9.311	76	1984	0.855	ug/l #	87
58) 2-Chloroethyl Vinyl ether	8.250	63	3249	3.088	ug/l	93
59) 2-Hexanone	9.445	43	4268	2.923	ug/l	95
60) Dibromochloromethane	9.525	129	845	0.596	ug/l	87
61) 1,2-Dibromoethane	9.610	107	856	0.637	ug/l	87
64) Tetrachloroethene	9.269	164	805	0.740	ug/l #	72
65) Chlorobenzene	10.073	112	2798	0.755	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	830	0.696	ug/l #	61
67) Ethyl Benzene	10.195	91	4540	0.694	ug/l	91
68) m/p-Xylenes	10.299	106	3383	1.402	ug/l	94
69) o-Xylene	10.640	106	1591	0.657	ug/l	94
70) Styrene	10.659	104	2587m	0.663	ug/l	
71) Bromoform	10.805	173	596	0.669	ug/l #	92
73) Isopropylbenzene	10.963	105	4386	0.739	ug/l	96
74) N-amyl acetate	10.854	43	1430	0.532	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.213	83	1622	0.795	ug/l #	96
76) 1,2,3-Trichloropropane	11.244	75	1443m	0.883	ug/l	
77) Bromobenzene	11.201	156	950	0.706	ug/l	88
78) n-propylbenzene	11.305	91	4381	0.639	ug/l	97
79) 2-Chlorotoluene	11.366	91	3379	0.803	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	3440	0.714	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	38772	61.024	ug/l #	11
82) 4-Chlorotoluene	11.457	91	3439	0.738	ug/l	91
83) tert-Butylbenzene	11.713	119	3685	0.756	ug/l	99
84) 1,2,4-Trimethylbenzene	11.756	105	3084	0.649	ug/l	96
85) sec-Butylbenzene	11.890	105	3849	0.638	ug/l	96
86) p-Isopropyltoluene	12.006	119	3087	0.636	ug/l	94
87) 1,3-Dichlorobenzene	11.969	146	1869	0.755	ug/l	95
88) 1,4-Dichlorobenzene	12.042	146	1940m	0.775	ug/l	
89) n-Butylbenzene	12.335	91	2458	0.573	ug/l	98
90) Hexachloroethane	12.536	117	578	0.636	ug/l	91
91) 1,2-Dichlorobenzene	12.341	146	1815	0.746	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.957	75	220	0.591	ug/l	88
93) 1,2,4-Trichlorobenzene	13.597	180	890	0.605	ug/l	91
94) Hexachlorobutadiene	13.725	225	461	0.789	ug/l	79
95) Naphthalene	13.774	128	3126	0.588	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.969	180	965	0.651	ug/l	90

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

