

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110222\
 Data File : VX032543.D
 Acq On : 02 Nov 2022 17:13
 Operator : JC/MD
 Sample : N4955-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT4-2022

Quant Time: Nov 03 04:05:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 03 04:02:03 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/03/2022
 Supervised By : Mahesh Dadoda 11/03/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	98118	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	160260	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	140150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	67302	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69522	50.994	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.980%			
35) Dibromofluoromethane	5.385	113	55716	48.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.480%			
50) Toluene-d8	8.653	98	187747	47.232	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.460%			
62) 4-Bromofluorobenzene	11.079	95	68833	44.331	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 88.660%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	699	0.618	ug/l	98
3) Chloromethane	1.294	50	644	0.673	ug/l	99
4) Vinyl Chloride	1.374	62	744	0.706	ug/l #	80
5) Bromomethane	1.611	94	798	0.948	ug/l	98
6) Chloroethane	1.685	64	517	0.732	ug/l #	70
7) Trichlorofluoromethane	1.886	101	1372	0.687	ug/l	98
8) Diethyl Ether	2.136	74	489	0.756	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.325	101	793	0.753	ug/l	97
10) Methyl Iodide	2.453	142	588	0.537	ug/l #	83
11) Tert butyl alcohol	2.953	59	1735	8.744	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	750	0.762	ug/l	81
13) Acrolein	2.239	56	755	3.811	ug/l	96
14) Allyl chloride	2.660	41	1112	0.709	ug/l #	89
15) Acrylonitrile	3.075	53	1989	3.693	ug/l	94
16) Acetone	2.380	43	2027	4.091	ug/l #	89
17) Carbon Disulfide	2.508	76	1310	0.559	ug/l #	86
18) Methyl Acetate	2.703	43	1146	0.711	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	2432	0.703	ug/l	100
20) Methylene Chloride	2.788	84	1489	1.311	ug/l #	82
21) trans-1,2-Dichloroethene	3.093	96	769	0.718	ug/l #	79
22) Diisopropyl ether	3.770	45	2280	0.672	ug/l #	80
23) Vinyl Acetate	3.727	43	8677	3.166	ug/l	98
24) 1,1-Dichloroethane	3.611	63	1477	0.757	ug/l #	82
25) 2-Butanone	4.568	43	3000	3.908	ug/l	99
26) 2,2-Dichloropropane	4.483	77	897	0.578	ug/l #	72
27) cis-1,2-Dichloroethene	4.489	96	999	0.807	ug/l	90
28) Bromochloromethane	4.904	49	627	0.902	ug/l #	96
29) Tetrahydrofuran	5.025	42	1831	3.740	ug/l #	91
30) Chloroform	5.105	83	1469	0.686	ug/l	91
31) Cyclohexane	5.471	56	1113	0.673	ug/l #	74
32) 1,1,1-Trichloroethane	5.385	97	1420	0.739	ug/l #	51
36) 1,1-Dichloropropene	5.702	75	991	0.623	ug/l #	79
37) Ethyl Acetate	4.733	43	1192	0.719	ug/l #	72
38) Carbon Tetrachloride	5.672	117	1153	0.653	ug/l	88
39) Methylcyclohexane	7.385	83	1107	0.588	ug/l #	76
40) Benzene	6.044	78	3395	0.754	ug/l	95

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41) Methacrylonitrile	4.928	41	496m	0.588	ug/l	
42) 1,2-Dichloroethane	6.105	62	1378	0.748	ug/l #	77
43) Isopropyl Acetate	6.355	43	1633	0.642	ug/l #	89
44) Trichloroethene	7.129	130	806	0.636	ug/l	97
45) 1,2-Dichloropropane	7.446	63	854	0.739	ug/l #	78
46) Dibromomethane	7.592	93	685	0.772	ug/l #	84
47) Bromodichloromethane	7.830	83	1063	0.632	ug/l #	94
48) Methyl methacrylate	7.696	41	792	0.603	ug/l	96
49) 1,4-Dioxane	7.684	88	307	12.260	ug/l #	58
51) 4-Methyl-2-Pentanone	8.580	43	5406	3.373	ug/l	94
52) Toluene	8.726	92	2027	0.690	ug/l	100
53) t-1,3-Dichloropropene	8.988	75	980	0.571	ug/l #	87
54) cis-1,3-Dichloropropene	8.372	75	1049	0.572	ug/l #	86
55) 1,1,2-Trichloroethane	9.153	97	950	0.768	ug/l	87
56) Ethyl methacrylate	9.122	69	924	0.519	ug/l	87
57) 1,3-Dichloropropane	9.311	76	1372	0.686	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	2988	3.484	ug/l	99
59) 2-Hexanone	9.433	43	3634	3.056	ug/l	97
60) Dibromochloromethane	9.525	129	846	0.626	ug/l	97
61) 1,2-Dibromoethane	9.610	107	733	0.559	ug/l	93
64) Tetrachloroethene	9.281	164	798	0.778	ug/l #	74
65) Chlorobenzene	10.079	112	2135	0.680	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	817	0.691	ug/l #	65
67) Ethyl Benzene	10.195	91	4069	0.725	ug/l	96
68) m/p-Xylenes	10.305	106	3118	1.430	ug/l	94
69) o-Xylene	10.646	106	1359	0.641	ug/l	86
70) Styrene	10.659	104	2014	0.572	ug/l	92
71) Bromoform	10.805	173	559	0.598	ug/l #	93
73) Isopropylbenzene	10.963	105	3656	0.686	ug/l	94
74) N-amyl acetate	10.848	43	1220	0.605	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.213	83	1325	0.774	ug/l	94
76) 1,2,3-Trichloropropane	11.244	75	1372	0.916	ug/l	87
77) Bromobenzene	11.201	156	982	0.751	ug/l	99
78) n-propylbenzene	11.305	91	4432	0.721	ug/l	92
79) 2-Chlorotoluene	11.366	91	2589	0.704	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	2988	0.656	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	209m	0.444	ug/l	
82) 4-Chlorotoluene	11.457	91	2989	0.694	ug/l	97
83) tert-Butylbenzene	11.719	119	3040	0.668	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	3196	0.705	ug/l	96
85) sec-Butylbenzene	11.890	105	3589	0.655	ug/l	96
86) p-Isopropyltoluene	12.012	119	2963	0.638	ug/l	91
87) 1,3-Dichlorobenzene	11.969	146	1670	0.677	ug/l	94
88) 1,4-Dichlorobenzene	12.043	146	1906m	0.745	ug/l	
89) n-Butylbenzene	12.335	91	2451	0.606	ug/l	94
90) Hexachloroethane	12.536	117	506	0.667	ug/l	91
91) 1,2-Dichlorobenzene	12.335	146	1738	0.715	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	12.951	75	255	0.679	ug/l	84
93) 1,2,4-Trichlorobenzene	13.585	180	986	0.622	ug/l	94
94) Hexachlorobutadiene	13.725	225	385	0.581	ug/l	98
95) Naphthalene	13.780	128	3480	0.659	ug/l	98
96) 1,2,3-Trichlorobenzene	13.969	180	1001	0.621	ug/l	96

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

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