

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071222\
 Data File : VX030023.D
 Acq On : 12 Jul 2022 16:41
 Operator : JC/MD
 Sample : N3214-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2022

Quant Time: Jul 13 09:25:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:24:02 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/13/2022
 Supervised By : Mahesh Dadoda 07/13/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	207876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362025	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	318477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	144705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	122029	48.228	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.460%		
35) Dibromofluoromethane	5.391	113	111686	48.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.580%		
50) Toluene-d8	8.653	98	421276	48.433	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.860%		
62) 4-Bromofluorobenzene	11.085	95	147256	48.784	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.560%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	4631	2.100	ug/l	98
3) Chloromethane	1.288	50	4495	2.075	ug/l	97
4) Vinyl Chloride	1.374	62	4817	2.002	ug/l	91
5) Bromomethane	1.599	94	2675	2.617	ug/l	89
6) Chloroethane	1.684	64	3289	2.427	ug/l	90
7) Trichlorofluoromethane	1.886	101	7740	2.491	ug/l	94
8) Diethyl Ether	2.136	74	3253	2.531	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.325	101	5173	2.439	ug/l	92
10) Methyl Iodide	2.447	142	2447	1.403	ug/l	95
11) Tert butyl alcohol	2.965	59	11003	16.849	ug/l	98
12) 1,1-Dichloroethene	2.318	96	5063	2.391	ug/l	91
13) Acrolein	2.239	56	1934	14.870	ug/l	99
14) Allyl chloride	2.666	41	9044	2.444	ug/l	97
15) Acrylonitrile	3.068	53	20208	13.616	ug/l	99
16) Acetone	2.386	43	16254	13.633	ug/l	98
17) Carbon Disulfide	2.507	76	9533	1.789	ug/l	98
18) Methyl Acetate	2.709	43	10311	2.843	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	16832	2.514	ug/l	95
20) Methylene Chloride	2.794	84	7279	2.639	ug/l #	83
21) trans-1,2-Dichloroethene	3.093	96	5335	2.417	ug/l	87
22) Diisopropyl ether	3.776	45	19255	2.658	ug/l #	79
23) Vinyl Acetate	3.733	43	74400	12.131	ug/l	99
24) 1,1-Dichloroethane	3.611	63	10058	2.505	ug/l	94
25) 2-Butanone	4.574	43	27617	13.598	ug/l	97
26) 2,2-Dichloropropane	4.483	77	6735	2.388	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	6767	2.503	ug/l	99
28) Bromochloromethane	4.909	49	3871	2.292	ug/l #	80
29) Tetrahydrofuran	5.019	42	18339	13.306	ug/l	97
30) Chloroform	5.105	83	10224	2.556	ug/l	97
31) Cyclohexane	5.470	56	8610	2.347	ug/l	92
32) 1,1,1-Trichloroethane	5.391	97	8509	2.602	ug/l	100
36) 1,1-Dichloropropene	5.696	75	7720	2.584	ug/l	96
37) Ethyl Acetate	4.739	43	9985	2.601	ug/l #	77
38) Carbon Tetrachloride	5.678	117	7289	2.616	ug/l	97
39) Methylcyclohexane	7.385	83	8917	2.355	ug/l	89
40) Benzene	6.043	78	23191	2.466	ug/l	96

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41) Methacrylonitrile	4.928	41	5551	2.686	ug/l #	75
42) 1,2-Dichloroethane	6.092	62	7503	2.575	ug/l	91
43) Isopropyl Acetate	6.348	43	14586	2.527	ug/l	98
44) Trichloroethene	7.135	130	6836	2.488	ug/l	87
45) 1,2-Dichloropropane	7.433	63	6484	2.653	ug/l #	87
46) Dibromomethane	7.586	93	4499	2.675	ug/l	94
47) Bromodichloromethane	7.824	83	7708	2.525	ug/l #	94
48) Methyl methacrylate	7.702	41	6671	2.505	ug/l	97
49) 1,4-Dioxane	7.671	88	4143	59.873	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	51573	13.502	ug/l	99
52) Toluene	8.720	92	15200	2.546	ug/l	94
53) t-1,3-Dichloropropene	8.988	75	7838	2.472	ug/l	95
54) cis-1,3-Dichloropropene	8.372	75	8635	2.377	ug/l #	93
55) 1,1,2-Trichloroethane	9.153	97	6850	2.782	ug/l #	80
56) Ethyl methacrylate	9.122	69	9000	2.431	ug/l	93
57) 1,3-Dichloropropane	9.311	76	10042	2.567	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.250	63	22575	11.231	ug/l	92
59) 2-Hexanone	9.433	43	39746	13.569	ug/l	98
60) Dibromochloromethane	9.525	129	6037	2.517	ug/l	98
61) 1,2-Dibromoethane	9.616	107	6386	2.492	ug/l	96
64) Tetrachloroethene	9.281	164	6468	2.530	ug/l	95
65) Chlorobenzene	10.079	112	16808	2.650	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	5537	2.561	ug/l	97
67) Ethyl Benzene	10.195	91	27984	2.604	ug/l	99
68) m/p-Xylenes	10.305	106	21273	5.046	ug/l	99
69) o-Xylene	10.646	106	10777	2.553	ug/l	97
70) Styrene	10.658	104	17365	2.479	ug/l	98
71) Bromoform	10.799	173	4117	2.370	ug/l #	94
73) Isopropylbenzene	10.969	105	27016	2.681	ug/l	97
74) N-amyl acetate	10.847	43	11222	2.536	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.213	83	10543	2.900	ug/l	98
76) 1,2,3-Trichloropropane	11.244	75	9574m	2.878	ug/l	
77) Bromobenzene	11.201	156	6650	2.638	ug/l	95
78) n-propylbenzene	11.305	91	30327	2.537	ug/l	99
79) 2-Chlorotoluene	11.366	91	19724	2.755	ug/l	99
80) 1,3,5-Trimethylbenzene	11.457	105	21839	2.572	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	2458	2.132	ug/l	92
82) 4-Chlorotoluene	11.457	91	20968	2.614	ug/l	95
83) tert-Butylbenzene	11.719	119	21905	2.690	ug/l	98
84) 1,2,4-Trimethylbenzene	11.756	105	22269	2.652	ug/l	97
85) sec-Butylbenzene	11.896	105	27256	2.532	ug/l	100
86) p-Isopropyltoluene	12.012	119	21056	2.438	ug/l	97
87) 1,3-Dichlorobenzene	11.975	146	12277	2.636	ug/l	97
88) 1,4-Dichlorobenzene	12.042	146	13359	2.795	ug/l	92
89) n-Butylbenzene	12.335	91	18825	2.433	ug/l	99
90) Hexachloroethane	12.536	117	3808	2.580	ug/l	96
91) 1,2-Dichlorobenzene	12.335	146	13076	2.763	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2291	2.760	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	7596	2.613	ug/l	97
94) Hexachlorobutadiene	13.725	225	2929	2.524	ug/l	94
95) Naphthalene	13.780	128	29119	2.524	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	7955	2.690	ug/l	98

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

