

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071222\
 Data File : VX030021.D
 Acq On : 12 Jul 2022 15:54
 Operator : JC/MD
 Sample : N3214-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Jul 13 09:25:22 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	223696	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	387893	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	337619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	151201	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	137681	50.566	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.140%			
35) Dibromofluoromethane	5.391	113	124354	50.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.360%			
50) Toluene-d8	8.653	98	467595	50.173	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.340%			
62) 4-Bromofluorobenzene	11.085	95	156373	48.350	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.700%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	828	0.349	ug/l #	61
3) Chloromethane	1.288	50	1070	0.459	ug/l	96
4) Vinyl Chloride	1.374	62	1013	0.391	ug/l	98
5) Bromomethane	1.605	94	877	0.797	ug/l #	68
6) Chloroethane	1.684	64	886	0.608	ug/l #	72
7) Trichlorofluoromethane	1.886	101	1470	0.440	ug/l #	80
8) Diethyl Ether	2.136	74	639	0.462	ug/l	72
9) 1,1,2-Trichlorotrifluo...	2.331	101	1252	0.548	ug/l #	80
10) Methyl Iodide	2.453	142	768	0.409	ug/l #	91
11) Tert butyl alcohol	2.940	59	3270m	4.653	ug/l	
12) 1,1-Dichloroethene	2.325	96	1069	0.469	ug/l #	72
13) Acrolein	2.239	56	498	3.558	ug/l #	70
14) Allyl chloride	2.672	41	1839	0.462	ug/l #	86
15) Acrylonitrile	3.068	53	3540	2.217	ug/l	96
16) Acetone	2.392	43	3902	3.041	ug/l	99
17) Carbon Disulfide	2.507	76	2719	0.474	ug/l #	94
18) Methyl Acetate	2.703	43	2089	0.535	ug/l	93
19) Methyl tert-butyl Ether	3.123	73	2898	0.402	ug/l	98
20) Methylene Chloride	2.794	84	2628	0.885	ug/l	86
21) trans-1,2-Dichloroethene	3.099	96	1040	0.438	ug/l	84
22) Diisopropyl ether	3.763	45	3066	0.393	ug/l	93
23) Vinyl Acetate	3.727	43	12551	1.902	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	1713	0.397	ug/l #	90
25) 2-Butanone	4.580	43	5316	2.432	ug/l	91
26) 2,2-Dichloropropane	4.489	77	1491	0.491	ug/l #	61
27) cis-1,2-Dichloroethene	4.507	96	1135m	0.390	ug/l	
28) Bromochloromethane	4.922	49	981m	0.540	ug/l	
29) Tetrahydrofuran	5.037	42	3513	2.369	ug/l #	87
30) Chloroform	5.092	83	1831	0.425	ug/l	97
31) Cyclohexane	5.470	56	1543	0.391	ug/l #	70
32) 1,1,1-Trichloroethane	5.391	97	1730	0.492	ug/l #	46
36) 1,1-Dichloropropene	5.702	75	1803m	0.563	ug/l	
37) Ethyl Acetate	4.727	43	2117	0.515	ug/l #	88
38) Carbon Tetrachloride	5.696	117	1250m	0.419	ug/l	
39) Methylcyclohexane	7.379	83	1618	0.399	ug/l #	89
40) Benzene	6.050	78	4567	0.453	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	1185m	0.535	ug/l	
42) 1,2-Dichloroethane	6.092	62	1515	0.485	ug/l	78
43) Isopropyl Acetate	6.354	43	2748	0.444	ug/l #	94
44) Trichloroethene	7.141	130	1974	0.671	ug/l	78
45) 1,2-Dichloropropane	7.440	63	1272	0.486	ug/l	91
46) Dibromomethane	7.586	93	840	0.466	ug/l #	90
47) Bromodichloromethane	7.830	83	1229	0.376	ug/l #	88
48) Methyl methacrylate	7.702	41	1534	0.538	ug/l #	84
49) 1,4-Dioxane	7.683	88	559	7.540	ug/l #	60
51) 4-Methyl-2-Pentanone	8.580	43	8494	2.075	ug/l	100
52) Toluene	8.726	92	2820	0.441	ug/l	96
53) t-1,3-Dichloropropene	8.982	75	1640	0.483	ug/l #	82
54) cis-1,3-Dichloropropene	8.372	75	1752	0.450	ug/l #	86
55) 1,1,2-Trichloroethane	9.165	97	1089	0.413	ug/l #	78
56) Ethyl methacrylate	9.122	69	1455	0.367	ug/l #	84
57) 1,3-Dichloropropane	9.317	76	1801	0.430	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.250	63	4038	1.875	ug/l #	86
59) 2-Hexanone	9.439	43	6700	2.135	ug/l	100
60) Dibromochloromethane	9.524	129	1040	0.405	ug/l	90
61) 1,2-Dibromoethane	9.616	107	1099	0.400	ug/l	97
64) Tetrachloroethene	9.275	164	1204	0.444	ug/l #	82
65) Chlorobenzene	10.085	112	2735	0.407	ug/l	94
66) 1,1,1,2-Tetrachloroethane	10.165	131	857	0.374	ug/l #	55
67) Ethyl Benzene	10.195	91	4916	0.431	ug/l #	88
68) m/p-Xylenes	10.305	106	4387	0.982	ug/l	86
69) o-Xylene	10.646	106	1787	0.399	ug/l	85
70) Styrene	10.658	104	3248	0.437	ug/l	95
71) Bromoform	10.805	173	810	0.440	ug/l #	93
73) Isopropylbenzene	10.963	105	4577	0.435	ug/l	94
74) N-amyl acetate	10.847	43	2055	0.444	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	1932	0.509	ug/l	85
76) 1,2,3-Trichloropropane	11.244	75	1456m	0.419	ug/l	
77) Bromobenzene	11.201	156	1117	0.424	ug/l	90
78) n-propylbenzene	11.305	91	5093	0.408	ug/l	95
79) 2-Chlorotoluene	11.366	91	3449	0.461	ug/l	90
80) 1,3,5-Trimethylbenzene	11.451	105	3681	0.415	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.024	75	473m	0.393	ug/l	
82) 4-Chlorotoluene	11.463	91	3748	0.447	ug/l	97
83) tert-Butylbenzene	11.719	119	3864	0.454	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	3455	0.394	ug/l	100
85) sec-Butylbenzene	11.896	105	4432	0.394	ug/l	95
86) p-Isopropyltoluene	12.012	119	3648	0.404	ug/l	84
87) 1,3-Dichlorobenzene	11.975	146	2679	0.550	ug/l	92
88) 1,4-Dichlorobenzene	12.048	146	2568m	0.514	ug/l	
89) n-Butylbenzene	12.335	91	3273	0.405	ug/l	92
90) Hexachloroethane	12.542	117	705	0.457	ug/l	92
91) 1,2-Dichlorobenzene	12.341	146	2193	0.444	ug/l	86
92) 1,2-Dibromo-3-Chloropr...	12.945	75	465	0.536	ug/l	73
93) 1,2,4-Trichlorobenzene	13.591	180	1437	0.473	ug/l	96
94) Hexachlorobutadiene	13.725	225	609	0.502	ug/l	93
95) Naphthalene	13.780	128	5940	0.493	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.963	180	1411	0.457	ug/l	92

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

