

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110222\
 Data File : VX032542.D
 Acq On : 02 Nov 2022 16:50
 Operator : JC/MD
 Sample : N4955-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Nov 03 04:02:08 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	5.550	168	98192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	157116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	139088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	72484	53.127	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.260%			
35) Dibromofluoromethane	5.385	113	58560	52.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.500%			
50) Toluene-d8	8.653	98	197856	50.771	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.540%			
62) 4-Bromofluorobenzene	11.079	95	72537	47.651	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.300%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	433	0.382	ug/l #	69
3) Chloromethane	1.295	50	477	0.498	ug/l #	73
4) Vinyl Chloride	1.374	62	343	0.325	ug/l #	56
5) Bromomethane	1.605	94	457	0.543	ug/l	90
6) Chloroethane	1.691	64	309	0.437	ug/l #	42
7) Trichlorofluoromethane	1.892	101	835	0.418	ug/l	96
8) Diethyl Ether	2.136	74	273	0.422	ug/l	55
9) 1,1,2-Trichlorotrifluo...	2.331	101	447	0.424	ug/l	99
10) Methyl Iodide	2.453	142	389	0.355	ug/l #	68
11) Tert butyl alcohol	2.947	59	1062	5.348	ug/l #	72
12) 1,1-Dichloroethene	2.319	96	406	0.412	ug/l #	63
13) Acrolein	2.239	56	420	2.119	ug/l	84
14) Allyl chloride	2.666	41	716	0.456	ug/l	94
15) Acrylonitrile	3.075	53	1127	2.091	ug/l #	91
16) Acetone	2.380	43	1268	2.557	ug/l #	88
17) Carbon Disulfide	2.514	76	908	0.387	ug/l #	74
18) Methyl Acetate	2.703	43	699	0.433	ug/l	99
19) Methyl tert-butyl Ether	3.111	73	1338	0.387	ug/l #	87
20) Methylene Chloride	2.794	84	1177	1.035	ug/l #	75
21) trans-1,2-Dichloroethene	3.093	96	463	0.432	ug/l	87
22) Diisopropyl ether	3.770	45	1329	0.391	ug/l #	76
23) Vinyl Acetate	3.727	43	4858	1.771	ug/l #	94
24) 1,1-Dichloroethane	3.611	63	801	0.410	ug/l #	82
25) 2-Butanone	4.574	43	1778	2.314	ug/l #	85
26) 2,2-Dichloropropane	4.489	77	594	0.383	ug/l #	66
27) cis-1,2-Dichloroethene	4.501	96	455	0.367	ug/l	89
28) Bromochloromethane	4.904	49	347	0.499	ug/l #	58
29) Tetrahydrofuran	5.026	42	979	1.998	ug/l #	83
30) Chloroform	5.105	83	1031	0.481	ug/l #	82
31) Cyclohexane	5.464	56	559	0.338	ug/l #	67
32) 1,1,1-Trichloroethane	5.379	97	863	0.449	ug/l #	31
36) 1,1-Dichloropropene	5.696	75	626	0.401	ug/l #	76
37) Ethyl Acetate	4.745	43	605m	0.372	ug/l	
38) Carbon Tetrachloride	5.684	117	774	0.447	ug/l #	78
39) Methylcyclohexane	7.379	83	664	0.360	ug/l #	77
40) Benzene	6.044	78	2035	0.461	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	247	0.298	ug/l #	48
42) 1,2-Dichloroethane	6.086	62	871	0.482	ug/l #	77
43) Isopropyl Acetate	6.348	43	986	0.395	ug/l #	64
44) Trichloroethene	7.129	130	570	0.458	ug/l	79
45) 1,2-Dichloropropane	7.434	63	458	0.404	ug/l #	88
46) Dibromomethane	7.592	93	329	0.378	ug/l	95
47) Bromodichloromethane	7.830	83	686	0.416	ug/l #	88
48) Methyl methacrylate	7.708	41	410	0.318	ug/l #	66
49) 1,4-Dioxane	7.696	88	103m	4.196	ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	3033	1.931	ug/l	96
52) Toluene	8.726	92	1294	0.449	ug/l	93
53) t-1,3-Dichloropropene	8.994	75	400	0.238	ug/l #	86
54) cis-1,3-Dichloropropene	8.372	75	579	0.322	ug/l #	83
55) 1,1,2-Trichloroethane	9.153	97	556	0.458	ug/l #	79
56) Ethyl methacrylate	9.122	69	579	0.332	ug/l	92
57) 1,3-Dichloropropane	9.317	76	734	0.375	ug/l	94
58) 2-Chloroethyl Vinyl ether	8.251	63	1551	1.845	ug/l #	89
59) 2-Hexanone	9.445	43	2094	1.796	ug/l	92
60) Dibromochloromethane	9.525	129	471	0.355	ug/l	99
61) 1,2-Dibromoethane	9.616	107	581	0.452	ug/l	87
64) Tetrachloroethene	9.275	164	471	0.463	ug/l #	72
65) Chlorobenzene	10.079	112	1338	0.429	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	489	0.417	ug/l #	63
67) Ethyl Benzene	10.195	91	2792	0.501	ug/l #	88
68) m/p-Xylenes	10.305	106	2217	1.025	ug/l	98
69) o-Xylene	10.646	106	848	0.403	ug/l	96
70) Styrene	10.659	104	1217	0.348	ug/l #	89
71) Bromoform	10.805	173	335	0.361	ug/l #	80
73) Isopropylbenzene	10.963	105	2194	0.424	ug/l	97
74) N-amyl acetate	10.848	43	718	0.367	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	11.213	83	651	0.392	ug/l	86
76) 1,2,3-Trichloropropane	11.238	75	633m	0.435	ug/l	
77) Bromobenzene	11.201	156	505	0.398	ug/l	97
78) n-propylbenzene	11.305	91	2569	0.431	ug/l	99
79) 2-Chlorotoluene	11.366	91	1565	0.438	ug/l	97
80) 1,3,5-Trimethylbenzene	11.451	105	1727	0.390	ug/l	89
82) 4-Chlorotoluene	11.457	91	1667	0.399	ug/l	95
83) tert-Butylbenzene	11.719	119	1854	0.420	ug/l	94
84) 1,2,4-Trimethylbenzene	11.756	105	2037	0.463	ug/l	98
85) sec-Butylbenzene	11.890	105	2043	0.384	ug/l	99
86) p-Isopropyltoluene	12.012	119	1726	0.383	ug/l #	80
87) 1,3-Dichlorobenzene	11.969	146	925	0.386	ug/l	92
88) 1,4-Dichlorobenzene	12.043	146	1097m	0.442	ug/l	
89) n-Butylbenzene	12.335	91	1299	0.331	ug/l	97
90) Hexachloroethane	12.536	117	320	0.434	ug/l	92
91) 1,2-Dichlorobenzene	12.335	146	1010	0.428	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	584	0.379	ug/l	98
94) Hexachlorobutadiene	13.725	225	283	0.440	ug/l	94
95) Naphthalene	13.780	128	2168	0.423	ug/l	97
96) 1,2,3-Trichlorobenzene	13.969	180	611	0.390	ug/l	99

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