

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071638.D
 Acq On : 29 Mar 2022 17:42
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Quant Time: Mar 30 09:18:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 09:02:25 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	639892	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1048708	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	885961	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	291817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	398990	52.003	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.000%			
35) Dibromofluoromethane	8.016	113	311357	48.342	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.680%			
50) Toluene-d8	10.439	98	1245009	46.863	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 93.720%			
62) 4-Bromofluorobenzene	12.727	95	341988	39.460	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 78.920%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.075	85	4362	0.696	ug/l	97
3) Chloromethane	2.299	50	7068	0.958	ug/l	95
4) Vinyl Chloride	2.440	62	5520	0.674	ug/l	92
5) Bromomethane	2.857	94	5948	1.235	ug/l #	75
6) Chloroethane	3.016	64	4754	0.803	ug/l	93
7) Trichlorofluoromethane	3.369	101	6694	0.685	ug/l #	83
8) Diethyl Ether	3.822	74	2786	0.686	ug/l	59
9) 1,1,2-Trichlorotrifluo...	4.216	101	3599	0.606	ug/l	88
10) Methyl Iodide	4.416	142	5440	0.622	ug/l #	91
11) Tert butyl alcohol	5.357	59	4220	3.115	ug/l #	72
12) 1,1-Dichloroethene	4.181	96	4053	0.706	ug/l #	80
13) Acrolein	4.040	56	4495	3.976	ug/l	96
14) Allyl chloride	4.834	41	6460	0.705	ug/l	88
15) Acrylonitrile	5.557	53	12645	3.342	ug/l #	86
16) Acetone	4.298	43	12500	3.952	ug/l	100
17) Carbon Disulfide	4.534	76	9680	0.677	ug/l	95
18) Methyl Acetate	4.857	43	16716	1.710	ug/l	96
19) Methyl tert-butyl Ether	5.616	73	12707	0.606	ug/l	96
20) Methylene Chloride	5.098	84	5517	0.789	ug/l	90
21) trans-1,2-Dichloroethene	5.598	96	3955	0.644	ug/l #	76
22) Diisopropyl ether	6.498	45	12242	0.625	ug/l #	88
23) Vinyl Acetate	6.434	43	49197	2.976	ug/l #	92
24) 1,1-Dichloroethane	6.386	63	7761	0.665	ug/l #	87
25) 2-Butanone	7.339	43	15844	3.218	ug/l #	86
26) 2,2-Dichloropropane	7.316	77	6185	0.617	ug/l #	65
27) cis-1,2-Dichloroethene	7.316	96	5060	0.670	ug/l	99
28) Bromochloromethane	7.651	49	3093	0.656	ug/l #	96
29) Tetrahydrofuran	7.686	42	10380	3.248	ug/l #	80
30) Chloroform	7.816	83	7883	0.659	ug/l	88
31) Cyclohexane	8.086	56	18071	1.687	ug/l #	59
32) 1,1,1-Trichloroethane	8.010	97	6815	0.657	ug/l #	52
36) 1,1-Dichloropropene	8.222	75	6304	0.681	ug/l	95
37) Ethyl Acetate	7.416	43	6493	0.641	ug/l	97
38) Carbon Tetrachloride	8.198	117	6049	0.659	ug/l #	69
39) Methylcyclohexane	9.457	83	6772	0.591	ug/l	92
40) Benzene	8.457	78	18983	0.668	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071638.D
 Acq On : 29 Mar 2022 17:42
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Quant Time: Mar 30 09:18:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 09:02:25 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 03/30/2022
 Supervised By :Mahesh Dadoda 03/30/2022

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	2717	0.552	ug/l #	93
42) 1,2-Dichloroethane	8.516	62	7892	0.803	ug/l	98
43) Isopropyl Acetate	8.563	43	22735	1.265	ug/l #	76
44) Trichloroethene	9.222	130	4405	0.590	ug/l	78
45) 1,2-Dichloropropane	9.486	63	4805	0.686	ug/l #	86
46) Dibromomethane	9.569	93	3131	0.653	ug/l	96
47) Bromodichloromethane	9.757	83	5641	0.597	ug/l #	85
48) Methyl methacrylate	9.551	41	4425	0.607	ug/l	91
49) 1,4-Dioxane	9.575	88	1857	11.567	ug/l #	60
51) 4-Methyl-2-Pentanone	10.327	43	26706	2.690	ug/l	99
52) Toluene	10.498	92	11679	0.639	ug/l	93
53) t-1,3-Dichloropropene	10.716	75	5542	0.540	ug/l	99
54) cis-1,3-Dichloropropene	10.180	75	5788	0.518	ug/l	97
55) 1,1,2-Trichloroethane	10.898	97	4536	0.616	ug/l	90
56) Ethyl methacrylate	10.757	69	5311	0.483	ug/l	96
57) 1,3-Dichloropropane	11.039	76	7735	0.629	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.039	63	5592	1.978	ug/l	96
59) 2-Hexanone	11.080	43	19420	2.735	ug/l	91
60) Dibromochloromethane	11.227	129	3981	0.539	ug/l	99
61) 1,2-Dibromoethane	11.339	107	4480	0.601	ug/l	94
64) Tetrachloroethene	10.969	164	4000	0.652	ug/l	95
65) Chlorobenzene	11.763	112	12760	0.690	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.839	131	3861	0.582	ug/l #	56
67) Ethyl Benzene	11.839	91	17734	0.556	ug/l	99
68) m/p-Xylenes	11.951	106	13603	1.122	ug/l	92
69) o-Xylene	12.280	106	6509	0.534	ug/l	98
70) Styrene	12.286	104	8965	0.482	ug/l	98
71) Bromoform	12.451	173	2680	0.513	ug/l #	97
73) Isopropylbenzene	12.574	105	14597	0.572	ug/l	99
74) N-amyl acetate	12.380	43	4563	0.589	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.821	83	6571	0.769	ug/l #	92
76) 1,2,3-Trichloropropane	12.868	75	5887m	0.840	ug/l	
77) Bromobenzene	12.857	156	4373	0.681	ug/l	92
78) n-propylbenzene	12.915	91	16467	0.598	ug/l	100
79) 2-Chlorotoluene	13.004	91	11791	0.684	ug/l	100
80) 1,3,5-Trimethylbenzene	13.057	105	11324	0.562	ug/l	93
81) trans-1,4-Dichloro-2-b...	12.621	75	1367m	0.563	ug/l	
82) 4-Chlorotoluene	13.104	91	9519	0.592	ug/l	97
83) tert-Butylbenzene	13.321	119	10967	0.593	ug/l	98
84) 1,2,4-Trimethylbenzene	13.362	105	10912	0.553	ug/l	96
85) sec-Butylbenzene	13.498	105	12680	0.519	ug/l	100
86) p-Isopropyltoluene	13.610	119	8648	0.445	ug/l	94
87) 1,3-Dichlorobenzene	13.615	146	6459	0.623	ug/l	93
88) 1,4-Dichlorobenzene	13.692	146	6432m	0.625	ug/l	
89) n-Butylbenzene	13.939	91	7361	0.502	ug/l	95
90) Hexachloroethane	14.204	117	2547	0.699	ug/l	95
91) 1,2-Dichlorobenzene	13.986	146	6869	0.677	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.598	75	790	0.535	ug/l	96
93) 1,2,4-Trichlorobenzene	15.262	180	2001	0.446	ug/l	86
94) Hexachlorobutadiene	15.368	225	1949	0.690	ug/l	97
95) Naphthalene	15.498	128	3734	0.306	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.692	180	1444	0.322	ug/l	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032922\
 Data File : VN071638.D
 Acq On : 29 Mar 2022 17:42
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
ClientSampleId :
 MDL-WATER-03-QT1-2022

Manual Integrations
APPROVED

Reviewed By : John Carlone 03/30/2022
 Supervised By : Mahesh Dadoda 03/30/2022

Quant Time: Mar 30 09:18:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N032822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 09:02:25 2022
 Response via : Initial Calibration

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

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

