

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074409.D
 Acq On : 12 Sep 2022 13:11
 Operator : JC\MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/14/2022
 Supervised By : Mahesh Dadoda 09/14/2022

Quant Time: Sep 13 09:20:43 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 13 09:10:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	248304	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	458306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	394652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	163870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	219821	51.168	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.340%			
35) Dibromofluoromethane	7.951	113	163747	52.924	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.840%			
50) Toluene-d8	10.380	98	571671	47.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.840%			
62) 4-Bromofluorobenzene	12.674	95	182579	41.713	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 83.420%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	8472	2.633	ug/l	88
3) Chloromethane	2.263	50	13962	3.074	ug/l #	78
4) Vinyl Chloride	2.410	62	17159	3.192	ug/l #	86
5) Bromomethane	2.787	94	14425	3.840	ug/l	82
6) Chloroethane	2.957	64	10226m	2.569	ug/l	
7) Trichlorofluoromethane	3.310	101	15218	2.867	ug/l	86
8) Diethyl Ether	3.757	74	6635	2.962	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.134	101	8885	2.793	ug/l #	76
10) Methyl Iodide	4.351	142	9177	2.496	ug/l	94
11) Tert butyl alcohol	5.287	59	16631	14.800	ug/l	96
12) 1,1-Dichloroethene	4.110	96	8407	2.716	ug/l #	75
13) Acrolein	3.987	56	11133	14.915	ug/l	99
14) Allyl chloride	4.757	41	17446	2.570	ug/l	95
15) Acrylonitrile	5.469	53	32864	12.784	ug/l	94
16) Acetone	4.228	43	33338	14.374	ug/l	91
17) Carbon Disulfide	4.451	76	22376	2.660	ug/l #	94
18) Methyl Acetate	4.781	43	22658	3.314	ug/l	98
19) Methyl tert-butyl Ether	5.534	73	33594	2.697	ug/l #	90
20) Methylene Chloride	5.004	84	11364m	2.838	ug/l	
21) trans-1,2-Dichloroethene	5.510	96	8615	2.484	ug/l	87
22) Diisopropyl ether	6.416	45	33228	2.431	ug/l	98
23) Vinyl Acetate	6.345	43	150437	12.331	ug/l	95
24) 1,1-Dichloroethane	6.304	63	18643	2.654	ug/l #	95
25) 2-Butanone	7.257	43	52437	13.469	ug/l	91
26) 2,2-Dichloropropane	7.257	77	14616	2.300	ug/l	91
27) cis-1,2-Dichloroethene	7.257	96	10750	2.516	ug/l	92
28) Bromochloromethane	7.586	49	7578	3.033	ug/l #	84
29) Tetrahydrofuran	7.622	42	33854	13.154	ug/l	99
30) Chloroform	7.739	83	18572	2.649	ug/l	84
31) Cyclohexane	8.022	56	23054	3.374	ug/l #	66
32) 1,1,1-Trichloroethane	7.939	97	15555	2.473	ug/l	99
36) 1,1-Dichloropropene	8.151	75	13170	2.584	ug/l	99
37) Ethyl Acetate	7.345	43	19538	2.642	ug/l #	84
38) Carbon Tetrachloride	8.139	117	12857	2.443	ug/l #	86
39) Methylcyclohexane	9.392	83	15018	2.325	ug/l	99
40) Benzene	8.392	78	40511	2.596	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	8608	2.346	ug/l #	74
42) 1,2-Dichloroethane	8.463	62	16441	2.756	ug/l	87
43) Isopropyl Acetate	8.498	43	29038	2.401	ug/l	98
44) Trichloroethene	9.151	130	11522	3.293	ug/l	70
45) 1,2-Dichloropropane	9.422	63	11211	2.706	ug/l #	86
46) Dibromomethane	9.516	93	7199	2.538	ug/l	94
47) Bromodichloromethane	9.698	83	14313	2.531	ug/l #	97
48) Methyl methacrylate	9.492	41	13549	2.542	ug/l	99
49) 1,4-Dioxane	9.510	88	6809	60.630	ug/l	92
51) 4-Methyl-2-Pentanone	10.269	43	101621	12.851	ug/l	94
52) Toluene	10.445	92	23516	2.437	ug/l	94
53) t-1,3-Dichloropropene	10.663	75	13502	2.165	ug/l	98
54) cis-1,3-Dichloropropene	10.127	75	16022	2.410	ug/l #	81
55) 1,1,2-Trichloroethane	10.845	97	8969	2.254	ug/l	91
56) Ethyl methacrylate	10.704	69	15436	2.284	ug/l	87
57) 1,3-Dichloropropane	10.986	76	17133	2.464	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.980	63	37345	11.876	ug/l	96
59) 2-Hexanone	11.027	43	74027	12.131	ug/l	97
60) Dibromochloromethane	11.180	129	10007	2.484	ug/l	93
61) 1,2-Dibromoethane	11.292	107	10013	2.446	ug/l	91
64) Tetrachloroethene	10.910	164	7151	2.673	ug/l #	75
65) Chlorobenzene	11.710	112	24820	2.608	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.780	131	9821	2.642	ug/l	91
67) Ethyl Benzene	11.786	91	43698	2.431	ug/l #	86
68) m/p-Xylenes	11.892	106	32076	4.747	ug/l	98
69) o-Xylene	12.221	106	16264	2.395	ug/l	100
70) Styrene	12.245	104	24135	2.235	ug/l	94
71) Bromoform	12.392	173	7022	2.522	ug/l #	100
73) Isopropylbenzene	12.521	105	39052	2.480	ug/l	99
74) N-amyl acetate	12.339	43	22770	2.484	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.768	83	17143	2.897	ug/l	97
76) 1,2,3-Trichloropropane	12.827	75	9631m	2.248	ug/l	
77) Bromobenzene	12.804	156	9694	2.868	ug/l	86
78) n-propylbenzene	12.863	91	42822	2.374	ug/l	99
79) 2-Chlorotoluene	12.951	91	29213	2.657	ug/l	96
80) 1,3,5-Trimethylbenzene	13.004	105	30488	2.334	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.574	75	4469	2.325	ug/l #	84
82) 4-Chlorotoluene	13.051	91	27059	2.550	ug/l	97
83) tert-Butylbenzene	13.268	119	28592	2.431	ug/l	92
84) 1,2,4-Trimethylbenzene	13.315	105	31746	2.452	ug/l	98
85) sec-Butylbenzene	13.445	105	37097	2.318	ug/l	96
86) p-Isopropyltoluene	13.557	119	27912	2.179	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	15802	2.529	ug/l	95
88) 1,4-Dichlorobenzene	13.639	146	15601	2.471	ug/l	77
89) n-Butylbenzene	13.886	91	23054	2.115	ug/l	98
90) Hexachloroethane	14.157	117	6559	2.424	ug/l	95
91) 1,2-Dichlorobenzene	13.927	146	16626	2.530	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.551	75	4377	2.718	ug/l	92
93) 1,2,4-Trichlorobenzene	15.198	180	7909	2.415	ug/l	98
94) Hexachlorobutadiene	15.298	225	4142	2.791	ug/l	94
95) Naphthalene	15.445	128	29616	2.312	ug/l	94
96) 1,2,3-Trichlorobenzene	15.633	180	8133	2.400	ug/l	90

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

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