

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091622\
 Data File : VN074501.D
 Acq On : 16 Sep 2022 11:19
 Operator : JC\MD
 Sample : VN0916WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBS01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/17/2022
 Supervised By : Mahesh Dadoda 09/19/2022

Quant Time: Sep 16 16:14:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	288735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	548659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	492846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	205460	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	247304	50.480	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.960%			
35) Dibromofluoromethane	7.945	113	186662	51.215	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.440%			
50) Toluene-d8	10.381	98	731183	51.875	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.740%			
62) 4-Bromofluorobenzene	12.675	95	240755	49.871	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.740%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	51474	16.380	ug/l	89
3) Chloromethane	2.263	50	103202	19.683	ug/l	98
4) Vinyl Chloride	2.405	62	118944	21.029	ug/l	91
5) Bromomethane	2.787	94	80269	26.909	ug/l	91
6) Chloroethane	2.963	64	81909	21.200	ug/l #	88
7) Trichlorofluoromethane	3.310	101	108209	17.324	ug/l	99
8) Diethyl Ether	3.757	74	53946	16.936	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.134	101	66933	17.320	ug/l	91
10) Methyl Iodide	4.352	142	79735	17.491	ug/l	93
11) Tert butyl alcohol	5.281	59	138722	86.924	ug/l	99
12) 1,1-Dichloroethene	4.116	96	66625	17.949	ug/l	92
13) Acrolein	3.981	56	59310	101.767	ug/l	91
14) Allyl chloride	4.757	41	170048	18.727	ug/l #	93
15) Acrylonitrile	5.463	53	331386	92.428	ug/l	99
16) Acetone	4.216	43	287228	91.622	ug/l	96
17) Carbon Disulfide	4.452	76	175998	16.878	ug/l	99
18) Methyl Acetate	4.769	43	182496	18.743	ug/l #	87
19) Methyl tert-butyl Ether	5.528	73	288288	17.988	ug/l	99
20) Methylene Chloride	5.010	84	92515	19.349	ug/l #	83
21) trans-1,2-Dichloroethene	5.510	96	74717	18.164	ug/l #	93
22) Diisopropyl ether	6.410	45	349816	19.185	ug/l #	93
23) Vinyl Acetate	6.346	43	1560658	97.043	ug/l #	91
24) 1,1-Dichloroethane	6.298	63	168703	18.510	ug/l	98
25) 2-Butanone	7.251	43	505017	97.027	ug/l	89
26) 2,2-Dichloropropane	7.240	77	133849	17.034	ug/l	100
27) cis-1,2-Dichloroethene	7.245	96	93257	17.443	ug/l	91
28) Bromochloromethane	7.581	49	53831	20.041	ug/l #	64
29) Tetrahydrofuran	7.604	42	333262	97.383	ug/l #	85
30) Chloroform	7.745	83	153955	18.301	ug/l	99
31) Cyclohexane	8.022	56	152192	17.502	ug/l	90
32) 1,1,1-Trichloroethane	7.945	97	130293	17.660	ug/l	97
36) 1,1-Dichloropropene	8.151	75	111257	17.246	ug/l	96
37) Ethyl Acetate	7.334	43	196753	19.749	ug/l #	94
38) Carbon Tetrachloride	8.134	117	102188	17.157	ug/l	87
39) Methylcyclohexane	9.392	83	137858	17.971	ug/l	94
40) Benzene	8.387	78	371475	18.622	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	89281	18.536	ug/l	86
42) 1,2-Dichloroethane	8.463	62	120437	17.593	ug/l	98
43) Isopropyl Acetate	8.492	43	294317	18.860	ug/l #	91
44) Trichloroethene	9.151	130	72753	16.854	ug/l	85
45) 1,2-Dichloropropane	9.428	63	103490	18.877	ug/l	99
46) Dibromomethane	9.516	93	62535	18.212	ug/l #	84
47) Bromodichloromethane	9.704	83	123184	18.299	ug/l #	97
48) Methyl methacrylate	9.498	41	126756	18.318	ug/l #	85
49) 1,4-Dioxane	9.504	88	47705	358.591	ug/l #	90
51) 4-Methyl-2-Pentanone	10.269	43	1019357	100.028	ug/l	88
52) Toluene	10.445	92	218694	18.695	ug/l	97
53) t-1,3-Dichloropropene	10.663	75	143509	18.291	ug/l	95
54) cis-1,3-Dichloropropene	10.128	75	149566	17.814	ug/l #	82
55) 1,1,2-Trichloroethane	10.839	97	91468	18.460	ug/l	94
56) Ethyl methacrylate	10.704	69	163508	18.473	ug/l #	80
57) 1,3-Dichloropropane	10.986	76	163205	18.786	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.981	63	372476	95.622	ug/l	90
59) 2-Hexanone	11.028	43	765138	98.353	ug/l	88
60) Dibromochloromethane	11.180	129	85091	17.939	ug/l	97
61) 1,2-Dibromoethane	11.286	107	88841	18.456	ug/l	99
64) Tetrachloroethene	10.916	164	58242	17.220	ug/l	93
65) Chlorobenzene	11.710	112	221325	17.888	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.786	131	78375	17.435	ug/l	96
67) Ethyl Benzene	11.786	91	407617	17.944	ug/l	99
68) m/p-Xylenes	11.892	106	300568	35.787	ug/l	93
69) o-Xylene	12.222	106	159544	18.631	ug/l	99
70) Styrene	12.239	104	244018	17.131	ug/l	98
71) Bromoform	12.398	173	55942	16.932	ug/l #	97
73) Isopropylbenzene	12.522	105	390620	18.568	ug/l	98
74) N-amyl acetate	12.333	43	249310	18.954	ug/l #	87
75) 1,1,2,2-Tetrachloroethane	12.769	83	151191	17.934	ug/l	99
76) 1,2,3-Trichloropropane	12.822	75	94153m	14.888	ug/l	
77) Bromobenzene	12.804	156	81963	18.238	ug/l	77
78) n-propylbenzene	12.863	91	460007	18.359	ug/l	95
79) 2-Chlorotoluene	12.951	91	278477	18.618	ug/l	95
80) 1,3,5-Trimethylbenzene	13.004	105	314287	18.326	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.569	75	53402	18.225	ug/l	93
82) 4-Chlorotoluene	13.045	91	251210	17.669	ug/l	97
83) tert-Butylbenzene	13.263	119	281505	18.036	ug/l	96
84) 1,2,4-Trimethylbenzene	13.310	105	320313	18.560	ug/l	96
85) sec-Butylbenzene	13.445	105	395537	18.457	ug/l	97
86) p-Isopropyltoluene	13.557	119	306602	18.352	ug/l	98
87) 1,3-Dichlorobenzene	13.557	146	149118	18.057	ug/l	97
88) 1,4-Dichlorobenzene	13.633	146	140424	16.919	ug/l	92
89) n-Butylbenzene	13.886	91	268241	17.813	ug/l	97
90) Hexachloroethane	14.151	117	63438	17.451	ug/l	75
91) 1,2-Dichlorobenzene	13.927	146	149745	17.479	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	28210	15.154	ug/l	87
93) 1,2,4-Trichlorobenzene	15.198	180	64275	15.747	ug/l	96
94) Hexachlorobutadiene	15.304	225	31624	17.629	ug/l	98
95) Naphthalene	15.439	128	294774	17.818	ug/l	99
96) 1,2,3-Trichlorobenzene	15.633	180	70760	17.619	ug/l	96

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

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