

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074319.D
 Acq On : 03 Sep 2022 16:07
 Operator : JC\MD
 Sample : VN0903WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0903WBSD01

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/06/2022
 Supervised By : Mahesh Dadoda 09/07/2022

Quant Time: Sep 05 05:35:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	308871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	569272	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	530425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	241094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	256062	53.183	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.360%			
35) Dibromofluoromethane	7.951	113	198702	52.674	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.340%			
50) Toluene-d8	10.380	98	778677	52.348	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.700%			
62) 4-Bromofluorobenzene	12.668	95	259921	47.881	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.760%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	59840	20.458	ug/l	96
3) Chloromethane	2.269	50	64470	15.278	ug/l	96
4) Vinyl Chloride	2.404	62	130703	16.645	ug/l	96
5) Bromomethane	2.781	94	85840	16.261	ug/l	87
6) Chloroethane	2.957	64	121661	19.673	ug/l	93
7) Trichlorofluoromethane	3.310	101	102658	18.497	ug/l	93
8) Diethyl Ether	3.769	74	44118	19.523	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.134	101	67412	20.030	ug/l	93
10) Methyl Iodide	4.340	142	33164	17.605	ug/l #	84
11) Tert butyl alcohol	5.292	59	89208	102.126	ug/l	98
12) 1,1-Dichloroethene	4.110	96	60134	19.779	ug/l	97
13) Acrolein	3.975	56	52894	89.969	ug/l	97
14) Allyl chloride	4.751	41	95642	19.562	ug/l #	87
15) Acrylonitrile	5.469	53	243740	101.460	ug/l	98
16) Acetone	4.210	43	197143	97.972	ug/l	89
17) Carbon Disulfide	4.451	76	127731	16.823	ug/l	99
18) Methyl Acetate	4.763	43	118295	19.533	ug/l	100
19) Methyl tert-butyl Ether	5.528	73	250635	20.798	ug/l	96
20) Methylene Chloride	5.016	84	78309	20.777	ug/l	93
21) trans-1,2-Dichloroethene	5.516	96	66983	19.221	ug/l	94
22) Diisopropyl ether	6.410	45	237226	20.667	ug/l	93
23) Vinyl Acetate	6.351	43	1004686	100.701	ug/l	98
24) 1,1-Dichloroethane	6.298	63	137922	19.948	ug/l	99
25) 2-Butanone	7.251	43	345480	101.673	ug/l	97
26) 2,2-Dichloropropane	7.245	77	107000	19.048	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	88243	19.906	ug/l	97
28) Bromochloromethane	7.586	49	48125	20.231	ug/l	82
29) Tetrahydrofuran	7.610	42	220385	101.650	ug/l	98
30) Chloroform	7.745	83	155958	20.391	ug/l	97
31) Cyclohexane	8.022	56	117434	18.262	ug/l	98
32) 1,1,1-Trichloroethane	7.939	97	128295	20.224	ug/l	99
36) 1,1-Dichloropropene	8.145	75	101467	18.952	ug/l	97
37) Ethyl Acetate	7.334	43	135175	19.304	ug/l	97
38) Carbon Tetrachloride	8.133	117	104635	19.346	ug/l	93
39) Methylcyclohexane	9.392	83	126060	19.542	ug/l	99
40) Benzene	8.392	78	331221	19.611	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	59310	18.832	ug/l	95
42) 1,2-Dichloroethane	8.463	62	127682	20.323	ug/l	97
43) Isopropyl Acetate	8.492	43	207771	20.418	ug/l	97
44) Trichloroethene	9.145	130	78995	19.653	ug/l	96
45) 1,2-Dichloropropane	9.422	63	88011	20.949	ug/l	94
46) Dibromomethane	9.510	93	63510	19.825	ug/l	86
47) Bromodichloromethane	9.698	83	122106	20.787	ug/l	93
48) Methyl methacrylate	9.498	41	88921	19.884	ug/l #	84
49) 1,4-Dioxane	9.504	88	45834	398.242	ug/l #	90
51) 4-Methyl-2-Pentanone	10.269	43	736398	103.450	ug/l	97
52) Toluene	10.445	92	222597	21.327	ug/l	98
53) t-1,3-Dichloropropene	10.657	75	126702	21.185	ug/l	99
54) cis-1,3-Dichloropropene	10.127	75	135066	20.584	ug/l	94
55) 1,1,2-Trichloroethane	10.839	97	95289	21.279	ug/l	96
56) Ethyl methacrylate	10.698	69	142663	21.399	ug/l	91
57) 1,3-Dichloropropane	10.986	76	158078	20.641	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.980	63	326683	100.162	ug/l	97
59) 2-Hexanone	11.027	43	575047	106.738	ug/l	95
60) Dibromochloromethane	11.180	129	91306	20.545	ug/l	97
61) 1,2-Dibromoethane	11.286	107	97842	21.808	ug/l	98
64) Tetrachloroethene	10.916	164	67563	20.262	ug/l	92
65) Chlorobenzene	11.710	112	238618	20.494	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.780	131	82158	19.069	ug/l	96
67) Ethyl Benzene	11.780	91	431447	20.185	ug/l	98
68) m/p-Xylenes	11.892	106	325219	40.759	ug/l	96
69) o-Xylene	12.221	106	162647	20.423	ug/l	97
70) Styrene	12.233	104	261365	20.495	ug/l	97
71) Bromoform	12.398	173	64824	20.776	ug/l #	97
73) Isopropylbenzene	12.516	105	420364	19.911	ug/l	97
74) N-amyl acetate	12.327	43	180819	20.082	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.768	83	158778	20.270	ug/l	98
76) 1,2,3-Trichloropropane	12.816	75	122278m	17.908	ug/l	
77) Bromobenzene	12.804	156	95745	20.430	ug/l	89
78) n-propylbenzene	12.857	91	495763	20.544	ug/l	96
79) 2-Chlorotoluene	12.945	91	299055	20.184	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	358223	21.162	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.563	75	41516	19.737	ug/l	87
82) 4-Chlorotoluene	13.045	91	286536	20.600	ug/l	98
83) tert-Butylbenzene	13.263	119	306383	19.942	ug/l	96
84) 1,2,4-Trimethylbenzene	13.304	105	362979	21.169	ug/l	97
85) sec-Butylbenzene	13.439	105	439915	20.510	ug/l	97
86) p-Isopropyltoluene	13.551	119	355966	21.304	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	177481	20.688	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	172331	20.251	ug/l	97
89) n-Butylbenzene	13.880	91	303276	20.804	ug/l	93
90) Hexachloroethane	14.145	117	63277	19.468	ug/l	80
91) 1,2-Dichlorobenzene	13.927	146	181993	20.238	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.539	75	32474	19.097	ug/l	85
93) 1,2,4-Trichlorobenzene	15.192	180	85924	19.824	ug/l	99
94) Hexachlorobutadiene	15.298	225	40090	21.275	ug/l	98
95) Naphthalene	15.433	128	331988	19.499	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	90307	20.161	ug/l	99

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

