

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091222\
 Data File : VN074411.D
 Acq On : 12 Sep 2022 14:10
 Operator : JC\MD
 Sample : VN0912WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBSD01

Manual Integrations
 APPROVED

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

Quant Time: Sep 13 05:54:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090922W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 06:10:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	239397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	439483	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	395874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	188096	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	225468	54.436	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.880%			
35) Dibromofluoromethane	7.951	113	161204	54.333	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.660%			
50) Toluene-d8	10.381	98	604524	52.292	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.580%			
62) 4-Bromofluorobenzene	12.675	95	213069	50.764	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.520%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.046	85	62615	20.182	ug/l	94
3) Chloromethane	2.263	50	89866	23.426	ug/l	94
4) Vinyl Chloride	2.405	62	119141	22.986	ug/l	96
5) Bromomethane	2.793	94	84379	23.297	ug/l	100
6) Chloroethane	2.958	64	70433m	19.301	ug/l	
7) Trichlorofluoromethane	3.310	101	106444	20.799	ug/l	95
8) Diethyl Ether	3.769	74	46413	21.493	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.140	101	64107	20.903	ug/l	98
10) Methyl Iodide	4.346	142	73334	20.685	ug/l	96
11) Tert butyl alcohol	5.287	59	122773	113.324	ug/l	100
12) 1,1-Dichloroethene	4.116	96	56373	18.890	ug/l	95
13) Acrolein	3.975	56	65916	91.596	ug/l	99
14) Allyl chloride	4.763	41	128982	19.704	ug/l	97
15) Acrylonitrile	5.469	53	282821	114.106	ug/l	99
16) Acetone	4.216	43	253724	113.467	ug/l	98
17) Carbon Disulfide	4.452	76	160277	19.761	ug/l	96
18) Methyl Acetate	4.775	43	141404	21.451	ug/l	97
19) Methyl tert-butyl Ether	5.534	73	251947	20.976	ug/l	99
20) Methylene Chloride	5.010	84	76563	22.508	ug/l	95
21) trans-1,2-Dichloroethene	5.516	96	64064	19.158	ug/l #	88
22) Diisopropyl ether	6.410	45	270331	20.511	ug/l	97
23) Vinyl Acetate	6.346	43	1271928	108.134	ug/l	99
24) 1,1-Dichloroethane	6.304	63	135433	19.998	ug/l	98
25) 2-Butanone	7.257	43	428013	114.027	ug/l	94
26) 2,2-Dichloropropane	7.245	77	105669	17.247	ug/l	99
27) cis-1,2-Dichloroethene	7.251	96	78792	19.125	ug/l	98
28) Bromochloromethane	7.587	49	42385	20.349	ug/l	96
29) Tetrahydrofuran	7.610	42	285720	115.150	ug/l	98
30) Chloroform	7.745	83	144147	21.323	ug/l	100
31) Cyclohexane	8.016	56	131376	19.944	ug/l #	92
32) 1,1,1-Trichloroethane	7.940	97	122637	20.222	ug/l	99
36) 1,1-Dichloropropene	8.151	75	98108	20.072	ug/l	98
37) Ethyl Acetate	7.334	43	161144	22.727	ug/l	98
38) Carbon Tetrachloride	8.134	117	106353	21.076	ug/l	89
39) Methylcyclohexane	9.392	83	121475	19.609	ug/l	98
40) Benzene	8.387	78	307639	20.557	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	73140	20.789	ug/l	87
42) 1,2-Dichloroethane	8.463	62	124502	21.761	ug/l	99
43) Isopropyl Acetate	8.492	43	245343	21.158	ug/l	99
44) Trichloroethene	9.151	130	71495	21.309	ug/l	99
45) 1,2-Dichloropropane	9.428	63	82629	20.799	ug/l	93
46) Dibromomethane	9.516	93	57785	21.244	ug/l	99
47) Bromodichloromethane	9.698	83	114701	21.155	ug/l	99
48) Methyl methacrylate	9.498	41	109641	21.455	ug/l	95
49) 1,4-Dioxane	9.504	88	48399	449.421	ug/l	96
51) 4-Methyl-2-Pentanone	10.269	43	874841	115.367	ug/l	98
52) Toluene	10.445	92	196800	21.264	ug/l	99
53) t-1,3-Dichloropropene	10.657	75	124333	20.787	ug/l	91
54) cis-1,3-Dichloropropene	10.128	75	129108	20.248	ug/l	98
55) 1,1,2-Trichloroethane	10.845	97	82398	21.599	ug/l	97
56) Ethyl methacrylate	10.704	69	140777	21.718	ug/l	95
57) 1,3-Dichloropropane	10.986	76	145552	21.828	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.981	63	289785	96.103	ug/l	98
59) 2-Hexanone	11.028	43	674533	115.268	ug/l	96
60) Dibromochloromethane	11.181	129	83925	21.728	ug/l	98
61) 1,2-Dibromoethane	11.286	107	84696	21.580	ug/l	99
64) Tetrachloroethene	10.922	164	54999	20.494	ug/l	86
65) Chlorobenzene	11.710	112	202846	21.250	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.780	131	75276	20.188	ug/l	100
67) Ethyl Benzene	11.786	91	380032	21.078	ug/l	98
68) m/p-Xylenes	11.898	106	286244	42.232	ug/l	97
69) o-Xylene	12.222	106	141926	20.831	ug/l	98
70) Styrene	12.233	104	236120	21.799	ug/l	98
71) Bromoform	12.398	173	60250	21.572	ug/l #	98
73) Isopropylbenzene	12.522	105	365603	20.231	ug/l	99
74) N-amyl acetate	12.333	43	218262	22.928	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.769	83	148432	21.856	ug/l	98
76) 1,2,3-Trichloropropane	12.822	75	110692m	22.511	ug/l	
77) Bromobenzene	12.804	156	80956	20.867	ug/l	94
78) n-propylbenzene	12.863	91	428958	20.720	ug/l	98
79) 2-Chlorotoluene	12.951	91	259275	20.541	ug/l	98
80) 1,3,5-Trimethylbenzene	13.004	105	307295	20.496	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.569	75	45333	20.550	ug/l	91
82) 4-Chlorotoluene	13.045	91	238749	19.604	ug/l	96
83) tert-Butylbenzene	13.269	119	275445	20.406	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	308593	20.766	ug/l	99
85) sec-Butylbenzene	13.445	105	385307	20.976	ug/l	100
86) p-Isopropyltoluene	13.557	119	302123	20.548	ug/l	99
87) 1,3-Dichlorobenzene	13.557	146	147600	20.578	ug/l	97
88) 1,4-Dichlorobenzene	13.639	146	141529	19.532	ug/l	96
89) n-Butylbenzene	13.886	91	254765	20.362	ug/l	99
90) Hexachloroethane	14.157	117	63915	20.577	ug/l	97
91) 1,2-Dichlorobenzene	13.933	146	153706	20.376	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.545	75	33348	20.835	ug/l	94
93) 1,2,4-Trichlorobenzene	15.198	180	76563	20.368	ug/l	99
94) Hexachlorobutadiene	15.304	225	33807	19.843	ug/l	99
95) Naphthalene	15.439	128	316308	21.509	ug/l	99
96) 1,2,3-Trichlorobenzene	15.633	180	79657	20.478	ug/l	99

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

