

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070722\
 Data File : VN073377.D
 Acq On : 07 Jul 2022 17:35
 Operator : JC\MD
 Sample : N3616-05MSD
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 GWOW-BR-03-102-122-070622MSD

Quant Time: Jul 08 03:03:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/08/2022
 Supervised By : Mahesh Dadoda 07/08/2022

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	535777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	904323	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	858624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	412386	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	355839	46.007	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.020%		
35) Dibromofluoromethane	7.951	113	301507	50.113	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.220%		
50) Toluene-d8	10.380	98	1007120	47.130	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.260%		
62) 4-Bromofluorobenzene	12.669	95	438679	53.419	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	106.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.046	85	162787	20.782	ug/l	99
3) Chloromethane	2.263	50	154757	20.350	ug/l	100
4) Vinyl Chloride	2.405	62	135558	20.979	ug/l	99
5) Bromomethane	2.781	94	52101	17.072	ug/l	97
6) Chloroethane	2.952	64	85496	22.493	ug/l	99
7) Trichlorofluoromethane	3.304	101	205187	18.368	ug/l	100
8) Diethyl Ether	3.757	74	104525	22.985	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.134	101	132021	20.001	ug/l	98
10) Methyl Iodide	4.346	142	148493	19.486	ug/l	95
11) Tert butyl alcohol	5.293	59	260070	138.804	ug/l	99
12) 1,1-Dichloroethene	4.110	96	132710	21.041	ug/l	96
13) Acrolein	3.981	56	144602	122.102	ug/l	97
14) Allyl chloride	4.751	41	290543	21.867	ug/l #	92
15) Acrylonitrile	5.475	53	609047	126.273	ug/l	99
16) Acetone	4.222	43	571697	131.681	ug/l	95
17) Carbon Disulfide	4.451	76	327268	20.011	ug/l	99
18) Methyl Acetate	4.775	43	284283	23.366	ug/l	91
19) Methyl tert-butyl Ether	5.534	73	528545	22.993	ug/l	99
20) Methylene Chloride	5.016	84	162480	21.295	ug/l	91
21) trans-1,2-Dichloroethene	5.510	96	141557	21.480	ug/l	95
22) Diisopropyl ether	6.410	45	580615	23.418	ug/l	95
23) Vinyl Acetate	6.351	43	2398698	108.058	ug/l	94
24) 1,1-Dichloroethane	6.304	63	289359	22.552	ug/l	99
25) 2-Butanone	7.257	43	905895	131.058	ug/l	90
26) 2,2-Dichloropropane	7.245	77	185227	15.609	ug/l	100
27) cis-1,2-Dichloroethene	7.245	96	176235	22.083	ug/l	99
28) Bromochloromethane	7.587	49	129579	24.114	ug/l	85
29) Tetrahydrofuran	7.610	42	606915	128.233	ug/l #	86
30) Chloroform	7.745	83	296594	22.951	ug/l	98
31) Cyclohexane	8.016	56	256503	20.249	ug/l	89
32) 1,1,1-Trichloroethane	7.939	97	255567	22.192	ug/l	100
36) 1,1-Dichloropropene	8.151	75	203503	21.982	ug/l	98
37) Ethyl Acetate	7.340	43	326625	23.350	ug/l #	95
38) Carbon Tetrachloride	8.128	117	206906	21.612	ug/l	99
39) Methylcyclohexane	9.392	83	241184	20.926	ug/l	91
40) Benzene	8.386	78	648542	22.699	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	153366	22.607	ug/l	93
42) 1,2-Dichloroethane	8.463	62	238711	23.049	ug/l	98
43) Isopropyl Acetate	8.492	43	476437	23.699	ug/l	93
44) Trichloroethene	9.151	130	158692	21.826	ug/l	94
45) 1,2-Dichloropropane	9.428	63	169677	23.300	ug/l	99
46) Dibromomethane	9.516	93	115143	23.287	ug/l	91
47) Bromodichloromethane	9.698	83	231128	24.135	ug/l	96
48) Methyl methacrylate	9.498	41	226797	24.365	ug/l	89
49) 1,4-Dioxane	9.504	88	103511	585.787	ug/l #	94
51) 4-Methyl-2-Pentanone	10.269	43	1703502	133.621	ug/l	90
52) Toluene	10.445	92	403755	22.867	ug/l	100
53) t-1,3-Dichloropropene	10.657	75	248337	23.556	ug/l	99
54) cis-1,3-Dichloropropene	10.128	75	259099	22.765	ug/l #	90
55) 1,1,2-Trichloroethane	10.839	97	167923	23.101	ug/l	98
56) Ethyl methacrylate	10.704	69	288233	24.533	ug/l #	85
57) 1,3-Dichloropropane	10.986	76	290190	23.288	ug/l	100
59) 2-Hexanone	11.028	43	1340240	137.914	ug/l	89
60) Dibromochloromethane	11.175	129	174374	25.161	ug/l	100
61) 1,2-Dibromoethane	11.286	107	175734	24.204	ug/l	99
64) Tetrachloroethene	10.916	164	137973	19.679	ug/l	94
65) Chlorobenzene	11.710	112	426981	21.988	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.780	131	159295	22.302	ug/l	100
67) Ethyl Benzene	11.786	91	786013	22.295	ug/l	97
68) m/p-Xylenes	11.892	106	590393	44.374	ug/l	95
69) o-Xylene	12.216	106	304048	22.385	ug/l	99
70) Styrene	12.233	104	494599	23.586	ug/l	99
71) Bromoform	12.398	173	127467	24.389	ug/l #	97
73) Isopropylbenzene	12.516	105	773314	21.716	ug/l	99
74) N-amyl acetate	12.327	43	376235	21.100	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.769	83	274794	23.254	ug/l	100
76) 1,2,3-Trichloropropane	12.822	75	241744m	22.419	ug/l	
77) Bromobenzene	12.798	156	179271	21.652	ug/l	87
78) n-propylbenzene	12.857	91	897798	22.694	ug/l	97
79) 2-Chlorotoluene	12.945	91	548650	21.912	ug/l	96
80) 1,3,5-Trimethylbenzene	12.998	105	636684	21.935	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.563	75	86602	22.026	ug/l	94
82) 4-Chlorotoluene	13.045	91	525005	21.658	ug/l	97
83) tert-Butylbenzene	13.263	119	561990	21.596	ug/l	95
84) 1,2,4-Trimethylbenzene	13.304	105	634667	21.901	ug/l	96
85) sec-Butylbenzene	13.439	105	786501	22.508	ug/l	99
86) p-Isopropyltoluene	13.557	119	637327	22.579	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	315400	21.234	ug/l	99
88) 1,4-Dichlorobenzene	13.633	146	316504	21.267	ug/l	97
89) n-Butylbenzene	13.880	91	529098	22.494	ug/l	98
90) Hexachloroethane	14.145	117	121783	23.151	ug/l	85
91) 1,2-Dichlorobenzene	13.927	146	333844	22.064	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	71371	24.849	ug/l	88
93) 1,2,4-Trichlorobenzene	15.192	180	172051	21.838	ug/l	98
94) Hexachlorobutadiene	15.298	225	72219	20.620	ug/l	99
95) Naphthalene	15.433	128	710660	22.360	ug/l	100
96) 1,2,3-Trichlorobenzene	15.621	180	177395	21.828	ug/l	99

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

