

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071422\
 Data File : VN073461.D
 Acq On : 14 Jul 2022 15:15
 Operator : JC\MD
 Sample : VN0714WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0714WBS02

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/15/2022
 Supervised By : Mahesh Dadoda 07/15/2022

Quant Time: Jul 15 02:01:38 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

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	201425	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	354565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	324387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	152610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	159585	54.882	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.760%			
35) Dibromofluoromethane	7.951	113	125484	53.194	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.380%			
50) Toluene-d8	10.381	98	420325	50.168	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.340%			
62) 4-Bromofluorobenzene	12.669	95	166542	51.725	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.460%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	52501	17.828	ug/l	98
3) Chloromethane	2.263	50	50195	17.557	ug/l	100
4) Vinyl Chloride	2.405	62	44851	18.463	ug/l	94
5) Bromomethane	2.799	94	24188	21.081	ug/l	99
6) Chloroethane	2.963	64	28552	19.981	ug/l	94
7) Trichlorofluoromethane	3.316	101	76430	18.199	ug/l	96
8) Diethyl Ether	3.763	74	35090	20.525	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.140	101	47303	19.062	ug/l	97
10) Methyl Iodide	4.351	142	48055	17.180	ug/l	97
11) Tert butyl alcohol	5.293	59	81805	116.135	ug/l	99
12) 1,1-Dichloroethene	4.110	96	45377	19.137	ug/l	98
13) Acrolein	3.981	56	22403	50.318	ug/l	99
14) Allyl chloride	4.763	41	102582	20.536	ug/l #	91
15) Acrylonitrile	5.475	53	215331	118.751	ug/l	99
16) Acetone	4.222	43	201917	123.709	ug/l	95
17) Carbon Disulfide	4.457	76	99213	16.136	ug/l	98
18) Methyl Acetate	4.775	43	118097	25.819	ug/l #	88
19) Methyl tert-butyl Ether	5.540	73	187050	21.644	ug/l	98
20) Methylene Chloride	5.016	84	58294	20.323	ug/l	89
21) trans-1,2-Dichloroethene	5.522	96	46002	18.567	ug/l	97
22) Diisopropyl ether	6.416	45	210605	22.594	ug/l	96
23) Vinyl Acetate	6.351	43	892132	106.900	ug/l #	93
24) 1,1-Dichloroethane	6.310	63	106161	22.009	ug/l	100
25) 2-Butanone	7.257	43	329433	126.772	ug/l #	89
26) 2,2-Dichloropropane	7.245	77	84987	19.050	ug/l	98
27) cis-1,2-Dichloroethene	7.245	96	59660	19.884	ug/l	92
28) Bromochloromethane	7.587	49	49242	24.375	ug/l #	80
29) Tetrahydrofuran	7.610	42	215603	121.170	ug/l #	86
30) Chloroform	7.745	83	107269	22.080	ug/l	97
31) Cyclohexane	8.022	56	88409	18.565	ug/l	91
32) 1,1,1-Trichloroethane	7.939	97	88909	20.535	ug/l	98
36) 1,1-Dichloropropene	8.151	75	71475	19.691	ug/l	95
37) Ethyl Acetate	7.334	43	118797	21.661	ug/l	96
38) Carbon Tetrachloride	8.134	117	70915	18.892	ug/l	96
39) Methylcyclohexane	9.392	83	78623	17.398	ug/l	92
40) Benzene	8.392	78	227320	20.293	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.569	41	60760	22.843	ug/l #	87
42) 1,2-Dichloroethane	8.463	62	85138	20.967	ug/l	98
43) Isopropyl Acetate	8.492	43	176225	22.358	ug/l #	92
44) Trichloroethene	9.151	130	53124	18.635	ug/l	98
45) 1,2-Dichloropropane	9.428	63	60801	21.295	ug/l	98
46) Dibromomethane	9.516	93	39950	20.607	ug/l	92
47) Bromodichloromethane	9.698	83	81676	21.753	ug/l	98
48) Methyl methacrylate	9.498	41	74976	20.544	ug/l	88
49) 1,4-Dioxane	9.504	88	33794	487.776	ug/l #	89
51) 4-Methyl-2-Pentanone	10.269	43	604686	120.974	ug/l	90
52) Toluene	10.445	92	138418	19.994	ug/l	100
53) t-1,3-Dichloropropene	10.663	75	84076	20.340	ug/l	97
54) cis-1,3-Dichloropropene	10.128	75	90641	20.312	ug/l #	84
55) 1,1,2-Trichloroethane	10.839	97	58463	20.513	ug/l	97
56) Ethyl methacrylate	10.704	69	93537	20.305	ug/l #	82
57) 1,3-Dichloropropane	10.986	76	102507	20.981	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.981	63	222129	108.122	ug/l	93
59) 2-Hexanone	11.028	43	465640	122.209	ug/l	88
60) Dibromochloromethane	11.180	129	58320	21.463	ug/l	97
61) 1,2-Dibromoethane	11.286	107	58424	20.523	ug/l	97
64) Tetrachloroethene	10.916	164	50704	19.142	ug/l	93
65) Chlorobenzene	11.710	112	143337	19.538	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.780	131	54432	20.171	ug/l	98
67) Ethyl Benzene	11.786	91	261415	19.627	ug/l	100
68) m/p-Xylenes	11.892	106	196436	39.079	ug/l	96
69) o-Xylene	12.222	106	97688	19.037	ug/l	94
70) Styrene	12.233	104	160268	20.229	ug/l	99
71) Bromoform	12.398	173	41355	20.944	ug/l #	97
73) Isopropylbenzene	12.522	105	255604	19.396	ug/l	99
74) N-amyl acetate	12.327	43	128464	19.468	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.769	83	94050	21.506	ug/l	98
76) 1,2,3-Trichloropropane	12.822	75	70880m	17.762	ug/l	
77) Bromobenzene	12.798	156	59171	19.312	ug/l	83
78) n-propylbenzene	12.857	91	290070	19.813	ug/l	97
79) 2-Chlorotoluene	12.945	91	182272	19.671	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	210148	19.564	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.563	75	28203	19.383	ug/l	94
82) 4-Chlorotoluene	13.045	91	173782	19.373	ug/l	96
83) tert-Butylbenzene	13.263	119	187468	19.467	ug/l	95
84) 1,2,4-Trimethylbenzene	13.310	105	213334	19.892	ug/l	96
85) sec-Butylbenzene	13.439	105	258361	19.980	ug/l	98
86) p-Isopropyltoluene	13.557	119	209197	20.027	ug/l	98
87) 1,3-Dichlorobenzene	13.551	146	105029	19.107	ug/l	97
88) 1,4-Dichlorobenzene	13.633	146	105324	19.124	ug/l	99
89) n-Butylbenzene	13.880	91	167468	19.239	ug/l	96
90) Hexachloroethane	14.145	117	38751	19.906	ug/l	83
91) 1,2-Dichlorobenzene	13.927	146	109715	19.594	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	21383	20.117	ug/l	91
93) 1,2,4-Trichlorobenzene	15.192	180	57072	19.575	ug/l	98
94) Hexachlorobutadiene	15.298	225	26154	20.179	ug/l	95
95) Naphthalene	15.433	128	224395	19.078	ug/l	100
96) 1,2,3-Trichlorobenzene	15.627	180	61816	20.553	ug/l	95

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

