

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061622\
 Data File : VN072882.D
 Acq On : 16 Jun 2022 11:52
 Operator : JC\MD
 Sample : VSTDICC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC020

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/20/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 17 05:34:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061622W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 17 05:32:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	281003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	448628	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	447390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	212332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	106740	20.560	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	41.120%#		
35) Dibromofluoromethane	7.951	113	84834	20.817	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	41.640%#		
50) Toluene-d8	10.375	98	325617	20.413	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	40.820%#		
62) 4-Bromofluorobenzene	12.669	95	109051	19.708	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	39.420%#		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.046	85	80245	20.490	ug/l	99
3) Chloromethane	2.275	50	85187	18.964	ug/l	98
4) Vinyl Chloride	2.410	62	68411	19.850	ug/l	100
5) Bromomethane	2.810	94	31471	23.368	ug/l	97
6) Chloroethane	2.975	64	39045	19.270	ug/l	96
7) Trichlorofluoromethane	3.316	101	128655	19.670	ug/l	95
8) Diethyl Ether	3.769	74	55880	20.278	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.146	101	72086	19.483	ug/l	97
10) Methyl Iodide	4.357	142	93219	19.933	ug/l	99
11) Tert butyl alcohol	5.293	59	127458	94.292	ug/l	100
12) 1,1-Dichloroethene	4.116	96	75048	19.151	ug/l	89
13) Acrolein	3.987	56	38982	91.405	ug/l	97
14) Allyl chloride	4.763	41	149280	18.793	ug/l	96
15) Acrylonitrile	5.475	53	294924	100.541	ug/l	99
16) Acetone	4.228	43	253848	96.872	ug/l	96
17) Carbon Disulfide	4.457	76	201500	18.999	ug/l	99
18) Methyl Acetate	4.787	43	136870	18.322	ug/l	94
19) Methyl tert-butyl Ether	5.540	73	282385	19.696	ug/l	94
20) Methylene Chloride	5.016	84	90285	19.263	ug/l	92
21) trans-1,2-Dichloroethene	5.516	96	80339	19.377	ug/l	99
22) Diisopropyl ether	6.410	45	291003	19.816	ug/l	93
23) Vinyl Acetate	6.351	43	1336670	100.145	ug/l	96
24) 1,1-Dichloroethane	6.304	63	153242	19.931	ug/l	99
25) 2-Butanone	7.263	43	409501	98.117	ug/l	92
26) 2,2-Dichloropropane	7.245	77	133839	19.270	ug/l	99
27) cis-1,2-Dichloroethene	7.245	96	97938	19.487	ug/l	100
28) Bromochloromethane	7.587	49	64200	19.487	ug/l	93
29) Tetrahydrofuran	7.616	42	279031	100.846	ug/l	91
30) Chloroform	7.745	83	157406	19.839	ug/l	95
31) Cyclohexane	8.022	56	135534	19.472	ug/l	92
32) 1,1,1-Trichloroethane	7.939	97	138866	19.765	ug/l	98
36) 1,1-Dichloropropene	8.145	75	111110	19.964	ug/l	99
37) Ethyl Acetate	7.340	43	161621	20.066	ug/l	98
38) Carbon Tetrachloride	8.134	117	116100	19.376	ug/l	99
39) Methylcyclohexane	9.392	83	134527	19.475	ug/l	97
40) Benzene	8.392	78	354597	19.997	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.563	41	79477	18.954	ug/l	89
42) 1,2-Dichloroethane	8.463	62	128115	20.037	ug/l	100
43) Isopropyl Acetate	8.492	43	250997	20.022	ug/l	95
44) Trichloroethene	9.145	130	93218	19.662	ug/l	98
45) 1,2-Dichloropropane	9.422	63	89526	20.008	ug/l	99
46) Dibromomethane	9.510	93	62569	20.150	ug/l	97
47) Bromodichloromethane	9.692	83	126148	20.056	ug/l	99
48) Methyl methacrylate	9.492	41	113830	19.880	ug/l	93
49) 1,4-Dioxane	9.504	88	46907	386.737	ug/l #	94
51) 4-Methyl-2-Pentanone	10.269	43	809849	99.865	ug/l	92
52) Toluene	10.439	92	223463	19.473	ug/l	100
53) t-1,3-Dichloropropene	10.651	75	138817	19.371	ug/l	94
54) cis-1,3-Dichloropropene	10.122	75	150302	20.201	ug/l	93
55) 1,1,2-Trichloroethane	10.833	97	93632	20.210	ug/l	98
56) Ethyl methacrylate	10.698	69	157541	20.024	ug/l	89
57) 1,3-Dichloropropane	10.980	76	156296	19.769	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.975	63	264875	95.242	ug/l	99
59) 2-Hexanone	11.022	43	597624	99.245	ug/l	91
60) Dibromochloromethane	11.175	129	98141	19.744	ug/l	100
61) 1,2-Dibromoethane	11.280	107	99038	19.642	ug/l	99
64) Tetrachloroethene	10.910	164	83707	19.487	ug/l	94
65) Chlorobenzene	11.704	112	231911	19.673	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.775	131	93615	20.541	ug/l	98
67) Ethyl Benzene	11.780	91	408215	19.604	ug/l	99
68) m/p-Xylenes	11.886	106	311835	38.983	ug/l	98
69) o-Xylene	12.216	106	160896	19.604	ug/l	100
70) Styrene	12.227	104	245862	19.354	ug/l	99
71) Bromoform	12.392	173	72125	19.586	ug/l #	100
73) Isopropylbenzene	12.516	105	397346	19.623	ug/l	100
74) N-amyl acetate	12.327	43	172749	19.936	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.763	83	135567	20.476	ug/l	98
76) 1,2,3-Trichloropropane	12.816	75	122334m	19.326	ug/l	
77) Bromobenzene	12.792	156	94115	19.888	ug/l	96
78) n-propylbenzene	12.857	91	416695	19.732	ug/l	100
79) 2-Chlorotoluene	12.939	91	266763	19.380	ug/l	100
80) 1,3,5-Trimethylbenzene	12.992	105	321100	19.788	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.563	75	43793	19.733	ug/l	98
82) 4-Chlorotoluene	13.039	91	245738	19.371	ug/l	99
83) tert-Butylbenzene	13.257	119	279639	19.253	ug/l	97
84) 1,2,4-Trimethylbenzene	13.304	105	309575	19.844	ug/l	98
85) sec-Butylbenzene	13.433	105	373946	19.859	ug/l	100
86) p-Isopropyltoluene	13.551	119	303387	19.962	ug/l	99
87) 1,3-Dichlorobenzene	13.545	146	151028	19.592	ug/l	100
88) 1,4-Dichlorobenzene	13.627	146	146288	18.847	ug/l	98
89) n-Butylbenzene	13.874	91	228728	19.580	ug/l	99
90) Hexachloroethane	14.145	117	61830	18.817	ug/l	93
91) 1,2-Dichlorobenzene	13.921	146	153037	19.629	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.539	75	31102	19.355	ug/l	91
93) 1,2,4-Trichlorobenzene	15.192	180	77412	19.869	ug/l	99
94) Hexachlorobutadiene	15.292	225	37245	19.313	ug/l	99
95) Naphthalene	15.427	128	275898	20.509	ug/l	99
96) 1,2,3-Trichlorobenzene	15.621	180	80202	20.730	ug/l	98

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

