

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021722\
 Data File : VN070973.D
 Acq On : 17 Feb 2022 11:31
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/18/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 18 00:41:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	634105	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	977924	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	917251	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	394829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	362882	50.098	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.200%			
35) Dibromofluoromethane	8.016	113	292138	50.224	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.440%			
50) Toluene-d8	10.439	98	1168469	50.021	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.727	95	404688	48.468	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.940%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	347388	52.746	ug/l	100
3) Chloromethane	2.299	50	440638	53.228	ug/l	98
4) Vinyl Chloride	2.446	62	434532	52.436	ug/l	96
5) Bromomethane	2.834	94	235020	49.924	ug/l	98
6) Chloroethane	3.010	64	267197	49.148	ug/l	97
7) Trichlorofluoromethane	3.369	101	523630	50.421	ug/l	99
8) Diethyl Ether	3.816	74	224713	49.775	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.198	101	329615	51.731	ug/l	96
10) Methyl Iodide	4.410	142	458247	51.929	ug/l	98
11) Tert butyl alcohol	5.387	59	377110	285.672	ug/l	99
12) 1,1-Dichloroethene	4.169	96	319548	51.474	ug/l	97
13) Acrolein	4.034	56	332018	281.468	ug/l	100
14) Allyl chloride	4.828	41	614626	51.913	ug/l	88
15) Acrylonitrile	5.551	53	1156433	297.409	ug/l	99
16) Acetone	4.281	43	970235	243.218	ug/l	94
17) Carbon Disulfide	4.516	76	853719	47.955	ug/l	100
18) Methyl Acetate	4.851	43	505045	57.916	ug/l	100
19) Methyl tert-butyl Ether	5.616	73	1184183	54.379	ug/l	98
20) Methylene Chloride	5.087	84	383647	52.918	ug/l	94
21) trans-1,2-Dichloroethene	5.587	96	344304	51.674	ug/l	92
22) Diisopropyl ether	6.492	45	1286925	56.674	ug/l	94
23) Vinyl Acetate	6.428	43	5584689	290.536	ug/l	99
24) 1,1-Dichloroethane	6.381	63	691981	54.362	ug/l	100
25) 2-Butanone	7.334	43	1560740	294.106	ug/l	97
26) 2,2-Dichloropropane	7.322	77	548215	51.820	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	415376	54.240	ug/l	94
28) Bromochloromethane	7.651	49	263147	51.076	ug/l	88
29) Tetrahydrofuran	7.681	42	1043263	303.469	ug/l	95
30) Chloroform	7.816	83	678832	54.221	ug/l	100
31) Cyclohexane	8.086	56	653584	52.172	ug/l	94
32) 1,1,1-Trichloroethane	8.010	97	584926	54.101	ug/l	99
36) 1,1-Dichloropropene	8.216	75	511072	53.629	ug/l	97
37) Ethyl Acetate	7.410	43	615824	60.255	ug/l	100
38) Carbon Tetrachloride	8.198	117	502843	53.553	ug/l	98
39) Methylcyclohexane	9.451	83	647823	52.830	ug/l	95
40) Benzene	8.457	78	1554719	55.154	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.633	41	317529	58.990	ug/l	88
42) 1,2-Dichloroethane	8.522	62	535451	55.773	ug/l	98
43) Isopropyl Acetate	8.557	43	939459	58.317	ug/l	99
44) Trichloroethene	9.210	130	387808	52.245	ug/l	99
45) 1,2-Dichloropropane	9.486	63	409701	56.740	ug/l	98
46) Dibromomethane	9.575	93	261725	55.078	ug/l	100
47) Bromodichloromethane	9.757	83	532267	55.423	ug/l	99
48) Methyl methacrylate	9.557	41	460293	60.365	ug/l #	85
49) 1,4-Dioxane	9.563	88	175123	1293.074	ug/l	90
51) 4-Methyl-2-Pentanone	10.327	43	3046452	310.819	ug/l	97
52) Toluene	10.498	92	983732	55.537	ug/l	96
53) t-1,3-Dichloropropene	10.716	75	577789	55.329	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	638745	55.697	ug/l	95
55) 1,1,2-Trichloroethane	10.892	97	384391	55.440	ug/l	99
56) Ethyl methacrylate	10.757	69	627682	60.085	ug/l #	91
57) 1,3-Dichloropropane	11.039	76	679464	56.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	602263	258.014	ug/l	97
59) 2-Hexanone	11.080	43	2165084	321.185	ug/l	97
60) Dibromochloromethane	11.233	129	410498	56.023	ug/l	100
61) 1,2-Dibromoethane	11.345	107	398878	56.560	ug/l	100
64) Tetrachloroethene	10.974	164	355777	49.804	ug/l	97
65) Chlorobenzene	11.769	112	1049937	53.120	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	388318	53.897	ug/l	99
67) Ethyl Benzene	11.839	91	1894122	54.753	ug/l	97
68) m/p-Xylenes	11.951	106	1456395	108.991	ug/l	100
69) o-Xylene	12.274	106	720589	55.204	ug/l	99
70) Styrene	12.292	104	1172277	56.480	ug/l	99
71) Bromoform	12.451	173	318914	55.578	ug/l #	99
73) Isopropylbenzene	12.574	105	1848148	58.154	ug/l	100
74) N-amyl acetate	12.386	43	653552	64.334	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.821	83	588147	58.239	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	454209m	48.859	ug/l	
77) Bromobenzene	12.857	156	446279	57.363	ug/l	89
78) n-propylbenzene	12.916	91	2094000	58.644	ug/l	99
79) 2-Chlorotoluene	13.004	91	1261262	58.165	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	1508057	58.572	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.621	75	173887	60.613	ug/l	89
82) 4-Chlorotoluene	13.098	91	1207831	57.382	ug/l	96
83) tert-Butylbenzene	13.321	119	1353798	55.443	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1482041	58.475	ug/l	98
85) sec-Butylbenzene	13.498	105	1855114	57.658	ug/l	100
86) p-Isopropyltoluene	13.610	119	1531873	57.998	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	749279	54.406	ug/l	97
88) 1,4-Dichlorobenzene	13.692	146	722272	53.528	ug/l	98
89) n-Butylbenzene	13.939	91	1158499	53.760	ug/l	97
90) Hexachloroethane	14.204	117	278122	58.962	ug/l	93
91) 1,2-Dichlorobenzene	13.986	146	715782	55.348	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	100550	61.452	ug/l	94
93) 1,2,4-Trichlorobenzene	15.257	180	358971	49.408	ug/l	98
94) Hexachlorobutadiene	15.362	225	219819	46.612	ug/l	98
95) Naphthalene	15.504	128	898670	50.820	ug/l	99
96) 1,2,3-Trichlorobenzene	15.698	180	348102	51.848	ug/l	99

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

