

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061422\
 Data File : VN072832.D
 Acq On : 14 Jun 2022 13:46
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/15/2022
 Supervised By : Mahesh Dadoda 06/15/2022

Quant Time: Jun 14 14:08:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061422W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 14 14:06:22 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.080	168	316271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	574650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	525207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	203566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.433	65	237152	29.234	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	58.460%#		
35) Dibromofluoromethane	8.016	113	175671	33.142	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	66.280%#		
50) Toluene-d8	10.439	98	714817	33.587	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	67.180%		
62) 4-Bromofluorobenzene	12.727	95	246322	32.894	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	65.780%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.069	85	125428	27.384	ug/l	99
3) Chloromethane	2.293	50	142482	26.545	ug/l	99
4) Vinyl Chloride	2.434	62	115094	22.135	ug/l	99
5) Bromomethane	2.828	94	50018	24.321	ug/l	94
6) Chloroethane	2.998	64	76953	20.471	ug/l	97
7) Trichlorofluoromethane	3.357	101	232572	28.376	ug/l	97
8) Diethyl Ether	3.822	74	105428	32.320	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.204	101	139636	30.511	ug/l	95
10) Methyl Iodide	4.416	142	142102	43.879	ug/l	96
11) Tert butyl alcohol	5.363	59	258111	32.211	ug/l	99
12) 1,1-Dichloroethene	4.175	96	128629	30.998	ug/l	91
13) Acrolein	4.040	56	54753	132.162	ug/l	98
14) Allyl chloride	4.840	41	310328	32.119	ug/l #	93
15) Acrylonitrile	5.545	53	669341	172.325	ug/l	99
16) Acetone	4.281	43	601916	158.828	ug/l	92
17) Carbon Disulfide	4.528	76	258948	26.035	ug/l	98
18) Methyl Acetate	4.845	43	330205	33.113	ug/l	91
19) Methyl tert-butyl Ether	5.610	73	587167	30.667	ug/l	100
20) Methylene Chloride	5.087	84	176752	29.225	ug/l	88
21) trans-1,2-Dichloroethene	5.592	96	141859	30.368	ug/l	92
22) Diisopropyl ether	6.492	45	652612	32.455	ug/l #	96
23) Vinyl Acetate	6.428	43	2913044	160.771	ug/l	94
24) 1,1-Dichloroethane	6.381	63	320224	30.509	ug/l	99
25) 2-Butanone	7.328	43	989278	166.866	ug/l	90
26) 2,2-Dichloropropane	7.322	77	251515	26.162	ug/l	99
27) cis-1,2-Dichloroethene	7.322	96	189550	32.252	ug/l	94
28) Bromochloromethane	7.651	49	158887	31.677	ug/l #	82
29) Tetrahydrofuran	7.681	42	630114	171.304	ug/l	87
30) Chloroform	7.816	83	326791	30.126	ug/l	100
31) Cyclohexane	8.092	56	252318	29.111	ug/l	90
32) 1,1,1-Trichloroethane	8.010	97	272769	28.571	ug/l	97
36) 1,1-Dichloropropene	8.216	75	216596	29.080	ug/l	98
37) Ethyl Acetate	7.404	43	376250	32.824	ug/l	96
38) Carbon Tetrachloride	8.204	117	224817	28.945	ug/l	99
39) Methylcyclohexane	9.457	83	249492	29.536	ug/l	94
40) Benzene	8.457	78	705826	31.822	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.628	41	206455	37.726	ug/l #	81
42) 1,2-Dichloroethane	8.528	62	271415	28.713	ug/l	98
43) Isopropyl Acetate	8.557	43	568665	32.257	ug/l	93
44) Trichloroethene	9.216	130	169335	33.442	ug/l	90
45) 1,2-Dichloropropane	9.486	63	194203	31.172	ug/l	98
46) Dibromomethane	9.575	93	128078	30.884	ug/l	91
47) Bromodichloromethane	9.757	83	264764	30.786	ug/l	99
48) Methyl methacrylate	9.557	41	271136	32.936	ug/l	88
49) 1,4-Dioxane	9.563	88	101381	725.754	ug/l #	89
51) 4-Methyl-2-Pentanone	10.327	43	1963505	168.461	ug/l	90
52) Toluene	10.504	92	456501	32.470	ug/l	99
53) t-1,3-Dichloropropene	10.716	75	292903	32.146	ug/l	100
54) cis-1,3-Dichloropropene	10.186	75	307030	31.578	ug/l #	87
55) 1,1,2-Trichloroethane	10.892	97	199433	33.426	ug/l	98
56) Ethyl methacrylate	10.757	69	350916	33.862	ug/l #	85
57) 1,3-Dichloropropane	11.039	76	338641	31.702	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.039	63	760175	175.126	ug/l	94
59) 2-Hexanone	11.080	43	1497992	173.849	ug/l	89
60) Dibromochloromethane	11.233	129	206286	33.538	ug/l	98
61) 1,2-Dibromoethane	11.345	107	202233	33.625	ug/l	99
64) Tetrachloroethene	10.974	164	151913	39.056	ug/l	94
65) Chlorobenzene	11.768	112	480555	36.392	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.839	131	187308	37.420	ug/l	99
67) Ethyl Benzene	11.839	91	885884	36.112	ug/l	99
68) m/p-Xylenes	11.951	106	645640	73.347	ug/l	94
69) o-Xylene	12.274	106	329524	37.235	ug/l	95
70) Styrene	12.292	104	541601	38.389	ug/l	98
71) Bromoform	12.451	173	149244	40.661	ug/l #	100
73) Isopropylbenzene	12.574	105	870039	42.680	ug/l	98
74) N-amyl acetate	12.386	43	450522	46.218	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.821	83	315627	43.926	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	262065m	38.231	ug/l	
77) Bromobenzene	12.857	156	190368	45.827	ug/l	80
78) n-propylbenzene	12.915	91	972303	42.975	ug/l	97
79) 2-Chlorotoluene	13.004	91	613016	43.051	ug/l	95
80) 1,3,5-Trimethylbenzene	13.057	105	699565	42.546	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.621	75	100205	45.123	ug/l	93
82) 4-Chlorotoluene	13.104	91	576515	43.392	ug/l	96
83) tert-Butylbenzene	13.321	119	623865	42.485	ug/l	93
84) 1,2,4-Trimethylbenzene	13.363	105	696691	44.122	ug/l	94
85) sec-Butylbenzene	13.498	105	878388	44.684	ug/l	97
86) p-Isopropyltoluene	13.610	119	696185	45.482	ug/l	97
87) 1,3-Dichlorobenzene	13.610	146	326015	46.007	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	322749	46.158	ug/l	99
89) n-Butylbenzene	13.939	91	576803	44.565	ug/l	98
90) Hexachloroethane	14.210	117	136856	42.050	ug/l	82
91) 1,2-Dichlorobenzene	13.986	146	331991	47.167	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	67820	43.477	ug/l	86
93) 1,2,4-Trichlorobenzene	15.257	180	164282	51.275	ug/l	98
94) Hexachlorobutadiene	15.368	225	73711	47.806	ug/l	99
95) Naphthalene	15.504	128	642298	51.260	ug/l	100
96) 1,2,3-Trichlorobenzene	15.698	180	168707	50.789	ug/l	98

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

