

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020723\
 Data File : VN076562.D
 Acq On : 07 Feb 2023 13:19
 Operator : JC\MD
 Sample : VSTDICCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/08/2023
 Supervised By : Mahesh Dadoda 02/08/2023

Quant Time: Feb 08 09:00:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 08:54:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	594503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	999219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	903375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	427749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	344922	49.156	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.320%		
35) Dibromofluoromethane	8.171	113	308034	49.591	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.180%		
50) Toluene-d8	10.571	98	1187144	50.803	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.600%		
62) 4-Bromofluorobenzene	12.853	95	424629	51.581	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.160%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.142	85	328747	53.229	ug/l	100
3) Chloromethane	2.371	50	266137	46.888	ug/l	100
4) Vinyl Chloride	2.530	62	264781	50.803	ug/l	100
5) Bromomethane	2.954	94	172558	44.626	ug/l	100
6) Chloroethane	3.124	64	156635	49.686	ug/l	100
7) Trichlorofluoromethane	3.512	101	470621	45.813	ug/l	100
8) Diethyl Ether	3.977	74	193856	49.835	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.389	101	302202	47.487	ug/l	100
10) Methyl Iodide	4.601	142	469142	50.401	ug/l	100
11) Tert butyl alcohol	5.542	59	222059	242.963	ug/l	100
12) 1,1-Dichloroethene	4.353	96	290241	48.819	ug/l	100
13) Acrolein	4.195	56	302428	247.695	ug/l	100
14) Allyl chloride	5.042	41	371564	47.988	ug/l	100
15) Acrylonitrile	5.736	53	662265	241.469	ug/l	100
16) Acetone	4.442	43	535101	231.305	ug/l	100
17) Carbon Disulfide	4.730	76	753673	48.935	ug/l	100
18) Methyl Acetate	5.042	43	361100	49.333	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	967498	48.932	ug/l	100
20) Methylene Chloride	5.289	84	325893	45.697	ug/l	100
21) trans-1,2-Dichloroethene	5.800	96	312137	48.304	ug/l	100
22) Diisopropyl ether	6.683	45	865853	49.340	ug/l	100
23) Vinyl Acetate	6.618	43	2813120	255.394	ug/l	100
24) 1,1-Dichloroethane	6.583	63	538379	47.777	ug/l	100
25) 2-Butanone	7.489	43	814061	244.807	ug/l	100
26) 2,2-Dichloropropane	7.500	77	461501	49.062	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	364763	48.270	ug/l	100
28) Bromochloromethane	7.824	49	221961	49.160	ug/l	100
29) Tetrahydrofuran	7.847	42	531679	248.778	ug/l	100
30) Chloroform	7.971	83	582323	47.636	ug/l	100
31) Cyclohexane	8.265	56	509086	45.903	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	533617	48.715	ug/l	100
36) 1,1-Dichloropropene	8.377	75	433098	48.835	ug/l	100
37) Ethyl Acetate	7.571	43	334177	49.503	ug/l	100
38) Carbon Tetrachloride	8.365	117	468968	49.182	ug/l	100
39) Methylcyclohexane	9.606	83	560259	50.869	ug/l	100
40) Benzene	8.612	78	1314515	48.897	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	185086	49.197	ug/l	100
42) 1,2-Dichloroethane	8.677	62	416079	47.537	ug/l	100
43) Isopropyl Acetate	8.694	43	557575	50.431	ug/l	100
44) Trichloroethene	9.359	130	343456	47.842	ug/l	100
45) 1,2-Dichloropropane	9.624	63	317762	49.214	ug/l	100
46) Dibromomethane	9.712	93	219225	47.067	ug/l	100
47) Bromodichloromethane	9.888	83	459675	49.078	ug/l	100
48) Methyl methacrylate	9.683	41	270561	49.759	ug/l	100
49) 1,4-Dioxane	9.700	88	115589	993.755	ug/l	100
51) 4-Methyl-2-Pentanone	10.447	43	1667511	250.950	ug/l	100
52) Toluene	10.635	92	858442	49.480	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	475093	52.497	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	526741	51.041	ug/l	100
55) 1,1,2-Trichloroethane	11.018	97	325889	47.959	ug/l	100
56) Ethyl methacrylate	10.877	69	484232	53.245	ug/l	100
57) 1,3-Dichloropropane	11.165	76	535681	48.702	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	729216	280.584	ug/l	100
59) 2-Hexanone	11.200	43	1200507	253.421	ug/l	100
60) Dibromochloromethane	11.365	129	358673	50.086	ug/l	100
61) 1,2-Dibromoethane	11.471	107	332707	49.464	ug/l	100
64) Tetrachloroethene	11.106	164	328855	43.718	ug/l	100
65) Chlorobenzene	11.894	112	900106	48.181	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	334563	48.360	ug/l	100
67) Ethyl Benzene	11.965	91	1657041	49.910	ug/l	100
68) m/p-Xylenes	12.071	106	1298863	100.411	ug/l	100
69) o-Xylene	12.400	106	638478	50.405	ug/l	100
70) Styrene	12.412	104	1051063	52.171	ug/l	100
71) Bromoform	12.582	173	248274	51.413	ug/l #	100
73) Isopropylbenzene	12.700	105	1672912	47.754	ug/l	100
74) N-amyl acetate	12.494	43	484917	49.637	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	451799	47.052	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	340777m	40.263	ug/l	
77) Bromobenzene	12.982	156	375598	46.094	ug/l	100
78) n-propylbenzene	13.041	91	1914453	49.631	ug/l	100
79) 2-Chlorotoluene	13.129	91	1148813	46.753	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	1425489	49.029	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	133438m	51.897	ug/l	
82) 4-Chlorotoluene	13.129	91	1148813	46.753	ug/l	100
83) tert-Butylbenzene	13.441	119	1228844	47.187	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	1426154	49.290	ug/l	100
85) sec-Butylbenzene	13.618	105	1760721	50.138	ug/l	100
86) p-Isopropyltoluene	13.729	119	1476104	51.292	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	715469	47.706	ug/l	100
88) 1,4-Dichlorobenzene	13.812	146	707338	46.431	ug/l	100
89) n-Butylbenzene	14.059	91	1207755	52.999	ug/l	100
90) Hexachloroethane	14.335	117	247654	49.404	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	702515	47.512	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	81799	49.222	ug/l	100
93) 1,2,4-Trichlorobenzene	15.394	180	350363	51.712	ug/l	100
94) Hexachlorobutadiene	15.506	225	186209	48.877	ug/l	100
95) Naphthalene	15.641	128	1024669	51.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	328824	50.678	ug/l	100

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

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