

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012323\
 Data File : VN076355.D
 Acq On : 23 Jan 2023 10:17
 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 01/23/2023
 Supervised By : Mahesh Dadoda 01/25/2023

Quant Time: Jan 23 12:59:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	360494	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	576114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	518968	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	248688	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	203781	50.486	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.980%	
35) Dibromofluoromethane	8.171	113	180722	50.147	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.300%	
50) Toluene-d8	10.571	98	675909	50.784	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.560%	
62) 4-Bromofluorobenzene	12.853	95	232157	53.432	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.860%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	165184	44.714	ug/l	97
3) Chloromethane	2.371	50	171598	44.864	ug/l	98
4) Vinyl Chloride	2.530	62	225300	48.039	ug/l	100
5) Bromomethane	2.953	94	187464	48.810	ug/l	100
6) Chloroethane	3.124	64	172851	49.150	ug/l	98
7) Trichlorofluoromethane	3.512	101	292894	45.394	ug/l	100
8) Diethyl Ether	3.977	74	105220	48.619	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.389	101	168211	46.052	ug/l	99
10) Methyl Iodide	4.600	142	254948	45.695	ug/l	99
11) Tert butyl alcohol	5.536	59	112279	207.965	ug/l	98
12) 1,1-Dichloroethene	4.353	96	154449	44.731	ug/l	87
13) Acrolein	4.189	56	132444	205.129	ug/l	99
14) Allyl chloride	5.042	41	193940	48.198	ug/l	99
15) Acrylonitrile	5.730	53	352914	229.707	ug/l	100
16) Acetone	4.442	43	319575	246.976	ug/l	99
17) Carbon Disulfide	4.730	76	392101	45.607	ug/l	97
18) Methyl Acetate	5.036	43	192303	43.853	ug/l	99
19) Methyl tert-butyl Ether	5.806	73	544250	48.417	ug/l	98
20) Methylene Chloride	5.283	84	188691	49.273	ug/l	96
21) trans-1,2-Dichloroethene	5.800	96	166879	44.612	ug/l	98
22) Diisopropyl ether	6.683	45	476415	50.206	ug/l	97
23) Vinyl Acetate	6.612	43	1496210	243.970	ug/l	97
24) 1,1-Dichloroethane	6.583	63	298665	47.218	ug/l	98
25) 2-Butanone	7.488	43	452452	228.945	ug/l	97
26) 2,2-Dichloropropane	7.500	77	267397	50.158	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	203584	46.664	ug/l	98
28) Bromochloromethane	7.818	49	139665	54.477	ug/l	98
29) Tetrahydrofuran	7.847	42	290365	238.061	ug/l	97
30) Chloroform	7.971	83	335849	47.986	ug/l	99
31) Cyclohexane	8.265	56	258600	41.706	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	309257	48.398	ug/l	97
36) 1,1-Dichloropropene	8.377	75	238363	46.547	ug/l	99
37) Ethyl Acetate	7.565	43	185932	45.270	ug/l	98
38) Carbon Tetrachloride	8.371	117	281838	49.353	ug/l	98
39) Methylcyclohexane	9.606	83	302854	48.429	ug/l	97
40) Benzene	8.612	78	718544	46.925	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	101965	47.411	ug/l	97
42) 1,2-Dichloroethane	8.677	62	247775	47.293	ug/l	99
43) Isopropyl Acetate	8.694	43	317807	47.561	ug/l	99
44) Trichloroethene	9.359	130	193216	44.614	ug/l	96
45) 1,2-Dichloropropane	9.624	63	172983	47.184	ug/l	96
46) Dibromomethane	9.712	93	128757	46.517	ug/l	98
47) Bromodichloromethane	9.894	83	273679	50.978	ug/l	98
48) Methyl methacrylate	9.682	41	152492	48.205	ug/l	97
49) 1,4-Dioxane	9.694	88	63386	949.611	ug/l #	83
51) 4-Methyl-2-Pentanone	10.447	43	949464	242.048	ug/l	99
52) Toluene	10.635	92	475280	46.414	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	274554	53.647	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	301979	51.289	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	183807	46.960	ug/l	97
56) Ethyl methacrylate	10.876	69	254680	50.400	ug/l	99
57) 1,3-Dichloropropane	11.165	76	303745	47.753	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	407937	239.131	ug/l	100
59) 2-Hexanone	11.200	43	672934	236.736	ug/l	100
60) Dibromochloromethane	11.359	129	221168	53.678	ug/l	99
61) 1,2-Dibromoethane	11.470	107	188417	48.227	ug/l	98
64) Tetrachloroethene	11.106	164	199982	42.730	ug/l	99
65) Chlorobenzene	11.894	112	502748	45.828	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	202640	49.646	ug/l	99
67) Ethyl Benzene	11.965	91	922831	49.151	ug/l	99
68) m/p-Xylenes	12.070	106	725094	96.311	ug/l	100
69) o-Xylene	12.400	106	358434	48.480	ug/l	99
70) Styrene	12.412	104	588955	49.890	ug/l	99
71) Bromoform	12.582	173	160379	54.409	ug/l #	99
73) Isopropylbenzene	12.700	105	934631	48.581	ug/l	100
74) N-amyl acetate	12.494	43	264210	47.743	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	251056	45.394	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	222560m	49.108	ug/l	
77) Bromobenzene	12.982	156	216695	48.156	ug/l	97
78) n-propylbenzene	13.041	91	1072268	49.396	ug/l	99
79) 2-Chlorotoluene	13.129	91	618883	46.461	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	789818	49.004	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	77957	52.157	ug/l	97
82) 4-Chlorotoluene	13.129	91	618883	46.461	ug/l	99
83) tert-Butylbenzene	13.441	119	707593	49.362	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	785620	48.611	ug/l	100
85) sec-Butylbenzene	13.617	105	984375	49.489	ug/l	100
86) p-Isopropyltoluene	13.735	119	840639	51.395	ug/l	100
87) 1,3-Dichlorobenzene	13.735	146	412020	45.438	ug/l	100
88) 1,4-Dichlorobenzene	13.817	146	400166	46.399	ug/l	98
89) n-Butylbenzene	14.059	91	687301	52.933	ug/l	100
90) Hexachloroethane	14.335	117	158599	56.181	ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	401028	44.403	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	45551	47.382	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	204174	46.870	ug/l	99
94) Hexachlorobutadiene	15.506	225	108834	45.410	ug/l	96
95) Naphthalene	15.647	128	570056	44.334	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	196268	47.248	ug/l	99

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

