

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075624.D
 Acq On : 07 Dec 2022 22:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/08/2022
 Supervised By : Mahesh Dadoda 12/08/2022

Quant Time: Dec 08 00:24:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	189441	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	305963	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	277915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	52389	51.519	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.040%			
35) Dibromofluoromethane	8.171	113	66955	55.707	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.420%			
50) Toluene-d8	10.571	98	140668	51.963	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.920%			
62) 4-Bromofluorobenzene	12.853	95	110580	55.342	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.680%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	76523	52.826	ug/l	99
3) Chloromethane	2.371	50	88019	48.833	ug/l	96
4) Vinyl Chloride	2.524	62	114737	50.509	ug/l	96
5) Bromomethane	2.918	94	94406	47.260	ug/l	97
6) Chloroethane	3.095	64	87331	50.736	ug/l	99
7) Trichlorofluoromethane	3.489	101	163548	50.396	ug/l	98
8) Diethyl Ether	3.971	74	64390	56.611	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	93040	51.933	ug/l	91
10) Methyl Iodide	4.595	142	159177	54.832	ug/l	96
11) Tert butyl alcohol	5.547	59	101149	236.949	ug/l	98
12) 1,1-Dichloroethene	4.342	96	91692	52.266	ug/l	91
13) Acrolein	4.195	56	94947	255.315	ug/l	99
14) Allyl chloride	5.030	41	117595	51.822	ug/l	96
15) Acrylonitrile	5.730	53	235816	240.781	ug/l	99
16) Acetone	4.442	43	183101	193.040	ug/l	96
17) Carbon Disulfide	4.712	76	226522	49.685	ug/l	100
18) Methyl Acetate	5.042	43	124556	52.145	ug/l	94
19) Methyl tert-butyl Ether	5.806	73	334441	53.815	ug/l	98
20) Methylene Chloride	5.283	84	106076	55.285	ug/l	90
21) trans-1,2-Dichloroethene	5.794	96	99810	49.922	ug/l	99
22) Diisopropyl ether	6.683	45	278094	53.703	ug/l	99
23) Vinyl Acetate	6.612	43	1093962m	265.541	ug/l	
24) 1,1-Dichloroethane	6.577	63	173781	52.282	ug/l	96
25) 2-Butanone	7.488	43	300082	226.607	ug/l	100
26) 2,2-Dichloropropane	7.500	77	130005	42.084	ug/l	95
27) cis-1,2-Dichloroethene	7.494	96	121079	53.558	ug/l	91
28) Bromochloromethane	7.818	49	72727	53.903	ug/l #	80
29) Tetrahydrofuran	7.847	42	197191	244.808	ug/l	98
30) Chloroform	7.971	83	194005	50.826	ug/l	98
31) Cyclohexane	8.265	56	152161	47.097	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	177266	51.147	ug/l	96
36) 1,1-Dichloropropene	8.377	75	136360	52.024	ug/l	95
37) Ethyl Acetate	7.565	43	119954	50.825	ug/l	98
38) Carbon Tetrachloride	8.365	117	158907	55.189	ug/l	100
39) Methylcyclohexane	9.606	83	176997	53.955	ug/l	97
40) Benzene	8.612	78	429977	53.579	ug/l	98

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41) Methacrylonitrile	7.788	41	63754	52.837	ug/l	97
42) 1,2-Dichloroethane	8.677	62	143076	53.234	ug/l	97
43) Isopropyl Acetate	8.694	43	219498	57.941	ug/l	98
44) Trichloroethene	9.359	130	116187	52.912	ug/l	93
45) 1,2-Dichloropropane	9.624	63	103255	53.992	ug/l	98
46) Dibromomethane	9.712	93	80006	55.310	ug/l #	89
47) Bromodichloromethane	9.894	83	156493	55.866	ug/l	99
48) Methyl methacrylate	9.682	41	95551	54.548	ug/l	96
49) 1,4-Dioxane	9.706	88	51638	1038.156	ug/l	94
51) 4-Methyl-2-Pentanone	10.447	43	642309	266.204	ug/l	96
52) Toluene	10.635	92	285624	55.231	ug/l	98
53) t-1,3-Dichloropropene	10.841	75	159059	56.560	ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	172424	56.452	ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	114905	54.554	ug/l	96
56) Ethyl methacrylate	10.876	69	169926	59.739	ug/l	98
57) 1,3-Dichloropropane	11.165	76	185020	53.873	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	263788	257.133	ug/l	95
59) 2-Hexanone	11.200	43	486708	268.630	ug/l	98
60) Dibromochloromethane	11.365	129	131941	61.027	ug/l	99
61) 1,2-Dibromoethane	11.471	107	121533	55.592	ug/l	100
64) Tetrachloroethene	11.106	164	101670	47.905	ug/l	97
65) Chlorobenzene	11.894	112	311811	54.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	120600	56.301	ug/l	99
67) Ethyl Benzene	11.971	91	553399	56.517	ug/l	99
68) m/p-Xylenes	12.076	106	446055	112.178	ug/l	99
69) o-Xylene	12.400	106	222351	56.281	ug/l	95
70) Styrene	12.418	104	361523	58.007	ug/l	99
71) Bromoform	12.582	173	100418	61.594	ug/l #	100
73) Isopropylbenzene	12.700	105	576279	53.543	ug/l	98
74) N-amyl acetate	12.500	43	196173	59.287	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.941	83	170150	51.853	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	132442m	47.549	ug/l	
77) Bromobenzene	12.982	156	142002	53.442	ug/l	83
78) n-propylbenzene	13.041	91	651955	54.278	ug/l	99
79) 2-Chlorotoluene	13.129	91	383212	52.950	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	492543	55.082	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	47625	50.590	ug/l	96
82) 4-Chlorotoluene	13.129	91	383212	52.950	ug/l	97
83) tert-Butylbenzene	13.441	119	454648	55.765	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	501365	55.898	ug/l	98
85) sec-Butylbenzene	13.623	105	623759	56.386	ug/l	99
86) p-Isopropyltoluene	13.735	119	535026	57.484	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	271048	53.838	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	271828	53.153	ug/l	98
89) n-Butylbenzene	14.059	91	440113	55.987	ug/l	99
90) Hexachloroethane	14.335	117	91786	57.164	ug/l	78
91) 1,2-Dichlorobenzene	14.112	146	265149	54.031	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.723	75	32862	52.868	ug/l	80
93) 1,2,4-Trichlorobenzene	15.400	180	144277	57.370	ug/l	98
94) Hexachlorobutadiene	15.506	225	76114	58.105	ug/l	99
95) Naphthalene	15.647	128	438396	55.412	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	141078	57.077	ug/l	98

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

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