

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102622\
 Data File : VN075029.D
 Acq On : 26 Oct 2022 18:30
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/27/2022
 Supervised By : Mahesh Dadoda 10/31/2022

Quant Time: Oct 27 09:56:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 09:48:49 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	121744	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	227150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	212755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	121003	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	82664	50.394	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.780%			
35) Dibromofluoromethane	8.171	113	69502	52.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.240%			
50) Toluene-d8	10.571	98	273569	52.878	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.760%			
62) 4-Bromofluorobenzene	12.853	95	104099	57.280	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.560%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	82634	52.176	ug/l	100
3) Chloromethane	2.371	50	79878	47.483	ug/l	99
4) Vinyl Chloride	2.524	62	110241	45.937	ug/l	99
5) Bromomethane	2.918	94	89461	52.300	ug/l	89
6) Chloroethane	3.101	64	77171	44.844	ug/l	95
7) Trichlorofluoromethane	3.489	101	117146	47.785	ug/l	99
8) Diethyl Ether	3.971	74	43793	48.975	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.377	101	64648	47.750	ug/l	99
10) Methyl Iodide	4.589	142	99251	49.242	ug/l	98
11) Tert butyl alcohol	5.548	59	89919	235.059	ug/l	99
12) 1,1-Dichloroethene	4.348	96	61789	47.879	ug/l	94
13) Acrolein	4.189	56	74294	237.441	ug/l	99
14) Allyl chloride	5.036	41	92940	49.310	ug/l	97
15) Acrylonitrile	5.730	53	198006	245.032	ug/l	100
16) Acetone	4.442	43	160336	230.843	ug/l	96
17) Carbon Disulfide	4.718	76	152956	47.131	ug/l	99
18) Methyl Acetate	5.036	43	110774	48.825	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	239429	49.917	ug/l	96
20) Methylene Chloride	5.283	84	72274	46.669	ug/l	93
21) trans-1,2-Dichloroethene	5.795	96	68345	48.369	ug/l	99
22) Diisopropyl ether	6.689	45	201799	48.516	ug/l	98
23) Vinyl Acetate	6.612	43	849996m	244.718	ug/l	
24) 1,1-Dichloroethane	6.577	63	127067	48.302	ug/l	99
25) 2-Butanone	7.494	43	263568	241.255	ug/l	98
26) 2,2-Dichloropropane	7.500	77	115615	47.773	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	83861	49.698	ug/l	96
28) Bromochloromethane	7.824	49	54093	48.779	ug/l	95
29) Tetrahydrofuran	7.847	42	175692	248.872	ug/l	100
30) Chloroform	7.971	83	141082	49.395	ug/l	98
31) Cyclohexane	8.259	56	109968	45.075	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	131192	50.580	ug/l	98
36) 1,1-Dichloropropene	8.377	75	101757	49.290	ug/l	98
37) Ethyl Acetate	7.565	43	108977	48.133	ug/l	99
38) Carbon Tetrachloride	8.371	117	116438	51.273	ug/l	98
39) Methylcyclohexane	9.606	83	136500	50.084	ug/l	96
40) Benzene	8.612	78	310799	49.168	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	53924	49.713	ug/l	99
42) 1,2-Dichloroethane	8.677	62	109779	47.735	ug/l	98
43) Isopropyl Acetate	8.694	43	172553	49.134	ug/l	99
44) Trichloroethene	9.353	130	76695	48.361	ug/l	99
45) 1,2-Dichloropropane	9.624	63	73981	49.180	ug/l	98
46) Dibromomethane	9.712	93	57429	49.002	ug/l	98
47) Bromodichloromethane	9.894	83	111833	49.275	ug/l	100
48) Methyl methacrylate	9.683	41	78151	48.513	ug/l	98
49) 1,4-Dioxane	9.700	88	43551	1032.396	ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	554774	244.802	ug/l	99
52) Toluene	10.635	92	215973	51.112	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	123425	51.523	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	128181	50.449	ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	85006	50.737	ug/l	98
56) Ethyl methacrylate	10.877	69	134060	52.456	ug/l	97
57) 1,3-Dichloropropane	11.165	76	139198	49.889	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	250066	253.100	ug/l	98
59) 2-Hexanone	11.200	43	429740	249.851	ug/l	99
60) Dibromochloromethane	11.359	129	93802	53.066	ug/l	100
61) 1,2-Dibromoethane	11.471	107	90669	52.807	ug/l	99
64) Tetrachloroethene	11.106	164	64508	49.455	ug/l	90
65) Chlorobenzene	11.894	112	229510	50.538	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	87381	51.869	ug/l	99
67) Ethyl Benzene	11.965	91	418880	51.268	ug/l	99
68) m/p-Xylenes	12.077	106	347046	105.859	ug/l	99
69) o-Xylene	12.400	106	173009	53.363	ug/l	96
70) Styrene	12.412	104	285001	55.130	ug/l	98
71) Bromoform	12.582	173	70343	55.771	ug/l #	98
73) Isopropylbenzene	12.700	105	444358	45.743	ug/l	98
74) N-amyl acetate	12.494	43	161480	44.945	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	139710	49.743	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	125194m	48.728	ug/l	
77) Bromobenzene	12.982	156	100068	46.783	ug/l	96
78) n-propylbenzene	13.035	91	507553	46.536	ug/l	98
79) 2-Chlorotoluene	13.129	91	306171	45.939	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	395178	48.433	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	44289	44.251	ug/l	99
82) 4-Chlorotoluene	13.129	91	306171	45.939	ug/l	99
83) tert-Butylbenzene	13.441	119	347030	47.866	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	404236	48.966	ug/l	99
85) sec-Butylbenzene	13.618	105	497162	49.019	ug/l	100
86) p-Isopropyltoluene	13.729	119	430431	51.388	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	212618	50.768	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	209119	50.454	ug/l	99
89) n-Butylbenzene	14.059	91	345332	51.198	ug/l	99
90) Hexachloroethane	14.335	117	73992	48.180	ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	205951	49.466	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	31165	47.561	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	95266	53.173	ug/l	97
94) Hexachlorobutadiene	15.506	225	42611	48.786	ug/l	98
95) Naphthalene	15.641	128	368462	53.479	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	93437	52.488	ug/l	98

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

