

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122722\
 Data File : VN075987.D
 Acq On : 27 Dec 2022 16:44
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/28/2022
 Supervised By : Mahesh Dadoda 12/28/2022

Quant Time: Dec 28 04:45:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	291504	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	469596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	437328	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220661	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	156419	49.323	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.640%		
35) Dibromofluoromethane	8.171	113	147216	50.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.240%		
50) Toluene-d8	10.571	98	554365	50.984	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.960%		
62) 4-Bromofluorobenzene	12.853	95	195225	54.209	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.420%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.142	85	87915	42.476	ug/l	97
3) Chloromethane	2.371	50	102017	39.638	ug/l	99
4) Vinyl Chloride	2.530	62	133612	43.521	ug/l	99
5) Bromomethane	2.942	94	105976	40.617	ug/l	98
6) Chloroethane	3.124	64	98772	43.445	ug/l	98
7) Trichlorofluoromethane	3.506	101	216892	46.558	ug/l	96
8) Diethyl Ether	3.971	74	80435	47.273	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.383	101	132346	49.752	ug/l	99
10) Methyl Iodide	4.600	142	197158	45.669	ug/l	100
11) Tert butyl alcohol	5.530	59	99224	221.120	ug/l	99
12) 1,1-Dichloroethene	4.353	96	122137	47.275	ug/l	96
13) Acrolein	4.189	56	165365	300.591	ug/l	100
14) Allyl chloride	5.036	41	140379	46.480	ug/l	90
15) Acrylonitrile	5.730	53	286794	234.200	ug/l	100
16) Acetone	4.436	43	242657	221.968	ug/l	94
17) Carbon Disulfide	4.724	76	252091	40.300	ug/l	97
18) Methyl Acetate	5.036	43	150360	46.531	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	429361	50.466	ug/l	99
20) Methylene Chloride	5.283	84	140313	47.954	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	129615	45.810	ug/l	97
22) Diisopropyl ether	6.683	45	372335	50.749	ug/l	97
23) Vinyl Acetate	6.612	43	1233333	249.754	ug/l	99
24) 1,1-Dichloroethane	6.577	63	236585	48.351	ug/l	99
25) 2-Butanone	7.488	43	364588	238.186	ug/l	97
26) 2,2-Dichloropropane	7.494	77	210854	50.886	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	166296	49.143	ug/l	98
28) Bromochloromethane	7.818	49	98558	45.956	ug/l	100
29) Tetrahydrofuran	7.841	42	229932	239.702	ug/l	99
30) Chloroform	7.971	83	267788	48.608	ug/l	93
31) Cyclohexane	8.265	56	195440	43.031	ug/l	94
32) 1,1,1-Trichloroethane	8.171	97	242478	49.646	ug/l	98
36) 1,1-Dichloropropene	8.371	75	187251	48.471	ug/l	99
37) Ethyl Acetate	7.565	43	143573	46.268	ug/l	99
38) Carbon Tetrachloride	8.371	117	216585	50.092	ug/l	97
39) Methylcyclohexane	9.606	83	241662	51.852	ug/l	98
40) Benzene	8.612	78	574188	48.173	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	75600	46.871	ug/l	93
42) 1,2-Dichloroethane	8.677	62	188131	47.476	ug/l	98
43) Isopropyl Acetate	8.694	43	256889	50.186	ug/l	99
44) Trichloroethene	9.353	130	160704	47.859	ug/l	100
45) 1,2-Dichloropropane	9.624	63	142761	49.220	ug/l	100
46) Dibromomethane	9.712	93	104288	48.477	ug/l	100
47) Bromodichloromethane	9.888	83	215567	51.097	ug/l	98
48) Methyl methacrylate	9.682	41	119787	51.958	ug/l	99
49) 1,4-Dioxane	9.700	88	56050	988.922	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	785234	253.661	ug/l	99
52) Toluene	10.635	92	393829	50.733	ug/l	100
53) t-1,3-Dichloropropene	10.835	75	222256	53.819	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	241827	53.334	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	152018	49.893	ug/l	94
56) Ethyl methacrylate	10.876	69	220198	54.409	ug/l	98
57) 1,3-Dichloropropane	11.165	76	251234	50.269	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	341089	264.713	ug/l	100
59) 2-Hexanone	11.200	43	571873	253.318	ug/l	100
60) Dibromochloromethane	11.359	129	179402	52.945	ug/l	98
61) 1,2-Dibromoethane	11.471	107	156961	50.906	ug/l	99
64) Tetrachloroethene	11.106	164	150473	48.897	ug/l	99
65) Chlorobenzene	11.894	112	433389	48.283	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	166035	49.940	ug/l	100
67) Ethyl Benzene	11.965	91	774990	51.157	ug/l	99
68) m/p-Xylenes	12.076	106	613412	102.302	ug/l	99
69) o-Xylene	12.400	106	306453	51.646	ug/l	99
70) Styrene	12.412	104	507076	53.746	ug/l	98
71) Bromoform	12.582	173	128144	52.969	ug/l #	98
73) Isopropylbenzene	12.700	105	804509	50.452	ug/l	99
74) N-amyl acetate	12.494	43	232456	49.691	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	223767	45.393	ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	194469m	43.721	ug/l	
77) Bromobenzene	12.982	156	191140	47.364	ug/l	98
78) n-propylbenzene	13.041	91	926677	52.690	ug/l	99
79) 2-Chlorotoluene	13.129	91	537088	48.921	ug/l	100
80) 1,3,5-Trimethylbenzene	13.176	105	681507	51.065	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	63873	51.689	ug/l	99
82) 4-Chlorotoluene	13.129	91	537088	48.921	ug/l	100
83) tert-Butylbenzene	13.441	119	598469	50.861	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	686009	51.815	ug/l	99
85) sec-Butylbenzene	13.617	105	873096	53.759	ug/l	99
86) p-Isopropyltoluene	13.735	119	739959	54.755	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	367420	49.289	ug/l	99
88) 1,4-Dichlorobenzene	13.817	146	363249	47.701	ug/l	100
89) n-Butylbenzene	14.059	91	608279	55.561	ug/l	100
90) Hexachloroethane	14.335	117	130108	53.822	ug/l	99
91) 1,2-Dichlorobenzene	14.112	146	357326	48.665	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	38598	44.127	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	182814	50.291	ug/l	100
94) Hexachlorobutadiene	15.506	225	98954	49.894	ug/l	98
95) Naphthalene	15.647	128	518378	43.463	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	178002	52.391	ug/l	98

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

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