

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112222\
 Data File : VN075383.D
 Acq On : 22 Nov 2022 21:18
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/23/2022
 Supervised By : Mahesh Dadoda 11/25/2022

Quant Time: Nov 23 07:16:51 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	8.229	168	164815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	274771	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	249179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	133068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	45093	50.970	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.940%			
35) Dibromofluoromethane	8.171	113	54650	50.630	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.260%			
50) Toluene-d8	10.570	98	124969	51.405	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.800%			
62) 4-Bromofluorobenzene	12.847	95	95805	53.391	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	60640	48.117	ug/l	97
3) Chloromethane	2.371	50	72356	46.141	ug/l	98
4) Vinyl Chloride	2.524	62	95908	48.528	ug/l	95
5) Bromomethane	2.936	94	82874	47.685	ug/l	87
6) Chloroethane	3.112	64	72287	48.271	ug/l	99
7) Trichlorofluoromethane	3.506	101	133635	47.332	ug/l	94
8) Diethyl Ether	3.977	74	51956	52.504	ug/l	93
9) 1,1,2-Trichlorotrifluo...	4.377	101	76202	48.890	ug/l	95
10) Methyl Iodide	4.600	142	126052	49.909	ug/l	96
11) Tert butyl alcohol	5.535	59	89163	240.079	ug/l	98
12) 1,1-Dichloroethene	4.347	96	77034	50.472	ug/l	90
13) Acrolein	4.189	56	78122	241.460	ug/l	97
14) Allyl chloride	5.036	41	88093	44.621	ug/l	92
15) Acrylonitrile	5.730	53	209762	246.180	ug/l	99
16) Acetone	4.436	43	162828	197.317	ug/l	93
17) Carbon Disulfide	4.724	76	186090	46.915	ug/l	100
18) Methyl Acetate	5.041	43	109524	52.717	ug/l	95
19) Methyl tert-butyl Ether	5.806	73	268082	49.583	ug/l	98
20) Methylene Chloride	5.283	84	86722	51.872	ug/l	89
21) trans-1,2-Dichloroethene	5.794	96	84427	48.538	ug/l	99
22) Diisopropyl ether	6.682	45	225908	50.143	ug/l	98
23) Vinyl Acetate	6.612	43	814446	227.231	ug/l	98
24) 1,1-Dichloroethane	6.582	63	141909	49.073	ug/l	99
25) 2-Butanone	7.488	43	271229	235.421	ug/l	98
26) 2,2-Dichloropropane	7.494	77	121092	45.056	ug/l	96
27) cis-1,2-Dichloroethene	7.494	96	101506	51.609	ug/l	92
28) Bromochloromethane	7.818	49	59623	50.794	ug/l	83
29) Tetrahydrofuran	7.847	42	174192	248.567	ug/l	96
30) Chloroform	7.971	83	161396	48.601	ug/l	98
31) Cyclohexane	8.265	56	127187	45.249	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	147846	49.032	ug/l	96
36) 1,1-Dichloropropene	8.377	75	118264	50.242	ug/l	97
37) Ethyl Acetate	7.565	43	106275	50.141	ug/l	98
38) Carbon Tetrachloride	8.365	117	133359	51.574	ug/l	99
39) Methylcyclohexane	9.606	83	150136	50.962	ug/l	97
40) Benzene	8.612	78	354924	49.248	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	56089	51.761	ug/l	97
42) 1,2-Dichloroethane	8.671	62	119005	49.304	ug/l	97
43) Isopropyl Acetate	8.694	43	197883	58.165	ug/l	97
44) Trichloroethene	9.353	130	98946	50.175	ug/l	97
45) 1,2-Dichloropropane	9.623	63	85594	49.838	ug/l	97
46) Dibromomethane	9.712	93	66057	50.851	ug/l	92
47) Bromodichloromethane	9.888	83	128423	51.050	ug/l	95
48) Methyl methacrylate	9.682	41	78906	50.159	ug/l	95
49) 1,4-Dioxane	9.700	88	46811	1047.946	ug/l	92
51) 4-Methyl-2-Pentanone	10.447	43	559169	258.055	ug/l	96
52) Toluene	10.629	92	240925	51.876	ug/l	99
53) t-1,3-Dichloropropene	10.835	75	133837	52.994	ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	144730	52.764	ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	94124	49.760	ug/l	92
56) Ethyl methacrylate	10.876	69	140704	55.081	ug/l	96
57) 1,3-Dichloropropane	11.165	76	153687	49.829	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	265622	288.313	ug/l	95
59) 2-Hexanone	11.200	43	412618	253.590	ug/l	96
60) Dibromochloromethane	11.359	129	106470	54.837	ug/l	98
61) 1,2-Dibromoethane	11.470	107	100613	51.247	ug/l	99
64) Tetrachloroethene	11.106	164	89594	47.084	ug/l	89
65) Chlorobenzene	11.894	112	259828	50.492	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	97510	50.771	ug/l	98
67) Ethyl Benzene	11.964	91	465646	53.039	ug/l	97
68) m/p-Xylenes	12.070	106	374986	105.180	ug/l	99
69) o-Xylene	12.400	106	182479	51.515	ug/l	99
70) Styrene	12.412	104	301615	53.976	ug/l	98
71) Bromoform	12.582	173	80962	55.388	ug/l #	97
73) Isopropylbenzene	12.694	105	480131	49.387	ug/l	98
74) N-amyl acetate	12.494	43	157223	52.603	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.941	83	144186	48.646	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	122619m	48.736	ug/l	
77) Bromobenzene	12.982	156	117149	48.810	ug/l	85
78) n-propylbenzene	13.041	91	546682	50.387	ug/l	99
79) 2-Chlorotoluene	13.123	91	320746	49.065	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	410837	50.865	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	46513	54.699	ug/l	87
82) 4-Chlorotoluene	13.123	91	320746	49.065	ug/l	96
83) tert-Butylbenzene	13.441	119	362502	49.224	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	414319	51.139	ug/l	98
85) sec-Butylbenzene	13.617	105	511886	51.228	ug/l	99
86) p-Isopropyltoluene	13.729	119	444082	52.822	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	226684	49.848	ug/l	97
88) 1,4-Dichlorobenzene	13.811	146	228124	49.384	ug/l	98
89) n-Butylbenzene	14.058	91	370983	52.247	ug/l	99
90) Hexachloroethane	14.335	117	74683	51.493	ug/l	82
91) 1,2-Dichlorobenzene	14.106	146	221736	50.023	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	28236	50.290	ug/l	81
93) 1,2,4-Trichlorobenzene	15.394	180	122008	53.710	ug/l	97
94) Hexachlorobutadiene	15.500	225	61334	51.836	ug/l	99
95) Naphthalene	15.641	128	368553	51.572	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	116147	52.023	ug/l	98

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

