

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075622.D
 Acq On : 07 Dec 2022 21:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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

Quant Time: Dec 08 00:24:30 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	124005	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	230075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	199006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	91026	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	46896	70.452	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 140.900%#			
35) Dibromofluoromethane	8.171	113	58765	65.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 130.040%#			
50) Toluene-d8	10.571	98	97172	47.735	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.480%			
62) 4-Bromofluorobenzene	12.853	95	73904	49.187	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.380%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	32626	34.408	ug/l	93
3) Chloromethane	2.371	50	80364	68.113	ug/l	98
4) Vinyl Chloride	2.524	62	87851	59.080	ug/l	93
5) Bromomethane	2.918	94	88494	67.677	ug/l	91
6) Chloroethane	3.095	64	74733	66.328	ug/l	95
7) Trichlorofluoromethane	3.489	101	86182	40.570	ug/l	98
8) Diethyl Ether	3.971	74	65778	88.348	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	42000	35.814	ug/l	90
10) Methyl Iodide	4.595	142	145993	76.828	ug/l	94
11) Tert butyl alcohol	5.547	59	109938	393.437	ug/l	97
12) 1,1-Dichloroethene	4.342	96	62456	54.387	ug/l	87
13) Acrolein	4.189	56	98335	403.959	ug/l	98
14) Allyl chloride	5.030	41	91586	61.657	ug/l	93
15) Acrylonitrile	5.730	53	243224	379.394	ug/l	99
16) Acetone	4.436	43	191276	308.072	ug/l	97
17) Carbon Disulfide	4.718	76	152801	51.200	ug/l	96
18) Methyl Acetate	5.036	43	130715	84.402	ug/l	95
19) Methyl tert-butyl Ether	5.806	73	335697	82.521	ug/l	99
20) Methylene Chloride	5.277	84	103777	83.277	ug/l	89
21) trans-1,2-Dichloroethene	5.795	96	77025	58.856	ug/l	94
22) Diisopropyl ether	6.683	45	269922	79.630	ug/l	98
23) Vinyl Acetate	6.612	43	1111785m	412.273	ug/l	
24) 1,1-Dichloroethane	6.577	63	156706	72.024	ug/l	97
25) 2-Butanone	7.489	43	308075	355.405	ug/l	98
26) 2,2-Dichloropropane	7.500	77	84530	41.803	ug/l	92
27) cis-1,2-Dichloroethene	7.494	96	106661	72.077	ug/l	91
28) Bromochloromethane	7.818	49	67206	76.096	ug/l	85
29) Tetrahydrofuran	7.847	42	202426	383.919	ug/l	98
30) Chloroform	7.971	83	176857	70.783	ug/l	100
31) Cyclohexane	8.259	56	66326	31.362	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	124114	54.708	ug/l	97
36) 1,1-Dichloropropene	8.377	75	83352	42.289	ug/l	97
37) Ethyl Acetate	7.571	43	124679	70.252	ug/l	98
38) Carbon Tetrachloride	8.371	117	93542	43.203	ug/l	99
39) Methylcyclohexane	9.606	83	73285	29.709	ug/l	96
40) Benzene	8.612	78	347707	57.619	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	64893	71.520	ug/l	97
42) 1,2-Dichloroethane	8.677	62	138901	68.727	ug/l	94
43) Isopropyl Acetate	8.694	43	237260	83.287	ug/l	98
44) Trichloroethene	9.359	130	80388	48.684	ug/l	92
45) 1,2-Dichloropropane	9.624	63	92444	64.283	ug/l	97
46) Dibromomethane	9.712	93	76846	70.648	ug/l #	89
47) Bromodichloromethane	9.894	83	144838	68.760	ug/l	99
48) Methyl methacrylate	9.688	41	94917	72.059	ug/l	97
49) 1,4-Dioxane	9.700	88	51239	1369.914	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	659444	363.453	ug/l	97
52) Toluene	10.635	92	200189	51.479	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	143423	67.822	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	147220	64.099	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	110817	69.966	ug/l	95
56) Ethyl methacrylate	10.877	69	164658	76.980	ug/l	99
57) 1,3-Dichloropropane	11.165	76	175433	67.930	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	250259	324.408	ug/l	97
59) 2-Hexanone	11.200	43	492060	361.163	ug/l	98
60) Dibromochloromethane	11.365	129	122972	75.640	ug/l	100
61) 1,2-Dibromoethane	11.471	107	114499	69.649	ug/l	99
64) Tetrachloroethene	11.106	164	57154	37.608	ug/l	85
65) Chlorobenzene	11.894	112	223231	54.317	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	99410	64.810	ug/l	99
67) Ethyl Benzene	11.971	91	333476	47.561	ug/l	100
68) m/p-Xylenes	12.076	106	268708	94.372	ug/l	98
69) o-Xylene	12.400	106	146986	51.957	ug/l	95
70) Styrene	12.418	104	252665	56.616	ug/l	98
71) Bromoform	12.582	173	95019	81.393	ug/l #	97
73) Isopropylbenzene	12.700	105	308311	46.360	ug/l	98
74) N-amyl acetate	12.500	43	182644	89.333	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	164711	81.237	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	125449m	72.890	ug/l	
77) Bromobenzene	12.982	156	103749	63.192	ug/l	89
78) n-propylbenzene	13.041	91	328169	44.217	ug/l	99
79) 2-Chlorotoluene	13.129	91	228377	51.071	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	273653	49.528	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	42698	73.404	ug/l	95
82) 4-Chlorotoluene	13.129	91	228377	51.071	ug/l	97
83) tert-Butylbenzene	13.441	119	226143	44.891	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	284805	51.389	ug/l	99
85) sec-Butylbenzene	13.618	105	295268	43.197	ug/l	99
86) p-Isopropyltoluene	13.735	119	260977	45.380	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	167853	53.959	ug/l	97
88) 1,4-Dichlorobenzene	13.818	146	167950	53.150	ug/l	97
89) n-Butylbenzene	14.059	91	195390	40.227	ug/l	99
90) Hexachloroethane	14.341	117	46013	46.379	ug/l	80
91) 1,2-Dichlorobenzene	14.112	146	184113	60.719	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	31813	82.831	ug/l	81
93) 1,2,4-Trichlorobenzene	15.400	180	87234	56.139	ug/l	98
94) Hexachlorobutadiene	15.506	225	34602	42.750	ug/l	97
95) Naphthalene	15.647	128	351886	71.982	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	92666	60.676	ug/l	98

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

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