

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020823\
 Data File : VN076590.D
 Acq On : 08 Feb 2023 19:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/09/2023
 Supervised By : Semsettin Yesilyurt 02/09/2023

Quant Time: Feb 09 00:54:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 09:04:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.228	168	546218	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.104	114	912989	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.869	117	861478	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.792	152	422511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.586	65	275120	42.674	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.340%		
35) Dibromofluoromethane	8.175	113	247939	43.686	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	87.380%		
50) Toluene-d8	10.569	98	1075704	50.382	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.760%		
62) 4-Bromofluorobenzene	12.851	95	379404	50.440	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.880%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.140	85	312133	55.007	ug/l	99
3) Chloromethane	2.375	50	202009	38.736	ug/l	99
4) Vinyl Chloride	2.528	62	173565	36.246	ug/l	98
5) Bromomethane	2.951	94	121260	34.131	ug/l	96
6) Chloroethane	3.122	64	95220	32.875	ug/l	99
7) Trichlorofluoromethane	3.510	101	369279	39.125	ug/l	98
8) Diethyl Ether	3.975	74	130471	36.506	ug/l	88
9) 1,1,2-Trichlorotrifluo...	4.381	101	209670	35.859	ug/l	96
10) Methyl Iodide	4.604	142	337773	39.496	ug/l	97
11) Tert butyl alcohol	5.534	59	152003	181.014	ug/l	98
12) 1,1-Dichloroethene	4.357	96	203731	37.297	ug/l	87
13) Acrolein	4.193	56	184318	164.305	ug/l	100
14) Allyl chloride	5.040	41	216021	30.366	ug/l	95
15) Acrylonitrile	5.734	53	437080	173.452	ug/l	99
16) Acetone	4.440	43	287278	135.157	ug/l	97
17) Carbon Disulfide	4.728	76	496529	35.089	ug/l	99
18) Methyl Acetate	5.040	43	218393	32.474	ug/l	93
19) Methyl tert-butyl Ether	5.810	73	679183	37.387	ug/l	97
20) Methylene Chloride	5.287	84	227779	34.763	ug/l	94
21) trans-1,2-Dichloroethene	5.798	96	217974	36.714	ug/l	95
22) Diisopropyl ether	6.681	45	538641	33.407	ug/l	96
23) Vinyl Acetate	6.616	43	1726028	171.089	ug/l	94
24) 1,1-Dichloroethane	6.581	63	369380	35.677	ug/l	97
25) 2-Butanone	7.492	43	523462	171.332	ug/l	91
26) 2,2-Dichloropropane	7.498	77	321773	37.231	ug/l	96
27) cis-1,2-Dichloroethene	7.498	96	269852	38.867	ug/l	96
28) Bromochloromethane	7.822	49	151099	36.423	ug/l	85
29) Tetrahydrofuran	7.845	42	351931	179.229	ug/l	90
30) Chloroform	7.975	83	447286	39.824	ug/l	99
31) Cyclohexane	8.263	56	432869	42.481	ug/l	98
32) 1,1,1-Trichloroethane	8.175	97	448740	44.588	ug/l	96
36) 1,1-Dichloropropene	8.375	75	377437	46.579	ug/l	98
37) Ethyl Acetate	7.569	43	214015	35.252	ug/l #	94
38) Carbon Tetrachloride	8.369	117	411930	47.281	ug/l	99
39) Methylcyclohexane	9.604	83	527175	52.386	ug/l	100
40) Benzene	8.616	78	1199950	48.851	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.786	41	125912	36.629	ug/l	94
42) 1,2-Dichloroethane	8.675	62	350895	43.876	ug/l	97
43) Isopropyl Acetate	8.692	43	497012	49.199	ug/l	99
44) Trichloroethene	9.357	130	321674	49.040	ug/l	98
45) 1,2-Dichloropropane	9.628	63	305654	51.809	ug/l	99
46) Dibromomethane	9.710	93	213497	50.167	ug/l	98
47) Bromodichloromethane	9.892	83	438029	51.184	ug/l	98
48) Methyl methacrylate	9.686	41	250334	50.388	ug/l	98
49) 1,4-Dioxane	9.698	88	116738	1098.425	ug/l	98
51) 4-Methyl-2-Pentanone	10.445	43	1579425	260.143	ug/l	98
52) Toluene	10.633	92	830902	52.415	ug/l	99
53) t-1,3-Dichloropropene	10.839	75	447321	54.097	ug/l	98
54) cis-1,3-Dichloropropene	10.316	75	506434	53.708	ug/l	96
55) 1,1,2-Trichloroethane	11.016	97	316423	50.964	ug/l	98
56) Ethyl methacrylate	10.875	69	466355	56.123	ug/l	99
57) 1,3-Dichloropropane	11.169	76	496455	49.399	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.163	63	766143	322.635	ug/l	100
59) 2-Hexanone	11.198	43	1036984	239.577	ug/l	95
60) Dibromochloromethane	11.363	129	334016	51.048	ug/l	99
61) 1,2-Dibromoethane	11.474	107	312050	50.774	ug/l	99
64) Tetrachloroethene	11.104	164	316561	44.130	ug/l	99
65) Chlorobenzene	11.892	112	863725	48.482	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.963	131	325590	49.352	ug/l	99
67) Ethyl Benzene	11.969	91	1577728	49.832	ug/l	98
68) m/p-Xylenes	12.074	106	1239759	100.503	ug/l	99
69) o-Xylene	12.398	106	616550	51.041	ug/l	98
70) Styrene	12.416	104	1008604	52.499	ug/l	100
71) Bromoform	12.580	173	245103	53.224	ug/l #	99
73) Isopropylbenzene	12.698	105	1593568	46.053	ug/l	99
74) N-amyl acetate	12.498	43	464379	48.124	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.939	83	426699	44.989	ug/l	99
76) 1,2,3-Trichloropropane	12.998	75	386553m	49.036	ug/l	
77) Bromobenzene	12.980	156	356967	44.351	ug/l	96
78) n-propylbenzene	13.039	91	1777943	46.663	ug/l	100
79) 2-Chlorotoluene	13.127	91	1077894	44.411	ug/l	100
80) 1,3,5-Trimethylbenzene	13.174	105	1358567	47.307	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.739	75	128804	50.173	ug/l	88
82) 4-Chlorotoluene	13.127	91	1077894	44.411	ug/l	100
83) tert-Butylbenzene	13.439	119	1227617	47.725	ug/l	97
84) 1,2,4-Trimethylbenzene	13.486	105	1379305	48.262	ug/l	99
85) sec-Butylbenzene	13.621	105	1703577	49.112	ug/l	100
86) p-Isopropyltoluene	13.733	119	1436847	50.547	ug/l	99
87) 1,3-Dichlorobenzene	13.733	146	693412	46.809	ug/l	100
88) 1,4-Dichlorobenzene	13.816	146	680239	45.205	ug/l	99
89) n-Butylbenzene	14.057	91	1145710	50.899	ug/l	99
90) Hexachloroethane	14.339	117	238967	48.262	ug/l	97
91) 1,2-Dichlorobenzene	14.110	146	685092	46.908	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.721	75	76480	46.592	ug/l	97
93) 1,2,4-Trichlorobenzene	15.398	180	330115	49.327	ug/l	100
94) Hexachlorobutadiene	15.504	225	185489	49.291	ug/l	100
95) Naphthalene	15.645	128	959850	49.299	ug/l	100
96) 1,2,3-Trichlorobenzene	15.845	180	317845	49.593	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

