

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062023\
 Data File : VN078313.D
 Acq On : 20 Jun 2023 16:54
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/21/2023
 Supervised By : Mahesh Dadoda 06/22/2023

Quant Time: Jun 21 05:48:50 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060623W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 07 05:05:00 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	417570	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	739171	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	661745	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	262572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	288720	51.858	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.720%			
35) Dibromofluoromethane	8.177	113	244255	52.262	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.520%			
50) Toluene-d8	10.571	98	923324	51.246	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.500%			
62) 4-Bromofluorobenzene	12.853	95	298991	53.380	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.760%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	184293	39.044	ug/l	100
3) Chloromethane	2.371	50	209326	47.031	ug/l	97
4) Vinyl Chloride	2.518	62	324107	52.437	ug/l	96
5) Bromomethane	2.948	94	226855	48.565	ug/l	93
6) Chloroethane	3.118	64	239589	56.863	ug/l	97
7) Trichlorofluoromethane	3.506	101	526767	62.847	ug/l	99
8) Diethyl Ether	3.965	74	179306	60.883	ug/l	79
9) 1,1,2-Trichlorotrifluo...	4.383	101	290279	65.623	ug/l	95
10) Methyl Iodide	4.600	142	415631	66.441	ug/l	95
11) Tert butyl alcohol	5.536	59	247268	321.648	ug/l	99
12) 1,1-Dichloroethene	4.347	96	273117	59.896	ug/l	94
13) Acrolein	4.189	56	298291	352.062	ug/l	95
14) Allyl chloride	5.036	41	354999	63.777	ug/l	92
15) Acrylonitrile	5.730	53	699642	353.004	ug/l	100
16) Acetone	4.436	43	560498	349.759	ug/l	93
17) Carbon Disulfide	4.724	76	615565	52.448	ug/l	98
18) Methyl Acetate	5.036	43	506305	68.624	ug/l	92
19) Methyl tert-butyl Ether	5.806	73	967988	66.535	ug/l	97
20) Methylene Chloride	5.289	84	330888	62.483	ug/l	93
21) trans-1,2-Dichloroethene	5.800	96	297768	60.545	ug/l	94
22) Diisopropyl ether	6.683	45	877402	67.012	ug/l	97
23) Vinyl Acetate	6.612	43	2596738	333.638	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	561541	65.014	ug/l	99
25) 2-Butanone	7.494	43	696065	282.455	ug/l #	86
26) 2,2-Dichloropropane	7.500	77	391874	61.446	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	286657	48.864	ug/l	94
28) Bromochloromethane	7.818	49	216604	54.619	ug/l	88
29) Tetrahydrofuran	7.847	42	448049	271.969	ug/l	86
30) Chloroform	7.971	83	498577	53.606	ug/l	94
31) Cyclohexane	8.265	56	305891	42.831	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	428843	52.520	ug/l	96
36) 1,1-Dichloropropene	8.382	75	343954	51.307	ug/l	97
37) Ethyl Acetate	7.571	43	297247	56.759	ug/l #	95
38) Carbon Tetrachloride	8.365	117	368122	52.005	ug/l	96
39) Methylcyclohexane	9.606	83	272889	39.279	ug/l	90
40) Benzene	8.612	78	1043997	52.164	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	152464	53.710	ug/l	93
42) 1,2-Dichloroethane	8.677	62	370663	54.016	ug/l	97
43) Isopropyl Acetate	8.694	43	582920	58.201	ug/l #	89
44) Trichloroethene	9.359	130	259948	49.182	ug/l	98
45) 1,2-Dichloropropane	9.629	63	268946	54.011	ug/l	100
46) Dibromomethane	9.718	93	194295	52.975	ug/l	95
47) Bromodichloromethane	9.894	83	396972	58.268	ug/l	100
48) Methyl methacrylate	9.688	41	230754	54.901	ug/l	93
49) 1,4-Dioxane	9.700	88	94012	1064.205	ug/l #	92
51) 4-Methyl-2-Pentanone	10.453	43	1564674	296.671	ug/l	93
52) Toluene	10.635	92	662258	52.410	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	417155	58.794	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	452221	57.658	ug/l	95
55) 1,1,2-Trichloroethane	11.023	97	274025	57.326	ug/l	98
56) Ethyl methacrylate	10.876	69	401542	57.691	ug/l	91
57) 1,3-Dichloropropane	11.171	76	461102	57.147	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	703941	250.359	ug/l	93
59) 2-Hexanone	11.200	43	1108287	301.795	ug/l	91
60) Dibromochloromethane	11.365	129	300413	57.433	ug/l	100
61) 1,2-Dibromoethane	11.476	107	275113	54.843	ug/l	97
64) Tetrachloroethene	11.112	164	193669	43.869	ug/l	98
65) Chlorobenzene	11.900	112	713833	50.371	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	275437	52.844	ug/l	97
67) Ethyl Benzene	11.970	91	1267072	51.817	ug/l	97
68) m/p-Xylenes	12.076	106	941907	101.073	ug/l	97
69) o-Xylene	12.400	106	463244	50.620	ug/l	95
70) Styrene	12.417	104	768241	53.323	ug/l	98
71) Bromoform	12.582	173	193773	57.606	ug/l #	99
73) Isopropylbenzene	12.700	105	1139618	45.897	ug/l	100
74) N-amyl acetate	12.500	43	426890	52.209	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	397005	58.552	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	314469m	50.661	ug/l	
77) Bromobenzene	12.988	156	273210	47.400	ug/l	99
78) n-propylbenzene	13.041	91	1274847	47.257	ug/l	99
79) 2-Chlorotoluene	13.129	91	825452	47.403	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	909338	45.235	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	119361	59.078	ug/l	92
82) 4-Chlorotoluene	13.223	91	789404	48.573	ug/l	98
83) tert-Butylbenzene	13.447	119	746171	42.701	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	911144	46.750	ug/l	99
85) sec-Butylbenzene	13.623	105	962333	42.076	ug/l	100
86) p-Isopropyltoluene	13.735	119	780973	42.078	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	456164	46.788	ug/l	98
88) 1,4-Dichlorobenzene	13.817	146	448656	47.689	ug/l	99
89) n-Butylbenzene	14.059	91	611459	41.768	ug/l	98
90) Hexachloroethane	14.335	117	149676	45.442	ug/l	90
91) 1,2-Dichlorobenzene	14.111	146	462079	48.494	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	63706	51.799	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	144342	42.516	ug/l	96
94) Hexachlorobutadiene	15.506	225	72931	43.475	ug/l	99
95) Naphthalene	15.647	128	494512	43.302	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	155243	40.885	ug/l	97

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

