

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077824.D
 Acq On : 23 May 2023 18:17
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 05/31/2023
 Supervised By :Mahesh Dadoda 05/31/2023

Quant Time: May 24 08:13:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	367991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	660211	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	575872	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	258873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	292305	53.088	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.180%			
35) Dibromofluoromethane	8.177	113	254697	59.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 118.320%			
50) Toluene-d8	10.576	98	962552	58.087	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 116.180%#			
62) 4-Bromofluorobenzene	12.859	95	325370	55.595	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.200%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.136	85	184274	44.001	ug/l	96
3) Chloromethane	2.371	50	182733	40.824	ug/l	97
4) Vinyl Chloride	2.518	62	240820	45.609	ug/l	98
5) Bromomethane	2.953	94	156508	40.077	ug/l	93
6) Chloroethane	3.124	64	170778	44.879	ug/l	98
7) Trichlorofluoromethane	3.506	101	355144	48.263	ug/l	98
8) Diethyl Ether	3.971	74	128826	47.955	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.377	101	200073	49.131	ug/l	99
10) Methyl Iodide	4.600	142	227645	46.874	ug/l	98
11) Tert butyl alcohol	5.536	59	172209	226.623	ug/l	99
12) 1,1-Dichloroethene	4.347	96	184378	47.637	ug/l	92
13) Acrolein	4.189	56	140559	303.473	ug/l	98
14) Allyl chloride	5.030	41	246951	43.433	ug/l	96
15) Acrylonitrile	5.730	53	463988	228.549	ug/l	98
16) Acetone	4.436	43	361876	208.901	ug/l	95
17) Carbon Disulfide	4.718	76	394414	37.820	ug/l	100
18) Methyl Acetate	5.036	43	340722	46.885	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	672672	48.016	ug/l	95
20) Methylene Chloride	5.283	84	225287	49.965	ug/l	90
21) trans-1,2-Dichloroethene	5.794	96	200732	46.170	ug/l	84
22) Diisopropyl ether	6.683	45	628553	47.163	ug/l	94
23) Vinyl Acetate	6.612	43	1869931	226.458	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	405231	49.631	ug/l	97
25) 2-Butanone	7.494	43	588415	217.142	ug/l	89
26) 2,2-Dichloropropane	7.500	77	322124	46.438	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	256210	49.148	ug/l	95
28) Bromochloromethane	7.818	49	161259	45.668	ug/l	93
29) Tetrahydrofuran	7.847	42	387756	218.532	ug/l	85
30) Chloroform	7.971	83	444730	49.515	ug/l	95
31) Cyclohexane	8.265	56	317858	42.474	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	384251	50.320	ug/l	97
36) 1,1-Dichloropropene	8.382	75	307430	48.822	ug/l	97
37) Ethyl Acetate	7.571	43	247872	44.164	ug/l #	93
38) Carbon Tetrachloride	8.371	117	336559	52.930	ug/l	97
39) Methylcyclohexane	9.606	83	352748	45.757	ug/l	91
40) Benzene	8.612	78	927724	49.926	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	140999	47.173	ug/l	89
42) 1,2-Dichloroethane	8.677	62	327288	48.486	ug/l	98
43) Isopropyl Acetate	8.694	43	552869	60.307	ug/l #	86
44) Trichloroethene	9.359	130	242627	51.566	ug/l	98
45) 1,2-Dichloropropane	9.629	63	243136	51.297	ug/l	97
46) Dibromomethane	9.718	93	171631	50.604	ug/l	94
47) Bromodichloromethane	9.894	83	346963	53.434	ug/l	99
48) Methyl methacrylate	9.688	41	201812	46.431	ug/l	91
49) 1,4-Dioxane	9.700	88	80625	982.111	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1306021	239.669	ug/l	95
52) Toluene	10.635	92	595937	51.515	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	356676	51.871	ug/l	100
54) cis-1,3-Dichloropropene	10.318	75	383786	50.647	ug/l	97
55) 1,1,2-Trichloroethane	11.023	97	241796	52.641	ug/l	97
56) Ethyl methacrylate	10.882	69	348155	50.130	ug/l	91
57) 1,3-Dichloropropane	11.170	76	406567	51.631	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	778259	227.780	ug/l	94
59) 2-Hexanone	11.200	43	913590	226.663	ug/l	94
60) Dibromochloromethane	11.365	129	269144	56.759	ug/l	99
61) 1,2-Dibromoethane	11.476	107	240023	52.380	ug/l	99
64) Tetrachloroethene	11.112	164	188362	46.772	ug/l	96
65) Chlorobenzene	11.900	112	651409	52.179	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.965	131	256220	59.314	ug/l	97
67) Ethyl Benzene	11.970	91	1162729	51.972	ug/l	99
68) m/p-Xylenes	12.076	106	895931	105.689	ug/l	100
69) o-Xylene	12.406	106	446158	53.517	ug/l	98
70) Styrene	12.417	104	712778	53.821	ug/l	99
71) Bromoform	12.582	173	169117	58.852	ug/l #	100
73) Isopropylbenzene	12.706	105	1174943	52.653	ug/l	99
74) N-amyl acetate	12.500	43	365524	44.315	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	342512	49.893	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	320145m	49.381	ug/l	
77) Bromobenzene	12.988	156	253952	49.869	ug/l	96
78) n-propylbenzene	13.041	91	1330838	50.587	ug/l	100
79) 2-Chlorotoluene	13.135	91	795083	50.647	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	979759	52.240	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.741	75	92167	45.443	ug/l	92
82) 4-Chlorotoluene	13.229	91	746813	47.813	ug/l	97
83) tert-Butylbenzene	13.447	119	869124	53.083	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	976869	52.961	ug/l	100
85) sec-Butylbenzene	13.623	105	1208776	51.949	ug/l	99
86) p-Isopropyltoluene	13.735	119	1013170	54.617	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	475807	50.523	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	458834	49.098	ug/l	99
89) n-Butylbenzene	14.064	91	835727	48.981	ug/l	99
90) Hexachloroethane	14.341	117	178002	58.410	ug/l	87
91) 1,2-Dichlorobenzene	14.111	146	470780	53.510	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	56440	42.466	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	216178	42.047	ug/l	98
94) Hexachlorobutadiene	15.505	225	106060	49.684	ug/l	98
95) Naphthalene	15.647	128	647740	36.602	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	217103	43.128	ug/l	98

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

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