

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061523\
 Data File : VN078246.D
 Acq On : 15 Jun 2023 22:22
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/16/2023
 Supervised By : Mahesh Dadoda 06/16/2023

Quant Time: Jun 16 06:15:41 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	8.236	168	369523	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	698927	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	608342	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	236484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	285927	58.034	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 116.060%			
35) Dibromofluoromethane	8.171	113	245902	55.644	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.280%			
50) Toluene-d8	10.571	98	905916	53.175	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.340%			
62) 4-Bromofluorobenzene	12.853	95	284539	53.725	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.440%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	177672	42.535	ug/l	99
3) Chloromethane	2.371	50	209619	53.469	ug/l	97
4) Vinyl Chloride	2.518	62	267198	48.851	ug/l	99
5) Bromomethane	2.954	94	198830	48.100	ug/l	93
6) Chloroethane	3.124	64	191072	51.244	ug/l	99
7) Trichlorofluoromethane	3.501	101	350349	47.234	ug/l	96
8) Diethyl Ether	3.971	74	131437	50.432	ug/l	83
9) 1,1,2-Trichlorotrifluo...	4.383	101	187271	47.841	ug/l	98
10) Methyl Iodide	4.595	142	278282	50.269	ug/l	98
11) Tert butyl alcohol	5.530	59	168549	247.757	ug/l	99
12) 1,1-Dichloroethene	4.348	96	188878	46.808	ug/l	92
13) Acrolein	4.189	56	214572	286.181	ug/l	98
14) Allyl chloride	5.030	41	275556	55.942	ug/l	96
15) Acrylonitrile	5.736	53	491529	280.247	ug/l	100
16) Acetone	4.436	43	372130	262.408	ug/l	94
17) Carbon Disulfide	4.724	76	450545	43.379	ug/l	99
18) Methyl Acetate	5.036	43	347398	53.208	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	692884	53.818	ug/l	98
20) Methylene Chloride	5.289	84	231131	49.321	ug/l	87
21) trans-1,2-Dichloroethene	5.800	96	205313	47.174	ug/l #	82
22) Diisopropyl ether	6.689	45	649252	56.035	ug/l	94
23) Vinyl Acetate	6.618	43	1942454	282.024	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	413642	54.118	ug/l	96
25) 2-Butanone	7.494	43	608285	278.929	ug/l #	87
26) 2,2-Dichloropropane	7.494	77	281731	49.920	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	257055	49.516	ug/l	93
28) Bromochloromethane	7.818	49	206710	58.902	ug/l	90
29) Tetrahydrofuran	7.847	42	394252	270.430	ug/l	86
30) Chloroform	7.977	83	449912	54.664	ug/l	92
31) Cyclohexane	8.265	56	278476	44.062	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	383929	53.133	ug/l	95
36) 1,1-Dichloropropene	8.383	75	308212	48.623	ug/l	96
37) Ethyl Acetate	7.571	43	259895	52.484	ug/l	95
38) Carbon Tetrachloride	8.371	117	332235	49.638	ug/l	94
39) Methylcyclohexane	9.606	83	265578	40.428	ug/l	91
40) Benzene	8.612	78	953876	50.405	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	138108	51.454	ug/l	92
42) 1,2-Dichloroethane	8.677	62	338782	52.213	ug/l	97
43) Isopropyl Acetate	8.694	43	470777	49.711	ug/l	94
44) Trichloroethene	9.359	130	237264	47.475	ug/l	96
45) 1,2-Dichloropropane	9.630	63	249441	52.978	ug/l	98
46) Dibromomethane	9.712	93	173129	49.922	ug/l	95
47) Bromodichloromethane	9.894	83	350288	54.376	ug/l	96
48) Methyl methacrylate	9.688	41	211815	53.297	ug/l	89
49) 1,4-Dioxane	9.700	88	80929	968.856	ug/l #	91
51) 4-Methyl-2-Pentanone	10.453	43	1365826	273.879	ug/l	93
52) Toluene	10.635	92	592006	49.548	ug/l	94
53) t-1,3-Dichloropropene	10.841	75	360128	53.679	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	383031	51.648	ug/l	92
55) 1,1,2-Trichloroethane	11.024	97	245933	54.411	ug/l	97
56) Ethyl methacrylate	10.882	69	357242	54.281	ug/l	90
57) 1,3-Dichloropropane	11.171	76	418099	54.801	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	686420	258.185	ug/l	91
59) 2-Hexanone	11.200	43	966754	278.413	ug/l	92
60) Dibromochloromethane	11.365	129	265720	53.725	ug/l	99
61) 1,2-Dibromoethane	11.476	107	247865	52.256	ug/l	99
64) Tetrachloroethene	11.112	164	184516	45.465	ug/l	97
65) Chlorobenzene	11.894	112	636097	48.825	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.965	131	247982	51.753	ug/l	98
67) Ethyl Benzene	11.971	91	1130045	50.270	ug/l	97
68) m/p-Xylenes	12.076	106	838857	97.917	ug/l	98
69) o-Xylene	12.406	106	412223	48.999	ug/l	95
70) Styrene	12.418	104	677396	51.145	ug/l	98
71) Bromoform	12.582	173	164857	53.312	ug/l #	98
73) Isopropylbenzene	12.700	105	1012979	45.298	ug/l	99
74) N-amyl acetate	12.500	43	371646	50.467	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	347815	56.886	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	280885m	50.243	ug/l	
77) Bromobenzene	12.988	156	239229	46.083	ug/l	100
78) n-propylbenzene	13.041	91	1139262	46.890	ug/l	99
79) 2-Chlorotoluene	13.129	91	721283	45.990	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	821927	45.397	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	95224	52.331	ug/l	93
82) 4-Chlorotoluene	13.229	91	690639	47.184	ug/l	99
83) tert-Butylbenzene	13.441	119	692202	43.982	ug/l	96
84) 1,2,4-Trimethylbenzene	13.488	105	829690	47.267	ug/l	100
85) sec-Butylbenzene	13.623	105	874313	42.444	ug/l	100
86) p-Isopropyltoluene	13.735	119	726221	43.444	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	404744	46.093	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	388476	45.848	ug/l	99
89) n-Butylbenzene	14.059	91	558989	42.396	ug/l	96
90) Hexachloroethane	14.341	117	136208	45.915	ug/l	93
91) 1,2-Dichlorobenzene	14.112	146	403274	46.991	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	55633	50.225	ug/l	99
93) 1,2,4-Trichlorobenzene	15.394	180	140187	45.848	ug/l	98
94) Hexachlorobutadiene	15.506	225	66535	44.075	ug/l	97
95) Naphthalene	15.647	128	454726	44.211	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	150662	44.056	ug/l	96

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

