

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060523\
 Data File : VN078061.D
 Acq On : 05 Jun 2023 21:56
 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 06/06/2023
 Supervised By : Mahesh Dadoda 06/06/2023

Quant Time: Jun 06 02:09:20 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	337498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	605030	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	531759	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	239970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	260832	51.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.300%			
35) Dibromofluoromethane	8.171	113	227938	57.774	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.540%			
50) Toluene-d8	10.571	98	823804	54.248	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.500%			
62) 4-Bromofluorobenzene	12.853	95	286550	53.428	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.860%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	146258	38.079	ug/l	96
3) Chloromethane	2.371	50	168103	40.955	ug/l	100
4) Vinyl Chloride	2.524	62	221714	45.784	ug/l	98
5) Bromomethane	2.953	94	167815	46.856	ug/l	100
6) Chloroethane	3.124	64	168671	48.330	ug/l	95
7) Trichlorofluoromethane	3.506	101	341373	50.583	ug/l	98
8) Diethyl Ether	3.977	74	121495	49.313	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.377	101	184866	49.498	ug/l	97
10) Methyl Iodide	4.600	142	254681	57.179	ug/l	97
11) Tert butyl alcohol	5.536	59	169482	243.185	ug/l	99
12) 1,1-Dichloroethene	4.353	96	178400	50.257	ug/l	95
13) Acrolein	4.189	56	102085	233.564	ug/l	98
14) Allyl chloride	5.030	41	229486	44.007	ug/l	92
15) Acrylonitrile	5.730	53	470461	252.675	ug/l	99
16) Acetone	4.436	43	367312	231.196	ug/l	100
17) Carbon Disulfide	4.718	76	374534	39.159	ug/l	99
18) Methyl Acetate	5.030	43	345573	51.849	ug/l	91
19) Methyl tert-butyl Ether	5.806	73	669721	52.124	ug/l	99
20) Methylene Chloride	5.283	84	217618	52.734	ug/l	91
21) trans-1,2-Dichloroethene	5.794	96	195714	49.083	ug/l	86
22) Diisopropyl ether	6.683	45	632002	51.706	ug/l	95
23) Vinyl Acetate	6.612	43	1834724	242.269	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	396810	52.991	ug/l	98
25) 2-Butanone	7.494	43	592375	238.354	ug/l	88
26) 2,2-Dichloropropane	7.494	77	268207	42.158	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	253299	52.980	ug/l	96
28) Bromochloromethane	7.824	49	168882	52.148	ug/l	90
29) Tetrahydrofuran	7.847	42	388927	238.996	ug/l	85
30) Chloroform	7.977	83	439305	53.330	ug/l	93
31) Cyclohexane	8.265	56	302653	44.097	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	382685	54.643	ug/l	97
36) 1,1-Dichloropropene	8.382	75	304672	52.797	ug/l	97
37) Ethyl Acetate	7.565	43	249116	48.434	ug/l	94
38) Carbon Tetrachloride	8.371	117	332436	57.049	ug/l	99
39) Methylcyclohexane	9.606	83	336541	47.637	ug/l	93
40) Benzene	8.612	78	924422	54.285	ug/l	98

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41) Methacrylonitrile	7.788	41	134939	49.263	ug/l	91
42) 1,2-Dichloroethane	8.677	62	327046	52.869	ug/l	98
43) Isopropyl Acetate	8.694	43	545063	64.879	ug/l #	88
44) Trichloroethene	9.359	130	238513	55.315	ug/l	95
45) 1,2-Dichloropropane	9.629	63	244994	56.403	ug/l	97
46) Dibromomethane	9.712	93	172427	55.476	ug/l	96
47) Bromodichloromethane	9.894	83	350909	58.971	ug/l	98
48) Methyl methacrylate	9.688	41	206625	51.874	ug/l	91
49) 1,4-Dioxane	9.700	88	82721	1099.544	ug/l #	92
51) 4-Methyl-2-Pentanone	10.453	43	1331678	266.665	ug/l	93
52) Toluene	10.635	92	593606	55.993	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	347787	55.191	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	383385	55.209	ug/l	96
55) 1,1,2-Trichloroethane	11.023	97	242806	57.682	ug/l	98
56) Ethyl methacrylate	10.882	69	351292	55.195	ug/l	93
57) 1,3-Dichloropropane	11.171	76	402908	55.833	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	649650	207.481	ug/l	94
59) 2-Hexanone	11.200	43	931953	252.307	ug/l	93
60) Dibromochloromethane	11.365	129	265771	61.159	ug/l	98
61) 1,2-Dibromoethane	11.476	107	241258	57.451	ug/l	98
64) Tetrachloroethene	11.112	164	190643	51.266	ug/l	99
65) Chlorobenzene	11.900	112	657241	57.013	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	253472	63.546	ug/l	99
67) Ethyl Benzene	11.970	91	1154071	55.864	ug/l	100
68) m/p-Xylenes	12.076	106	896906	114.581	ug/l	100
69) o-Xylene	12.406	106	444837	57.785	ug/l	100
70) Styrene	12.417	104	727693	59.505	ug/l	99
71) Bromoform	12.582	173	166659	62.808	ug/l #	99
73) Isopropylbenzene	12.700	105	1150369	55.612	ug/l	99
74) N-amyl acetate	12.500	43	359968	47.080	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.941	83	347048	54.536	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	272409m	45.328	ug/l	
77) Bromobenzene	12.988	156	253873	53.780	ug/l	97
78) n-propylbenzene	13.041	91	1316794	53.996	ug/l	100
79) 2-Chlorotoluene	13.129	91	799543	54.944	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	962596	55.368	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	90427	48.097	ug/l	93
82) 4-Chlorotoluene	13.229	91	751157	51.880	ug/l	97
83) tert-Butylbenzene	13.447	119	852206	56.150	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	944028	55.212	ug/l	97
85) sec-Butylbenzene	13.623	105	1165927	54.054	ug/l	99
86) p-Isopropyltoluene	13.735	119	958387	55.733	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	459821	52.672	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	436442	50.380	ug/l	99
89) n-Butylbenzene	14.064	91	770902	48.740	ug/l	98
90) Hexachloroethane	14.341	117	173514	61.423	ug/l	90
91) 1,2-Dichlorobenzene	14.111	146	457171	56.056	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	55376	44.947	ug/l	95
93) 1,2,4-Trichlorobenzene	15.400	180	186716	39.177	ug/l	98
94) Hexachlorobutadiene	15.506	225	101700	51.395	ug/l	98
95) Naphthalene	15.647	128	542853	33.092	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	197989	42.430	ug/l	97

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

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