

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN053123\
 Data File : VN077984.D
 Acq On : 31 May 2023 10:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 06/01/2023
 Supervised By : Mahesh Dadoda 06/01/2023

Quant Time: Jun 01 01:47:59 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	8.236	168	364209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	655121	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	586257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	250089	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	266514	48.906	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.820%		
35) Dibromofluoromethane	8.177	113	227461	53.245	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	106.480%		
50) Toluene-d8	10.571	98	814072	49.508	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.020%		
62) 4-Bromofluorobenzene	12.853	95	283938	48.893	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.780%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	173129	41.769	ug/l	98
3) Chloromethane	2.371	50	192278	43.520	ug/l	99
4) Vinyl Chloride	2.524	62	248288	47.511	ug/l	98
5) Bromomethane	2.948	94	190459	49.278	ug/l	98
6) Chloroethane	3.118	64	183957	48.845	ug/l	100
7) Trichlorofluoromethane	3.501	101	354787	48.715	ug/l	99
8) Diethyl Ether	3.971	74	131761	49.557	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.383	101	194874	48.351	ug/l	99
10) Methyl Iodide	4.595	142	274344	57.076	ug/l	98
11) Tert butyl alcohol	5.530	59	183598	244.119	ug/l	99
12) 1,1-Dichloroethene	4.348	96	188786	49.283	ug/l	92
13) Acrolein	4.183	56	87609	179.097	ug/l	95
14) Allyl chloride	5.036	41	257167	45.699	ug/l	93
15) Acrylonitrile	5.730	53	498605	248.151	ug/l	98
16) Acetone	4.436	43	409167	238.653	ug/l	96
17) Carbon Disulfide	4.718	76	456769	44.254	ug/l	98
18) Methyl Acetate	5.030	43	362277	50.368	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	721837	52.060	ug/l	100
20) Methylene Chloride	5.283	84	239214	53.754	ug/l	91
21) trans-1,2-Dichloroethene	5.789	96	213920	49.714	ug/l	89
22) Diisopropyl ether	6.683	45	672916	51.016	ug/l	95
23) Vinyl Acetate	6.612	43	2055999	251.577	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	416898	51.590	ug/l	98
25) 2-Butanone	7.494	43	640576	238.845	ug/l #	85
26) 2,2-Dichloropropane	7.500	77	346815	50.516	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	269287	52.193	ug/l	93
28) Bromochloromethane	7.824	49	182573	52.241	ug/l	90
29) Tetrahydrofuran	7.847	42	423194	240.980	ug/l #	83
30) Chloroform	7.971	83	454965	51.181	ug/l	96
31) Cyclohexane	8.265	56	331887	44.810	ug/l	91
32) 1,1,1-Trichloroethane	8.177	97	395555	52.338	ug/l	96
36) 1,1-Dichloropropene	8.377	75	326243	52.212	ug/l	96
37) Ethyl Acetate	7.565	43	266439	47.841	ug/l #	95
38) Carbon Tetrachloride	8.371	117	347297	55.043	ug/l	99
39) Methylcyclohexane	9.606	83	356541	46.609	ug/l	90
40) Benzene	8.612	78	986880	53.522	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	142752	48.130	ug/l	95
42) 1,2-Dichloroethane	8.677	62	352213	52.584	ug/l	98
43) Isopropyl Acetate	8.694	43	463757	50.980	ug/l	95
44) Trichloroethene	9.359	130	251725	53.915	ug/l	96
45) 1,2-Dichloropropane	9.630	63	254376	54.085	ug/l	97
46) Dibromomethane	9.712	93	180056	53.501	ug/l	96
47) Bromodichloromethane	9.894	83	365157	56.673	ug/l	96
48) Methyl methacrylate	9.688	41	217256	50.373	ug/l	89
49) 1,4-Dioxane	9.700	88	93263	1144.884	ug/l	92
51) 4-Methyl-2-Pentanone	10.453	43	1398198	258.578	ug/l	93
52) Toluene	10.635	92	627176	54.636	ug/l	97
53) t-1,3-Dichloropropene	10.841	75	380161	55.716	ug/l	96
54) cis-1,3-Dichloropropene	10.318	75	416367	55.374	ug/l	93
55) 1,1,2-Trichloroethane	11.024	97	251523	55.184	ug/l	96
56) Ethyl methacrylate	10.882	69	369969	53.685	ug/l	90
57) 1,3-Dichloropropane	11.171	76	421482	53.941	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	727221	214.496	ug/l	92
59) 2-Hexanone	11.200	43	985514	246.407	ug/l	92
60) Dibromochloromethane	11.365	129	280755	59.667	ug/l	98
61) 1,2-Dibromoethane	11.477	107	259537	57.078	ug/l	96
64) Tetrachloroethene	11.112	164	237567	57.946	ug/l	97
65) Chlorobenzene	11.900	112	678871	53.415	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.965	131	256819	58.400	ug/l	99
67) Ethyl Benzene	11.971	91	1223010	53.698	ug/l	99
68) m/p-Xylenes	12.077	106	935255	108.373	ug/l	98
69) o-Xylene	12.406	106	457963	53.960	ug/l	97
70) Styrene	12.418	104	745241	55.275	ug/l	98
71) Bromoform	12.582	173	175640	60.039	ug/l #	100
73) Isopropylbenzene	12.700	105	1182085	54.833	ug/l	99
74) N-amyl acetate	12.500	43	375098	47.073	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.941	83	347617	52.415	ug/l	100
76) 1,2,3-Trichloropropane	13.000	75	299072m	47.751	ug/l	
77) Bromobenzene	12.988	156	260655	52.983	ug/l	99
78) n-propylbenzene	13.041	91	1369626	53.890	ug/l	100
79) 2-Chlorotoluene	13.135	91	817002	53.872	ug/l	99
80) 1,3,5-Trimethylbenzene	13.182	105	988663	54.566	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	103466	52.806	ug/l	96
82) 4-Chlorotoluene	13.229	91	779499	51.659	ug/l	97
83) tert-Butylbenzene	13.447	119	833773	52.713	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	982354	55.129	ug/l	99
85) sec-Butylbenzene	13.623	105	1181030	52.539	ug/l	100
86) p-Isopropyltoluene	13.735	119	958314	53.474	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	470503	51.714	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	462262	51.202	ug/l	99
89) n-Butylbenzene	14.065	91	792852	48.100	ug/l	99
90) Hexachloroethane	14.341	117	166978	56.717	ug/l	88
91) 1,2-Dichlorobenzene	14.112	146	463024	54.477	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	58206	45.333	ug/l	98
93) 1,2,4-Trichlorobenzene	15.400	180	197180	39.699	ug/l	98
94) Hexachlorobutadiene	15.512	225	92952	45.073	ug/l	96
95) Naphthalene	15.647	128	605194	35.399	ug/l	99
96) 1,2,3-Trichlorobenzene	15.847	180	203551	41.856	ug/l	97

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

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