

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050123\
 Data File : VN077538.D
 Acq On : 01 May 2023 11:19
 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 05/02/2023
 Supervised By : Mahesh Dadoda 05/03/2023

Quant Time: May 01 21:59:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N042423W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 02:50:59 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	737931	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1356349	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1246678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	546553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	489947	50.882	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.760%			
35) Dibromofluoromethane	8.172	113	437730	53.694	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.380%			
50) Toluene-d8	10.566	98	1700942	54.440	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 108.880%			
62) 4-Bromofluorobenzene	12.848	95	600016	58.697	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.400%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	470212	49.917	ug/l	97
3) Chloromethane	2.372	50	331483	44.813	ug/l	98
4) Vinyl Chloride	2.525	62	460818	46.765	ug/l	100
5) Bromomethane	2.949	94	371996	43.581	ug/l	96
6) Chloroethane	3.125	64	310877	41.526	ug/l	99
7) Trichlorofluoromethane	3.507	101	728995	50.334	ug/l	97
8) Diethyl Ether	3.972	74	259200	49.250	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.384	101	422705	50.184	ug/l	99
10) Methyl Iodide	4.596	142	515186	49.785	ug/l	99
11) Tert butyl alcohol	5.525	59	353941	228.967	ug/l	100
12) 1,1-Dichloroethene	4.348	96	396978	48.206	ug/l	97
13) Acrolein	4.184	56	347837	226.196	ug/l	98
14) Allyl chloride	5.031	41	456077	49.814	ug/l	95
15) Acrylonitrile	5.731	53	867233	247.302	ug/l	100
16) Acetone	4.437	43	828445	270.431	ug/l	99
17) Carbon Disulfide	4.719	76	939776	44.910	ug/l	98
18) Methyl Acetate	5.025	43	571803	48.335	ug/l	98
19) Methyl tert-butyl Ether	5.801	73	1402793	51.221	ug/l	99
20) Methylene Chloride	5.284	84	462786	47.636	ug/l	97
21) trans-1,2-Dichloroethene	5.795	96	431968	48.509	ug/l	94
22) Diisopropyl ether	6.678	45	1013783	48.246	ug/l	97
23) Vinyl Acetate	6.613	43	3120092	237.758	ug/l	99
24) 1,1-Dichloroethane	6.578	63	740552	49.788	ug/l	99
25) 2-Butanone	7.489	43	1080402	248.656	ug/l	99
26) 2,2-Dichloropropane	7.495	77	755726	52.399	ug/l	100
27) cis-1,2-Dichloroethene	7.489	96	535259	50.754	ug/l	98
28) Bromochloromethane	7.819	49	239395	42.146	ug/l	94
29) Tetrahydrofuran	7.842	42	643229	236.277	ug/l	96
30) Chloroform	7.966	83	892550	53.246	ug/l	95
31) Cyclohexane	8.260	56	599273	43.933	ug/l	94
32) 1,1,1-Trichloroethane	8.178	97	822029	53.339	ug/l	97
36) 1,1-Dichloropropene	8.372	75	622180	52.827	ug/l	99
37) Ethyl Acetate	7.566	43	425709	47.567	ug/l	99
38) Carbon Tetrachloride	8.366	117	709262	54.581	ug/l	96
39) Methylcyclohexane	9.601	83	821221	52.923	ug/l	98
40) Benzene	8.607	78	1887524	52.608	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	220452	47.294	ug/l	91
42) 1,2-Dichloroethane	8.672	62	633136	51.377	ug/l	98
43) Isopropyl Acetate	8.689	43	758223	48.972	ug/l	97
44) Trichloroethene	9.354	130	491474	53.499	ug/l	98
45) 1,2-Dichloropropane	9.625	63	429630	51.118	ug/l	95
46) Dibromomethane	9.713	93	347642	50.977	ug/l	96
47) Bromodichloromethane	9.889	83	716323	54.303	ug/l	95
48) Methyl methacrylate	9.683	41	330628	46.913	ug/l	94
49) 1,4-Dioxane	9.695	88	184981	1046.394	ug/l	94
51) 4-Methyl-2-Pentanone	10.448	43	2212904	243.674	ug/l	98
52) Toluene	10.630	92	1282449	54.561	ug/l	99
53) t-1,3-Dichloropropene	10.836	75	762369	57.075	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	796651	54.793	ug/l	96
55) 1,1,2-Trichloroethane	11.019	97	500374	52.939	ug/l	98
56) Ethyl methacrylate	10.877	69	713032	53.837	ug/l	93
57) 1,3-Dichloropropane	11.166	76	818970	54.397	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	954004	212.964	ug/l	97
59) 2-Hexanone	11.195	43	1666394	252.438	ug/l	96
60) Dibromochloromethane	11.360	129	545458	55.606	ug/l	99
61) 1,2-Dibromoethane	11.472	107	524577	54.362	ug/l	97
64) Tetrachloroethene	11.107	164	385665	51.679	ug/l	100
65) Chlorobenzene	11.895	112	1385995	52.538	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.960	131	501519	52.252	ug/l	98
67) Ethyl Benzene	11.966	91	2496358	53.754	ug/l	100
68) m/p-Xylenes	12.072	106	1946943	107.869	ug/l	99
69) o-Xylene	12.401	106	954668	53.774	ug/l	99
70) Styrene	12.413	104	1559200	56.159	ug/l	99
71) Bromoform	12.577	173	349341	55.633	ug/l #	100
73) Isopropylbenzene	12.695	105	2557886	50.434	ug/l	99
74) N-amyl acetate	12.495	43	664687	44.267	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.936	83	735839	46.175	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	604182m	47.538	ug/l	
77) Bromobenzene	12.983	156	528527	47.815	ug/l	99
78) n-propylbenzene	13.036	91	2908077	51.857	ug/l	100
79) 2-Chlorotoluene	13.124	91	1738652	50.286	ug/l	98
80) 1,3,5-Trimethylbenzene	13.177	105	2117033	56.208	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	222352	49.426	ug/l	94
82) 4-Chlorotoluene	13.224	91	1688674	52.267	ug/l	100
83) tert-Butylbenzene	13.442	119	1845971	50.468	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	2062971	58.648	ug/l	99
85) sec-Butylbenzene	13.618	105	2649340	52.770	ug/l	100
86) p-Isopropyltoluene	13.730	119	2131435	55.178	ug/l	99
87) 1,3-Dichlorobenzene	13.736	146	1004698	51.109	ug/l	99
88) 1,4-Dichlorobenzene	13.813	146	996359	51.333	ug/l	99
89) n-Butylbenzene	14.060	91	1817347	60.793	ug/l	99
90) Hexachloroethane	14.336	117	412355	48.319	ug/l	99
91) 1,2-Dichlorobenzene	14.107	146	986004	50.572	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	137330	46.602	ug/l	97
93) 1,2,4-Trichlorobenzene	15.395	180	356474	54.791	ug/l	99
94) Hexachlorobutadiene	15.501	225	222034	56.355	ug/l	97
95) Naphthalene	15.642	128	1342555	54.327	ug/l	99
96) 1,2,3-Trichlorobenzene	15.842	180	320958	53.309	ug/l	96

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

