

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050423\
 Data File : VN077588.D
 Acq On : 04 May 2023 19:02
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/05/2023
 Supervised By : Mahesh Dadoda 05/05/2023

Quant Time: May 05 04:12:18 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	658327	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	1340816	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	1168963	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	452598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	503967	58.666	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.340%			
35) Dibromofluoromethane	8.172	113	467331	57.990	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.980%			
50) Toluene-d8	10.572	98	1522038	49.279	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.560%			
62) 4-Bromofluorobenzene	12.848	95	532607	52.706	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.420%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.137	85	192136	23.031	ug/l	100
3) Chloromethane	2.372	50	246910	37.416	ug/l	92
4) Vinyl Chloride	2.525	62	308294	35.070	ug/l	99
5) Bromomethane	2.949	94	317467	41.690	ug/l	96
6) Chloroethane	3.125	64	235808	35.307	ug/l	95
7) Trichlorofluoromethane	3.507	101	378020	29.257	ug/l	99
8) Diethyl Ether	3.966	74	256011	54.526	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.384	101	198353	26.396	ug/l	97
10) Methyl Iodide	4.601	142	456410	49.438	ug/l	98
11) Tert butyl alcohol	5.537	59	364509	264.317	ug/l	99
12) 1,1-Dichloroethene	4.354	96	266010	36.208	ug/l	88
13) Acrolein	4.190	56	323325	235.680	ug/l	99
14) Allyl chloride	5.031	41	327648	40.114	ug/l	93
15) Acrylonitrile	5.731	53	867508	277.294	ug/l	98
16) Acetone	4.437	43	616600	225.616	ug/l	95
17) Carbon Disulfide	4.725	76	562149	30.113	ug/l	100
18) Methyl Acetate	5.031	43	564539	53.491	ug/l	92
19) Methyl tert-butyl Ether	5.807	73	1412963	57.831	ug/l	97
20) Methylene Chloride	5.284	84	440015	50.769	ug/l	89
21) trans-1,2-Dichloroethene	5.795	96	348312	43.845	ug/l	96
22) Diisopropyl ether	6.684	45	900808	48.053	ug/l #	93
23) Vinyl Acetate	6.613	43	3192953m	272.731	ug/l	
24) 1,1-Dichloroethane	6.572	63	630723	47.531	ug/l	99
25) 2-Butanone	7.489	43	964489	248.820	ug/l	92
26) 2,2-Dichloropropane	7.495	77	328956	25.567	ug/l	92
27) cis-1,2-Dichloroethene	7.489	96	481555	51.183	ug/l	87
28) Bromochloromethane	7.819	49	250848	49.503	ug/l #	75
29) Tetrahydrofuran	7.842	42	626918	258.132	ug/l	90
30) Chloroform	7.972	83	800619	53.537	ug/l	94
31) Cyclohexane	8.260	56	266874	21.930	ug/l #	84
32) 1,1,1-Trichloroethane	8.172	97	618719	45.002	ug/l	96
36) 1,1-Dichloropropene	8.372	75	392638	33.724	ug/l	99
37) Ethyl Acetate	7.566	43	388101	43.867	ug/l	95
38) Carbon Tetrachloride	8.366	117	452939	35.260	ug/l	95
39) Methylcyclohexane	9.601	83	344849	22.481	ug/l	96
40) Benzene	8.613	78	1560241	43.990	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.784	41	220270	47.803	ug/l	92
42) 1,2-Dichloroethane	8.678	62	589757	48.412	ug/l	96
43) Isopropyl Acetate	8.695	43	715775	46.766	ug/l	94
44) Trichloroethene	9.354	130	378592	41.689	ug/l	97
45) 1,2-Dichloropropane	9.625	63	373663	44.974	ug/l	100
46) Dibromomethane	9.713	93	346213	51.355	ug/l	94
47) Bromodichloromethane	9.889	83	654213	50.169	ug/l	98
48) Methyl methacrylate	9.683	41	308943	44.344	ug/l	87
49) 1,4-Dioxane	9.695	88	199008	1138.782	ug/l #	89
51) 4-Methyl-2-Pentanone	10.448	43	2094001	233.252	ug/l	93
52) Toluene	10.630	92	1023838	44.063	ug/l	98
53) t-1,3-Dichloropropene	10.836	75	626591	47.453	ug/l	100
54) cis-1,3-Dichloropropene	10.313	75	661873	46.051	ug/l #	92
55) 1,1,2-Trichloroethane	11.019	97	509712	54.552	ug/l	98
56) Ethyl methacrylate	10.877	69	703313	53.719	ug/l #	89
57) 1,3-Dichloropropane	11.166	76	785728	52.794	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.166	63	1082730	244.499	ug/l	92
59) 2-Hexanone	11.195	43	1508612	231.184	ug/l	91
60) Dibromochloromethane	11.360	129	544939	56.196	ug/l	100
61) 1,2-Dibromoethane	11.472	107	528151	55.366	ug/l	99
64) Tetrachloroethene	11.107	164	259406	37.071	ug/l	97
65) Chlorobenzene	11.895	112	1137045	45.967	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.960	131	463547	51.507	ug/l	97
67) Ethyl Benzene	11.966	91	1739294	39.942	ug/l	99
68) m/p-Xylenes	12.072	106	1414928	83.605	ug/l	96
69) o-Xylene	12.401	106	760220	45.668	ug/l	98
70) Styrene	12.413	104	1272038	48.862	ug/l	97
71) Bromoform	12.583	173	353293	60.003	ug/l #	99
73) Isopropylbenzene	12.701	105	1656072	39.431	ug/l	98
74) N-amyl acetate	12.495	43	574156	46.176	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.942	83	724355	54.891	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	594972m	56.531	ug/l	
77) Bromobenzene	12.983	156	457320	49.962	ug/l	97
78) n-propylbenzene	13.036	91	1684744	36.279	ug/l	97
79) 2-Chlorotoluene	13.124	91	1224071	42.752	ug/l	96
80) 1,3,5-Trimethylbenzene	13.177	105	1400865	44.914	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.742	75	190850	51.230	ug/l	94
82) 4-Chlorotoluene	13.224	91	1169453	43.711	ug/l	99
83) tert-Butylbenzene	13.442	119	1175335	38.804	ug/l	97
84) 1,2,4-Trimethylbenzene	13.483	105	1387066	47.618	ug/l	97
85) sec-Butylbenzene	13.618	105	1464775	35.232	ug/l	98
86) p-Isopropyltoluene	13.730	119	1205743	37.694	ug/l	98
87) 1,3-Dichlorobenzene	13.736	146	749333	46.032	ug/l	98
88) 1,4-Dichlorobenzene	13.813	146	746006	46.414	ug/l	98
89) n-Butylbenzene	14.060	91	857566	34.642	ug/l	98
90) Hexachloroethane	14.336	117	247502	35.022	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	798316	49.445	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.724	75	136788	56.054	ug/l	92
93) 1,2,4-Trichlorobenzene	15.395	180	217225	43.997	ug/l	94
94) Hexachlorobutadiene	15.507	225	106367	32.602	ug/l	97
95) Naphthalene	15.642	128	1271034	59.535	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	223983	47.199	ug/l	97

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

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