

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052423\
 Data File : VN077864.D
 Acq On : 24 May 2023 20:19
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 05/25/2023
 Supervised By : Mahesh Dadoda 05/25/2023

Quant Time: May 25 01:44:34 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	408446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	737085	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	644308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	282902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	287595	47.059	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.120%		
35) Dibromofluoromethane	8.177	113	252517	52.537	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.080%		
50) Toluene-d8	10.577	98	932515	50.405	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.820%		
62) 4-Bromofluorobenzene	12.853	95	315944	48.354	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.700%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.136	85	213400	45.908	ug/l	99
3) Chloromethane	2.371	50	232979	47.171	ug/l	96
4) Vinyl Chloride	2.518	62	304004	51.872	ug/l	96
5) Bromomethane	2.954	94	219102	50.549	ug/l	98
6) Chloroethane	3.118	64	215004	50.905	ug/l	96
7) Trichlorofluoromethane	3.501	101	420911	51.535	ug/l	98
8) Diethyl Ether	3.971	74	146638	49.179	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.377	101	228587	50.573	ug/l	97
10) Methyl Iodide	4.595	142	326269	60.527	ug/l	97
11) Tert butyl alcohol	5.530	59	200324	237.511	ug/l	98
12) 1,1-Dichloroethene	4.348	96	222489	51.790	ug/l	87
13) Acrolein	4.189	56	123415	233.284	ug/l	97
14) Allyl chloride	5.030	41	291518	46.193	ug/l	94
15) Acrylonitrile	5.730	53	552464	245.177	ug/l	99
16) Acetone	4.436	43	430701	224.005	ug/l	96
17) Carbon Disulfide	4.718	76	562801	48.622	ug/l	99
18) Methyl Acetate	5.036	43	388150	48.121	ug/l	90
19) Methyl tert-butyl Ether	5.806	73	776312	49.925	ug/l	93
20) Methylene Chloride	5.283	84	269730	54.058	ug/l	95
21) trans-1,2-Dichloroethene	5.795	96	247388	51.266	ug/l	86
22) Diisopropyl ether	6.689	45	731421	49.446	ug/l	92
23) Vinyl Acetate	6.612	43	2222555	242.503	ug/l #	91
24) 1,1-Dichloroethane	6.577	63	461505	50.925	ug/l	97
25) 2-Butanone	7.489	43	696395	231.535	ug/l #	87
26) 2,2-Dichloropropane	7.494	77	349949	45.452	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	305244	52.755	ug/l	95
28) Bromochloromethane	7.818	49	191978	48.982	ug/l	93
29) Tetrahydrofuran	7.847	42	459302	233.215	ug/l	86
30) Chloroform	7.971	83	508703	51.028	ug/l	92
31) Cyclohexane	8.265	56	401163	48.297	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	458568	54.104	ug/l	98
36) 1,1-Dichloropropene	8.377	75	372756	53.022	ug/l	98
37) Ethyl Acetate	7.565	43	293037	46.766	ug/l	95
38) Carbon Tetrachloride	8.371	117	401730	56.590	ug/l	97
39) Methylcyclohexane	9.606	83	451556	52.465	ug/l	92
40) Benzene	8.612	78	1113323	53.665	ug/l	98

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41) Methacrylonitrile	7.789	41	156400	46.868	ug/l	92
42) 1,2-Dichloroethane	8.677	62	382131	50.707	ug/l	97
43) Isopropyl Acetate	8.694	43	503834	49.227	ug/l	96
44) Trichloroethene	9.359	130	306507	58.349	ug/l	99
45) 1,2-Dichloropropane	9.630	63	278867	52.699	ug/l	93
46) Dibromomethane	9.712	93	198898	52.527	ug/l	93
47) Bromodichloromethane	9.894	83	395357	54.537	ug/l	99
48) Methyl methacrylate	9.688	41	230205	47.440	ug/l	92
49) 1,4-Dioxane	9.700	88	99553	1086.202	ug/l #	90
51) 4-Methyl-2-Pentanone	10.453	43	1519746	249.803	ug/l	94
52) Toluene	10.635	92	715808	55.423	ug/l	95
53) t-1,3-Dichloropropene	10.841	75	408779	53.248	ug/l	99
54) cis-1,3-Dichloropropene	10.318	75	446640	52.795	ug/l	95
55) 1,1,2-Trichloroethane	11.024	97	275627	53.748	ug/l	95
56) Ethyl methacrylate	10.882	69	413916	53.383	ug/l	94
57) 1,3-Dichloropropane	11.171	76	461202	52.461	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.165	63	841814	220.685	ug/l	94
59) 2-Hexanone	11.200	43	1089444	242.102	ug/l	92
60) Dibromochloromethane	11.365	129	301993	57.044	ug/l	99
61) 1,2-Dibromoethane	11.477	107	287799	56.255	ug/l	98
64) Tetrachloroethene	11.112	164	278929	61.904	ug/l	96
65) Chlorobenzene	11.900	112	774419	55.443	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.971	131	287134	59.411	ug/l	99
67) Ethyl Benzene	11.971	91	1387756	55.441	ug/l	99
68) m/p-Xylenes	12.077	106	1074782	113.320	ug/l	100
69) o-Xylene	12.406	106	522046	55.969	ug/l	97
70) Styrene	12.418	104	845263	57.045	ug/l	99
71) Bromoform	12.588	173	193015	60.034	ug/l #	99
73) Isopropylbenzene	12.706	105	1372307	56.274	ug/l	98
74) N-amyl acetate	12.500	43	415540	46.100	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	373894	49.838	ug/l	99
76) 1,2,3-Trichloropropane	13.000	75	334092m	47.156	ug/l	
77) Bromobenzene	12.988	156	300242	53.951	ug/l	97
78) n-propylbenzene	13.041	91	1576983	54.852	ug/l	99
79) 2-Chlorotoluene	13.129	91	928435	54.119	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	1157016	56.452	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	104222	47.022	ug/l	90
82) 4-Chlorotoluene	13.229	91	885473	51.876	ug/l	97
83) tert-Butylbenzene	13.447	119	991701	55.425	ug/l	97
84) 1,2,4-Trimethylbenzene	13.488	105	1140751	56.593	ug/l	98
85) sec-Butylbenzene	13.623	105	1399415	55.033	ug/l	100
86) p-Isopropyltoluene	13.735	119	1160947	57.267	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	546564	53.107	ug/l	98
88) 1,4-Dichlorobenzene	13.818	146	525908	51.495	ug/l	98
89) n-Butylbenzene	14.065	91	962042	51.595	ug/l	98
90) Hexachloroethane	14.341	117	195715	58.768	ug/l	90
91) 1,2-Dichlorobenzene	14.112	146	540398	56.206	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.729	75	68188	46.947	ug/l	99
93) 1,2,4-Trichlorobenzene	15.400	180	251092	44.690	ug/l	98
94) Hexachlorobutadiene	15.506	225	113645	48.716	ug/l	99
95) Naphthalene	15.647	128	784311	40.555	ug/l	100
96) 1,2,3-Trichlorobenzene	15.847	180	254304	46.228	ug/l	95

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

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