

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052323\
 Data File : VN077805.D
 Acq On : 23 May 2023 10:24
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: May 24 02:52:16 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	8.230	168	388821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	688541	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	619998	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	269759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	266927	45.881	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.760%		
35) Dibromofluoromethane	8.171	113	226148	50.368	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	100.740%		
50) Toluene-d8	10.571	98	824284	47.696	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.400%		
62) 4-Bromofluorobenzene	12.859	95	284453	46.604	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.200%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	200961	45.415	ug/l	99
3) Chloromethane	2.371	50	204886	43.435	ug/l	99
4) Vinyl Chloride	2.524	62	254188	45.561	ug/l	96
5) Bromomethane	2.953	94	194476	47.132	ug/l	99
6) Chloroethane	3.124	64	177665	44.188	ug/l	99
7) Trichlorofluoromethane	3.501	101	381592	49.079	ug/l	99
8) Diethyl Ether	3.971	74	146404	51.579	ug/l	84
9) 1,1,2-Trichlorotrifluo...	4.383	101	215726	50.136	ug/l	97
10) Methyl Iodide	4.600	142	288149	56.153	ug/l	98
11) Tert butyl alcohol	5.536	59	200203	249.348	ug/l	100
12) 1,1-Dichloroethene	4.353	96	194931	47.666	ug/l	91
13) Acrolein	4.189	56	149007	304.585	ug/l	97
14) Allyl chloride	5.036	41	268222	44.646	ug/l	93
15) Acrylonitrile	5.730	53	532138	248.076	ug/l	100
16) Acetone	4.436	43	467523	255.429	ug/l	97
17) Carbon Disulfide	4.718	76	437241	39.681	ug/l	97
18) Methyl Acetate	5.036	43	381927	49.739	ug/l	90
19) Methyl tert-butyl Ether	5.800	73	767410	51.843	ug/l	95
20) Methylene Chloride	5.283	84	252012	53.018	ug/l	92
21) trans-1,2-Dichloroethene	5.794	96	215842	46.986	ug/l	89
22) Diisopropyl ether	6.683	45	708030	50.280	ug/l	94
23) Vinyl Acetate	6.612	43	2091333	239.702	ug/l #	90
24) 1,1-Dichloroethane	6.577	63	432398	50.121	ug/l	97
25) 2-Butanone	7.488	43	695762	243.001	ug/l #	85
26) 2,2-Dichloropropane	7.500	77	372503	50.824	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	281625	51.129	ug/l	94
28) Bromochloromethane	7.818	49	186346	49.945	ug/l	94
29) Tetrahydrofuran	7.847	42	429639	229.164	ug/l	86
30) Chloroform	7.971	83	483252	50.922	ug/l	95
31) Cyclohexane	8.265	56	338811	42.849	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	410445	50.870	ug/l	99
36) 1,1-Dichloropropene	8.377	75	327783	49.912	ug/l	97
37) Ethyl Acetate	7.571	43	275316	47.035	ug/l	93
38) Carbon Tetrachloride	8.371	117	361735	54.548	ug/l	98
39) Methylcyclohexane	9.606	83	390495	48.570	ug/l	93
40) Benzene	8.612	78	1000082	51.605	ug/l	99

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41) Methacrylonitrile	7.788	41	151573	48.624	ug/l	93
42) 1,2-Dichloroethane	8.677	62	364940	51.840	ug/l	97
43) Isopropyl Acetate	8.694	43	482439	50.460	ug/l	96
44) Trichloroethene	9.359	130	263630	53.725	ug/l	100
45) 1,2-Dichloropropane	9.630	63	265498	53.710	ug/l	100
46) Dibromomethane	9.712	93	191802	54.225	ug/l	95
47) Bromodichloromethane	9.894	83	380204	56.144	ug/l	96
48) Methyl methacrylate	9.688	41	226212	49.903	ug/l	89
49) 1,4-Dioxane	9.700	88	93493	1092.001	ug/l	91
51) 4-Methyl-2-Pentanone	10.453	43	1443072	253.923	ug/l	94
52) Toluene	10.635	92	643618	53.347	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	405680	56.570	ug/l	98
54) cis-1,3-Dichloropropene	10.318	75	431442	54.594	ug/l	97
55) 1,1,2-Trichloroethane	11.024	97	267937	55.932	ug/l	96
56) Ethyl methacrylate	10.882	69	390593	53.926	ug/l	91
57) 1,3-Dichloropropane	11.171	76	450258	54.827	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.165	63	890039	249.778	ug/l	94
59) 2-Hexanone	11.200	43	1024064	243.618	ug/l	94
60) Dibromochloromethane	11.365	129	297638	60.185	ug/l	99
61) 1,2-Dibromoethane	11.476	107	272565	57.034	ug/l	98
64) Tetrachloroethene	11.112	164	254123	58.610	ug/l	98
65) Chlorobenzene	11.900	112	710223	52.841	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.965	131	272874	58.674	ug/l	96
67) Ethyl Benzene	11.971	91	1245729	51.719	ug/l	100
68) m/p-Xylenes	12.076	106	962448	105.455	ug/l	99
69) o-Xylene	12.406	106	480694	53.556	ug/l	99
70) Styrene	12.418	104	776394	54.452	ug/l	98
71) Bromoform	12.588	173	190032	61.424	ug/l #	99
73) Isopropylbenzene	12.700	105	1251110	53.804	ug/l	100
74) N-amyl acetate	12.500	43	391842	45.589	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.947	83	360010	50.326	ug/l	98
76) 1,2,3-Trichloropropane	13.000	75	308477m	45.662	ug/l	
77) Bromobenzene	12.988	156	281095	52.971	ug/l	97
78) n-propylbenzene	13.041	91	1429891	52.159	ug/l	100
79) 2-Chlorotoluene	13.129	91	852234	52.097	ug/l	96
80) 1,3,5-Trimethylbenzene	13.182	105	1065056	54.497	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	109330	51.730	ug/l #	84
82) 4-Chlorotoluene	13.229	91	815026	50.075	ug/l	96
83) tert-Butylbenzene	13.447	119	919604	53.900	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	1050739	54.667	ug/l	98
85) sec-Butylbenzene	13.623	105	1311957	54.108	ug/l	99
86) p-Isopropyltoluene	13.735	119	1088443	56.307	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	526126	53.612	ug/l	97
88) 1,4-Dichlorobenzene	13.817	146	506646	52.026	ug/l	99
89) n-Butylbenzene	14.065	91	907486	51.040	ug/l	98
90) Hexachloroethane	14.341	117	189188	59.576	ug/l	91
91) 1,2-Dichlorobenzene	14.112	146	516580	56.346	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.723	75	62086	44.829	ug/l	94
93) 1,2,4-Trichlorobenzene	15.400	180	249289	46.530	ug/l	97
94) Hexachlorobutadiene	15.506	225	125796	56.552	ug/l	98
95) Naphthalene	15.647	128	748692	40.600	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	256301	48.861	ug/l	98

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

