

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050423\
 Data File : VN077576.D
 Acq On : 04 May 2023 09:39
 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 05/05/2023
 Supervised By : Mahesh Dadoda 05/05/2023

Quant Time: May 05 04:09:13 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	8.230	168	677847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.101	114	1323532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.866	117	1183422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	505809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	455158	51.459	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.920%	
35) Dibromofluoromethane	8.172	113	405382	50.959	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.920%	
50) Toluene-d8	10.566	98	1574864	51.655	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.300%	
62) 4-Bromofluorobenzene	12.848	95	554343	55.573	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.140%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	381896	44.171	ug/l	100
3) Chloromethane	2.372	50	287230	42.272	ug/l	96
4) Vinyl Chloride	2.525	62	405055	44.750	ug/l	99
5) Bromomethane	2.948	94	336926	42.971	ug/l	98
6) Chloroethane	3.125	64	305029	44.356	ug/l	100
7) Trichlorofluoromethane	3.507	101	656569	49.351	ug/l	94
8) Diethyl Ether	3.972	74	238053	49.241	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.378	101	376753	48.693	ug/l	98
10) Methyl Iodide	4.601	142	455878	47.958	ug/l	98
11) Tert butyl alcohol	5.525	59	304566	214.490	ug/l	99
12) 1,1-Dichloroethene	4.348	96	366920	48.505	ug/l	95
13) Acrolein	4.184	56	295032	208.864	ug/l	95
14) Allyl chloride	5.031	41	353405	42.021	ug/l #	89
15) Acrylonitrile	5.725	53	798299	247.823	ug/l	99
16) Acetone	4.437	43	565515	200.965	ug/l	97
17) Carbon Disulfide	4.725	76	773502	40.241	ug/l	99
18) Methyl Acetate	5.031	43	536056	49.330	ug/l	98
19) Methyl tert-butyl Ether	5.801	73	1311689	52.140	ug/l	99
20) Methylene Chloride	5.284	84	422783	47.376	ug/l	99
21) trans-1,2-Dichloroethene	5.795	96	391707	47.887	ug/l	93
22) Diisopropyl ether	6.678	45	943862	48.900	ug/l	99
23) Vinyl Acetate	6.607	43	3259913m	270.432	ug/l	
24) 1,1-Dichloroethane	6.572	63	698133	51.096	ug/l	97
25) 2-Butanone	7.489	43	903653	226.412	ug/l	98
26) 2,2-Dichloropropane	7.495	77	503715	38.022	ug/l	96
27) cis-1,2-Dichloroethene	7.489	96	501366	51.754	ug/l	95
28) Bromochloromethane	7.819	49	264776	50.747	ug/l	90
29) Tetrahydrofuran	7.842	42	582696	233.014	ug/l	95
30) Chloroform	7.966	83	825957	53.640	ug/l	93
31) Cyclohexane	8.260	56	539727	43.075	ug/l	94
32) 1,1,1-Trichloroethane	8.172	97	760128	53.695	ug/l	97
36) 1,1-Dichloropropene	8.372	75	563462	49.028	ug/l	100
37) Ethyl Acetate	7.566	43	374160	42.844	ug/l	98
38) Carbon Tetrachloride	8.366	117	636982	50.234	ug/l	97
39) Methylcyclohexane	9.601	83	712891	47.081	ug/l	97
40) Benzene	8.607	78	1738974	49.669	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	204055	44.862	ug/l	93
42) 1,2-Dichloroethane	8.672	62	587216	48.832	ug/l	98
43) Isopropyl Acetate	8.689	43	702046	46.468	ug/l	97
44) Trichloroethene	9.354	130	443170	49.437	ug/l	98
45) 1,2-Dichloropropane	9.624	63	402483	49.076	ug/l	98
46) Dibromomethane	9.713	93	329656	49.538	ug/l	97
47) Bromodichloromethane	9.889	83	678794	52.734	ug/l	100
48) Methyl methacrylate	9.683	41	300760	43.733	ug/l	92
49) 1,4-Dioxane	9.695	88	160265	929.060	ug/l	98
51) 4-Methyl-2-Pentanone	10.442	43	1990151	224.579	ug/l	97
52) Toluene	10.630	92	1191893	51.966	ug/l	100
53) t-1,3-Dichloropropene	10.836	75	652783	50.082	ug/l	99
54) cis-1,3-Dichloropropene	10.313	75	712085	50.191	ug/l	93
55) 1,1,2-Trichloroethane	11.019	97	475839	51.592	ug/l	97
56) Ethyl methacrylate	10.877	69	659973	51.067	ug/l	92
57) 1,3-Dichloropropane	11.166	76	759142	51.673	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.160	63	998613	228.449	ug/l	97
59) 2-Hexanone	11.195	43	1423199	220.943	ug/l	95
60) Dibromochloromethane	11.360	129	511586	53.446	ug/l	100
61) 1,2-Dibromoethane	11.471	107	480918	51.073	ug/l	99
64) Tetrachloroethene	11.107	164	355283	50.152	ug/l	97
65) Chlorobenzene	11.895	112	1264217	50.484	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.960	131	465989	51.146	ug/l	98
67) Ethyl Benzene	11.966	91	2260033	51.267	ug/l	99
68) m/p-Xylenes	12.071	106	1787631	104.336	ug/l	99
69) o-Xylene	12.401	106	889650	52.790	ug/l	99
70) Styrene	12.413	104	1442597	54.736	ug/l	99
71) Bromoform	12.583	173	322955	54.180	ug/l #	100
73) Isopropylbenzene	12.695	105	2338987	49.833	ug/l	99
74) N-amyl acetate	12.495	43	589622	42.431	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.942	83	676583	45.877	ug/l	99
76) 1,2,3-Trichloropropane	12.995	75	554933m	47.180	ug/l	
77) Bromobenzene	12.983	156	491284	48.026	ug/l	97
78) n-propylbenzene	13.036	91	2620594	50.495	ug/l	100
79) 2-Chlorotoluene	13.130	91	1591568	49.740	ug/l	99
80) 1,3,5-Trimethylbenzene	13.177	105	1928603	55.329	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.736	75	175952	42.262	ug/l	97
82) 4-Chlorotoluene	13.224	91	1528434	51.118	ug/l	99
83) tert-Butylbenzene	13.442	119	1707787	50.451	ug/l	100
84) 1,2,4-Trimethylbenzene	13.483	105	1879525	57.737	ug/l	100
85) sec-Butylbenzene	13.618	105	2422501	52.139	ug/l	100
86) p-Isopropyltoluene	13.730	119	1939435	54.252	ug/l	100
87) 1,3-Dichlorobenzene	13.736	146	910921	50.072	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	896382	49.902	ug/l	99
89) n-Butylbenzene	14.059	91	1571745	56.812	ug/l	100
90) Hexachloroethane	14.336	117	387612	49.078	ug/l	98
91) 1,2-Dichlorobenzene	14.107	146	912224	50.556	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.724	75	123582	45.315	ug/l	97
93) 1,2,4-Trichlorobenzene	15.395	180	288557	49.833	ug/l	96
94) Hexachlorobutadiene	15.501	225	182923	50.168	ug/l	99
95) Naphthalene	15.642	128	1131411	50.918	ug/l	100
96) 1,2,3-Trichlorobenzene	15.842	180	266409	49.352	ug/l	96

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

