

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074952.D
 Acq On : 21 Oct 2022 10:32
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 10/24/2022
 Supervised By : Mahesh Dadoda 10/24/2022

Quant Time: Oct 22 02:50:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	431261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	732036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	825791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	589185	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	543981	47.475	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.940%		
35) Dibromofluoromethane	8.171	113	434685	49.889	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.780%		
50) Toluene-d8	10.565	98	1714599	51.289	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.580%		
62) 4-Bromofluorobenzene	12.847	95	633018	53.682	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	107.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	323745	48.023	ug/l	97
3) Chloromethane	2.371	50	321727	46.566	ug/l	99
4) Vinyl Chloride	2.524	62	500244	47.953	ug/l	98
5) Bromomethane	2.918	94	436703	51.974	ug/l	97
6) Chloroethane	3.100	64	382310	48.289	ug/l	95
7) Trichlorofluoromethane	3.495	101	567011	51.186	ug/l	100
8) Diethyl Ether	3.971	74	242110	47.372	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.377	101	341384	52.115	ug/l	99
10) Methyl Iodide	4.595	142	467034	48.434	ug/l	98
11) Tert butyl alcohol	5.536	59	505728	208.763	ug/l	99
12) 1,1-Dichloroethene	4.342	96	301329	51.049	ug/l	90
13) Acrolein	4.183	56	299599	253.541	ug/l	95
14) Allyl chloride	5.036	41	510132	48.616	ug/l	96
15) Acrylonitrile	5.724	53	1158628	236.436	ug/l	98
16) Acetone	4.436	43	992458	254.129	ug/l	98
17) Carbon Disulfide	4.718	76	612013	50.532	ug/l	98
18) Methyl Acetate	5.042	43	644741	44.306	ug/l	99
19) Methyl tert-butyl Ether	5.800	73	1359118	48.850	ug/l	100
20) Methylene Chloride	5.283	84	397129	51.538	ug/l	94
21) trans-1,2-Dichloroethene	5.794	96	327274	47.005	ug/l	96
22) Diisopropyl ether	6.683	45	1166258	48.569	ug/l	99
23) Vinyl Acetate	6.612	43	4822714m	255.142	ug/l	
24) 1,1-Dichloroethane	6.577	63	706895	47.609	ug/l	98
25) 2-Butanone	7.488	43	1541559	220.848	ug/l	97
26) 2,2-Dichloropropane	7.494	77	670223	47.763	ug/l	98
27) cis-1,2-Dichloroethene	7.488	96	449205	46.668	ug/l	98
28) Bromochloromethane	7.818	49	319266	51.603	ug/l	100
29) Tetrahydrofuran	7.841	42	953297	221.437	ug/l	99
30) Chloroform	7.971	83	795531	47.417	ug/l	99
31) Cyclohexane	8.259	56	538436	45.994	ug/l	91
32) 1,1,1-Trichloroethane	8.171	97	704556	46.671	ug/l	97
36) 1,1-Dichloropropene	8.371	75	528903	48.200	ug/l	97
37) Ethyl Acetate	7.565	43	582403	45.074	ug/l	98
38) Carbon Tetrachloride	8.365	117	582760	48.786	ug/l	97
39) Methylcyclohexane	9.600	83	647604	49.812	ug/l	98
40) Benzene	8.606	78	1643443	48.580	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	323591	49.896	ug/l	94
42) 1,2-Dichloroethane	8.677	62	628152	49.053	ug/l	99
43) Isopropyl Acetate	8.694	43	967492	48.276	ug/l	99
44) Trichloroethene	9.353	130	398566	48.003	ug/l	92
45) 1,2-Dichloropropane	9.624	63	435447	49.942	ug/l	99
46) Dibromomethane	9.712	93	323081	50.671	ug/l	97
47) Bromodichloromethane	9.888	83	647242	50.251	ug/l	98
48) Methyl methacrylate	9.682	41	445655	50.856	ug/l	100
49) 1,4-Dioxane	9.694	88	243668	961.745	ug/l	97
51) 4-Methyl-2-Pentanone	10.447	43	3220741	242.618	ug/l	99
52) Toluene	10.629	92	1128978	51.144	ug/l	98
53) t-1,3-Dichloropropene	10.835	75	702129	55.253	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	718623	51.137	ug/l	93
55) 1,1,2-Trichloroethane	11.018	97	473504	51.116	ug/l	94
56) Ethyl methacrylate	10.876	69	732116	52.482	ug/l	99
57) 1,3-Dichloropropane	11.165	76	795572	50.588	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	1545057	246.343	ug/l	100
59) 2-Hexanone	11.194	43	2434096	241.776	ug/l	100
60) Dibromochloromethane	11.359	129	511797	52.629	ug/l	100
61) 1,2-Dibromoethane	11.471	107	486038	52.037	ug/l	98
64) Tetrachloroethene	11.106	164	314536	46.579	ug/l	98
65) Chlorobenzene	11.894	112	1217659	48.767	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	473692	50.333	ug/l	97
67) Ethyl Benzene	11.965	91	2251467	50.784	ug/l	98
68) m/p-Xylenes	12.070	106	1788195	103.446	ug/l	100
69) o-Xylene	12.400	106	896192	51.754	ug/l	96
70) Styrene	12.412	104	1500536	54.672	ug/l	99
71) Bromoform	12.576	173	360074	50.695	ug/l #	99
73) Isopropylbenzene	12.694	105	2346282	48.754	ug/l	99
74) N-amyl acetate	12.494	43	916458	47.395	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.941	83	793852	44.170	ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	583493m	36.518	ug/l	
77) Bromobenzene	12.982	156	510305	46.240	ug/l	98
78) n-propylbenzene	13.035	91	2756508	48.941	ug/l	99
79) 2-Chlorotoluene	13.123	91	1665359	47.732	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	2033742	48.924	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	278897	55.964	ug/l	93
82) 4-Chlorotoluene	13.123	91	1665359	47.732	ug/l	98
83) tert-Butylbenzene	13.441	119	1811203	49.235	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	2134089	50.828	ug/l	97
85) sec-Butylbenzene	13.617	105	2640603	51.124	ug/l	100
86) p-Isopropyltoluene	13.729	119	2244700	52.768	ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	1077410	51.027	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	1060867	49.557	ug/l	98
89) n-Butylbenzene	14.059	91	1918100	52.803	ug/l	99
90) Hexachloroethane	14.335	117	396647	48.126	ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	1044755	48.273	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	174129	46.629	ug/l	97
93) 1,2,4-Trichlorobenzene	15.394	180	504213	53.534	ug/l	97
94) Hexachlorobutadiene	15.500	225	234933	48.315	ug/l	100
95) Naphthalene	15.641	128	1962670	54.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	505479	53.326	ug/l	99

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

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