

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011122\
 Data File : VN070576.D
 Acq On : 11 Jan 2022 18:42
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2022
 Supervised By : Mahesh Dadoda 01/12/2022

Quant Time: Jan 12 06:03:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.083	168	974140	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1625500	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1517387	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	645637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	631915	45.117	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.240%		
35) Dibromofluoromethane	8.019	113	471161	47.906	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.820%		
50) Toluene-d8	10.438	98	1922461	47.849	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.700%		
62) 4-Bromofluorobenzene	12.728	95	731399	50.402	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	100.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	445295	40.308	ug/l	100
3) Chloromethane	2.303	50	646087	42.993	ug/l	98
4) Vinyl Chloride	2.448	62	602513	44.037	ug/l	98
5) Bromomethane	2.842	94	323897	45.866	ug/l	98
6) Chloroethane	3.014	64	375916	45.623	ug/l	97
7) Trichlorofluoromethane	3.376	101	734008	44.571	ug/l	98
8) Diethyl Ether	3.821	74	356156	49.060	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.207	101	473611	47.020	ug/l	95
10) Methyl Iodide	4.422	142	648273	47.558	ug/l	97
11) Tert butyl alcohol	5.371	59	559077	239.730	ug/l	97
12) 1,1-Dichloroethene	4.181	96	459557	46.321	ug/l	92
13) Acrolein	4.036	56	481690	254.560	ug/l	100
14) Allyl chloride	4.838	41	1104987	49.124	ug/l #	83
15) Acrylonitrile	5.551	53	1882799	258.717	ug/l	99
16) Acetone	4.283	43	1919075	211.067	ug/l	98
17) Carbon Disulfide	4.529	76	1108788	40.943	ug/l	99
18) Methyl Acetate	4.851	43	1304932	49.615	ug/l	91
19) Methyl tert-butyl Ether	5.616	73	1839514	49.927	ug/l	94
20) Methylene Chloride	5.093	84	580101	46.114	ug/l	87
21) trans-1,2-Dichloroethene	5.597	96	488305	46.485	ug/l	86
22) Diisopropyl ether	6.493	45	2269987	51.812	ug/l #	90
23) Vinyl Acetate	6.431	43	8627755	253.814	ug/l	95
24) 1,1-Dichloroethane	6.388	63	1101123	48.471	ug/l	97
25) 2-Butanone	7.332	43	2769078	241.878	ug/l	92
26) 2,2-Dichloropropane	7.321	77	816790	45.577	ug/l	98
27) cis-1,2-Dichloroethene	7.324	96	604304	48.213	ug/l	87
28) Bromochloromethane	7.657	49	560642	50.464	ug/l #	76
29) Tetrahydrofuran	7.681	42	1736771	254.270	ug/l	87
30) Chloroform	7.815	83	1025546	46.795	ug/l	99
31) Cyclohexane	8.094	56	1025200	46.384	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	833010	45.079	ug/l	97
36) 1,1-Dichloropropene	8.220	75	760678	46.754	ug/l	96
37) Ethyl Acetate	7.410	43	1031285	48.901	ug/l	97
38) Carbon Tetrachloride	8.204	117	666328	42.890	ug/l	100
39) Methylcyclohexane	9.459	83	942084	47.828	ug/l	89
40) Benzene	8.458	78	2402497	48.166	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.632	41	541096	51.297	ug/l #	88
42) 1,2-Dichloroethane	8.528	62	832753	44.417	ug/l	99
43) Isopropyl Acetate	8.558	43	1660482	49.940	ug/l #	95
44) Trichloroethene	9.215	130	540424	45.598	ug/l	93
45) 1,2-Dichloropropane	9.488	63	677121	50.419	ug/l	100
46) Dibromomethane	9.574	93	390022	46.704	ug/l	95
47) Bromodichloromethane	9.759	83	777050	46.861	ug/l	97
48) Methyl methacrylate	9.558	41	755479	47.635	ug/l #	85
49) 1,4-Dioxane	9.566	88	221402	953.670	ug/l #	85
51) 4-Methyl-2-Pentanone	10.328	43	5396955	258.317	ug/l	98
52) Toluene	10.502	92	1483876	49.148	ug/l	97
53) t-1,3-Dichloropropene	10.717	75	878081	48.915	ug/l	98
54) cis-1,3-Dichloropropene	10.186	75	984490	50.698	ug/l	99
55) 1,1,2-Trichloroethane	10.896	97	589813	49.374	ug/l	98
56) Ethyl methacrylate	10.757	69	1040785	52.729	ug/l	88
57) 1,3-Dichloropropane	11.041	76	1046160	49.514	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.038	63	1105551	221.554	ug/l	90
59) 2-Hexanone	11.081	43	3871795	254.122	ug/l	97
60) Dibromochloromethane	11.234	129	557239	47.810	ug/l	99
61) 1,2-Dibromoethane	11.342	107	590558	48.688	ug/l	99
64) Tetrachloroethene	10.974	164	491164	44.700	ug/l	96
65) Chlorobenzene	11.768	112	1539880	47.828	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.838	131	532386	46.320	ug/l	98
67) Ethyl Benzene	11.840	91	2874121	48.722	ug/l	97
68) m/p-Xylenes	11.950	106	2119639	98.714	ug/l	93
69) o-Xylene	12.278	106	1074269	50.298	ug/l	93
70) Styrene	12.291	104	1759184	52.041	ug/l	96
71) Bromoform	12.455	173	409862	48.049	ug/l #	100
73) Isopropylbenzene	12.575	105	2801799	46.730	ug/l	99
74) N-amyl acetate	12.385	43	1196677	47.469	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.825	83	922358	46.603	ug/l	99
76) 1,2,3-Trichloropropane	12.876	75	878195m	46.167	ug/l	
77) Bromobenzene	12.857	156	634150	46.069	ug/l	77
78) n-propylbenzene	12.919	91	3218298	48.446	ug/l	96
79) 2-Chlorotoluene	13.004	91	1977117	46.385	ug/l	93
80) 1,3,5-Trimethylbenzene	13.055	105	2304225	47.958	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.624	75	261318	49.450	ug/l	94
82) 4-Chlorotoluene	13.101	91	1886091	47.239	ug/l	92
83) tert-Butylbenzene	13.321	119	2011608	47.548	ug/l	95
84) 1,2,4-Trimethylbenzene	13.364	105	2241292	48.444	ug/l	98
85) sec-Butylbenzene	13.498	105	2832328	49.311	ug/l	97
86) p-Isopropyltoluene	13.613	119	2245830	49.775	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	1074626	46.635	ug/l	97
88) 1,4-Dichlorobenzene	13.691	146	1034047	45.492	ug/l	97
89) n-Butylbenzene	13.940	91	1873809	49.790	ug/l	97
90) Hexachloroethane	14.209	117	367377	46.869	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	1038019	45.950	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.600	75	155406	44.743	ug/l	82
93) 1,2,4-Trichlorobenzene	15.260	180	522740	49.111	ug/l	97
94) Hexachlorobutadiene	15.364	225	317369	51.304	ug/l	99
95) Naphthalene	15.501	128	1412998	48.104	ug/l	100
96) 1,2,3-Trichlorobenzene	15.697	180	508530	49.949	ug/l	99

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

