

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010422\
 Data File : VN070478.D
 Acq On : 4 Jan 2022 21:21
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/05/2022
 Supervised By : Mahesh Dadoda 01/05/2022

Quant Time: Jan 05 03:23:02 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	903030	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1530765	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1422473	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	619356	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	662081	50.993	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.980%			
35) Dibromofluoromethane	8.018	113	487368	52.621	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.240%			
50) Toluene-d8	10.440	98	1969208	52.046	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.100%			
62) 4-Bromofluorobenzene	12.728	95	732622	53.611	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 107.220%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.073	85	509094	49.712	ug/l	100
3) Chloromethane	2.303	50	719896	51.677	ug/l	98
4) Vinyl Chloride	2.448	62	664876	52.421	ug/l	99
5) Bromomethane	2.848	94	349906	53.450	ug/l	97
6) Chloroethane	3.019	64	395277	51.750	ug/l	99
7) Trichlorofluoromethane	3.379	101	774049	50.704	ug/l	99
8) Diethyl Ether	3.824	74	374577	55.660	ug/l	81
9) 1,1,2-Trichlorotrifluo...	4.210	101	499529	53.499	ug/l	96
10) Methyl Iodide	4.419	142	691844	54.751	ug/l	98
11) Tert butyl alcohol	5.369	59	592194	273.926	ug/l	98
12) 1,1-Dichloroethene	4.181	96	496795	54.017	ug/l	92
13) Acrolein	4.038	56	378031	215.511	ug/l	99
14) Allyl chloride	4.840	41	1160205	55.641	ug/l	86
15) Acrylonitrile	5.551	53	2019411	299.340	ug/l	99
16) Acetone	4.285	43	1838868	218.172	ug/l	100
17) Carbon Disulfide	4.529	76	1265890	50.425	ug/l	98
18) Methyl Acetate	4.854	43	1389143	56.976	ug/l	92
19) Methyl tert-butyl Ether	5.615	73	1941782	56.853	ug/l	95
20) Methylene Chloride	5.095	84	619428	53.118	ug/l #	86
21) trans-1,2-Dichloroethene	5.597	96	531591	54.591	ug/l	88
22) Diisopropyl ether	6.495	45	2370977	58.379	ug/l #	92
23) Vinyl Acetate	6.431	43	9163522	290.803	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1164633	55.304	ug/l	98
25) 2-Butanone	7.335	43	2880240	271.399	ug/l	92
26) 2,2-Dichloropropane	7.324	77	806323	48.536	ug/l	97
27) cis-1,2-Dichloroethene	7.324	96	644733	55.489	ug/l	87
28) Bromochloromethane	7.656	49	514371	49.945	ug/l #	76
29) Tetrahydrofuran	7.683	42	1908568	301.425	ug/l	87
30) Chloroform	7.815	83	1106869	54.483	ug/l	99
31) Cyclohexane	8.094	56	1099425	53.659	ug/l	87
32) 1,1,1-Trichloroethane	8.013	97	899135	52.489	ug/l	96
36) 1,1-Dichloropropene	8.220	75	813355	53.085	ug/l	97
37) Ethyl Acetate	7.410	43	1145343	57.671	ug/l	97
38) Carbon Tetrachloride	8.204	117	724785	49.540	ug/l	99
39) Methylcyclohexane	9.459	83	992254	53.493	ug/l	90
40) Benzene	8.458	78	2550666	54.301	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	603271	60.730	ug/l #	86
42) 1,2-Dichloroethane	8.528	62	927874	52.553	ug/l	98
43) Isopropyl Acetate	8.560	43	1761200	56.247	ug/l #	95
44) Trichloroethene	9.215	130	579002	51.877	ug/l	92
45) 1,2-Dichloropropane	9.488	63	711452	56.254	ug/l	100
46) Dibromomethane	9.577	93	425460	54.100	ug/l	94
47) Bromodichloromethane	9.759	83	841048	53.860	ug/l	99
48) Methyl methacrylate	9.558	41	814014	54.502	ug/l	85
49) 1,4-Dioxane	9.566	88	253337	1158.760	ug/l #	84
51) 4-Methyl-2-Pentanone	10.328	43	5810600	295.327	ug/l	97
52) Toluene	10.502	92	1563384	54.986	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	918201	54.316	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	1026502	56.133	ug/l	96
55) 1,1,2-Trichloroethane	10.896	97	621508	55.247	ug/l	97
56) Ethyl methacrylate	10.759	69	1078750	58.035	ug/l	89
57) 1,3-Dichloropropane	11.041	76	1115815	56.079	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.038	63	1112418	235.459	ug/l	90
59) 2-Hexanone	11.084	43	4138293	288.423	ug/l	95
60) Dibromochloromethane	11.237	129	598616	54.539	ug/l	99
61) 1,2-Dibromoethane	11.344	107	626181	54.820	ug/l	99
64) Tetrachloroethene	10.974	164	511652	49.672	ug/l	97
65) Chlorobenzene	11.768	112	1627348	53.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.838	131	567384	52.658	ug/l	99
67) Ethyl Benzene	11.840	91	3058518	55.308	ug/l	96
68) m/p-Xylenes	11.950	106	2244675	111.512	ug/l	93
69) o-Xylene	12.277	106	1129105	56.393	ug/l	93
70) Styrene	12.291	104	1864322	58.832	ug/l	96
71) Bromoform	12.457	173	446599	55.849	ug/l #	100
73) Isopropylbenzene	12.575	105	2936756	51.060	ug/l	99
74) N-amyl acetate	12.387	43	1313706	54.322	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.825	83	1002409	53.537	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	898838m	49.074	ug/l	
77) Bromobenzene	12.857	156	674602	51.088	ug/l	77
78) n-propylbenzene	12.918	91	3355170	52.649	ug/l	96
79) 2-Chlorotoluene	13.004	91	2079506	50.857	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2398644	52.042	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.623	75	270539	53.368	ug/l	99
82) 4-Chlorotoluene	13.101	91	1980502	51.708	ug/l	92
83) tert-Butylbenzene	13.321	119	2134389	52.591	ug/l	95
84) 1,2,4-Trimethylbenzene	13.366	105	2355708	53.078	ug/l	98
85) sec-Butylbenzene	13.498	105	2941849	53.391	ug/l	98
86) p-Isopropyltoluene	13.613	119	2320947	53.622	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	1151448	52.089	ug/l	97
88) 1,4-Dichlorobenzene	13.691	146	1105075	50.679	ug/l	97
89) n-Butylbenzene	13.940	91	1886911	52.265	ug/l	97
90) Hexachloroethane	14.208	117	388094	51.613	ug/l	91
91) 1,2-Dichlorobenzene	13.986	146	1114190	51.415	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.600	75	171514	51.477	ug/l	81
93) 1,2,4-Trichlorobenzene	15.260	180	522745	51.196	ug/l	99
94) Hexachlorobutadiene	15.367	225	316248	53.292	ug/l	99
95) Naphthalene	15.504	128	1439708	50.981	ug/l	100
96) 1,2,3-Trichlorobenzene	15.697	180	514974	52.682	ug/l	98

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

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