

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021622\
 Data File : VN070971.D
 Acq On : 16 Feb 2022 20:20
 Operator : JC\MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/17/2022
 Supervised By : Mahesh Dadoda 02/21/2022

Quant Time: Feb 17 04:15:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021522W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 16 07:52:42 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.081	168	697062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1110494	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	998551	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	428313	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	398642	50.064	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.120%			
35) Dibromofluoromethane	8.016	113	322334	48.800	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 97.600%			
50) Toluene-d8	10.439	98	1277920	48.176	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.360%			
62) 4-Bromofluorobenzene	12.727	95	427701	45.109	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.220%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	343589	47.457	ug/l	99
3) Chloromethane	2.299	50	441143	48.476	ug/l	99
4) Vinyl Chloride	2.446	62	448598	49.244	ug/l	99
5) Bromomethane	2.846	94	224375	43.358	ug/l	99
6) Chloroethane	3.016	64	280353	46.910	ug/l	98
7) Trichlorofluoromethane	3.375	101	543128	47.575	ug/l	97
8) Diethyl Ether	3.822	74	231956	46.738	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.199	101	328532	46.904	ug/l	96
10) Methyl Iodide	4.410	142	435155	44.858	ug/l	98
11) Tert butyl alcohol	5.381	59	394718	272.004	ug/l	98
12) 1,1-Dichloroethene	4.175	96	325215	47.656	ug/l	96
13) Acrolein	4.034	56	314671	242.668	ug/l	100
14) Allyl chloride	4.834	41	634687	48.766	ug/l	88
15) Acrylonitrile	5.551	53	1190806	278.590	ug/l	99
16) Acetone	4.287	43	952522	217.212	ug/l	96
17) Carbon Disulfide	4.522	76	870620	44.488	ug/l	100
18) Methyl Acetate	4.857	43	518247	54.022	ug/l	100
19) Methyl tert-butyl Ether	5.616	73	1241298	51.854	ug/l	97
20) Methylene Chloride	5.087	84	394604	49.513	ug/l	95
21) trans-1,2-Dichloroethene	5.593	96	347284	47.413	ug/l	94
22) Diisopropyl ether	6.492	45	1323051	53.003	ug/l	93
23) Vinyl Acetate	6.434	43	5745282	271.896	ug/l	99
24) 1,1-Dichloroethane	6.387	63	713888	51.017	ug/l	99
25) 2-Butanone	7.334	43	1614075	276.686	ug/l	98
26) 2,2-Dichloropropane	7.322	77	553018	47.552	ug/l	98
27) cis-1,2-Dichloroethene	7.322	96	420979	50.007	ug/l	95
28) Bromochloromethane	7.657	49	269330	47.555	ug/l	91
29) Tetrahydrofuran	7.681	42	1103299	291.947	ug/l	95
30) Chloroform	7.816	83	690537	50.175	ug/l	99
31) Cyclohexane	8.092	56	668364	48.534	ug/l	95
32) 1,1,1-Trichloroethane	8.010	97	606849	51.059	ug/l	99
36) 1,1-Dichloropropene	8.216	75	520468	48.095	ug/l	98
37) Ethyl Acetate	7.410	43	636784	54.868	ug/l	100
38) Carbon Tetrachloride	8.204	117	520758	48.840	ug/l	100
39) Methylcyclohexane	9.457	83	645755	46.375	ug/l	97
40) Benzene	8.457	78	1595523	49.844	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.634	41	322802	52.810	ug/l	91
42) 1,2-Dichloroethane	8.528	62	545961	50.079	ug/l	98
43) Isopropyl Acetate	8.557	43	991513	54.201	ug/l	98
44) Trichloroethene	9.210	130	398767	47.308	ug/l	96
45) 1,2-Dichloropropane	9.486	63	417725	50.945	ug/l	100
46) Dibromomethane	9.575	93	269696	49.980	ug/l	100
47) Bromodichloromethane	9.757	83	541800	49.681	ug/l	97
48) Methyl methacrylate	9.557	41	480437	55.486	ug/l #	83
49) 1,4-Dioxane	9.563	88	161031	1047.077	ug/l	92
51) 4-Methyl-2-Pentanone	10.328	43	3203416	287.816	ug/l	96
52) Toluene	10.498	92	1017599	50.591	ug/l	95
53) t-1,3-Dichloropropene	10.716	75	588615	49.637	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	654708	50.273	ug/l	93
55) 1,1,2-Trichloroethane	10.892	97	398428	50.605	ug/l	98
56) Ethyl methacrylate	10.757	69	661726	55.782	ug/l	95
57) 1,3-Dichloropropane	11.039	76	704724	51.747	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.039	63	604013	231.587	ug/l	98
59) 2-Hexanone	11.080	43	2254527	294.527	ug/l	96
60) Dibromochloromethane	11.233	129	422744	50.806	ug/l	100
61) 1,2-Dibromoethane	11.339	107	410132	51.213	ug/l	99
64) Tetrachloroethene	10.975	164	351004	45.135	ug/l	95
65) Chlorobenzene	11.763	112	1061267	49.322	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.833	131	393085	50.116	ug/l	99
67) Ethyl Benzene	11.839	91	1928343	51.204	ug/l	98
68) m/p-Xylenes	11.945	106	1473121	101.267	ug/l	100
69) o-Xylene	12.274	106	738551	51.973	ug/l	100
70) Styrene	12.286	104	1181061	52.270	ug/l	98
71) Bromoform	12.457	173	322783	51.673	ug/l #	100
73) Isopropylbenzene	12.574	105	1879046	54.504	ug/l	100
74) N-amyl acetate	12.380	43	688094	62.439	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.821	83	618977	56.500	ug/l	99
76) 1,2,3-Trichloropropane	12.874	75	468744m	46.481	ug/l	
77) Bromobenzene	12.857	156	442860	52.474	ug/l	87
78) n-propylbenzene	12.916	91	2084958	53.826	ug/l	99
79) 2-Chlorotoluene	13.004	91	1279263	54.383	ug/l	96
80) 1,3,5-Trimethylbenzene	13.057	105	1525426	54.615	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.621	75	170403	54.755	ug/l	91
82) 4-Chlorotoluene	13.098	91	1210419	53.009	ug/l	95
83) tert-Butylbenzene	13.316	119	1405314	53.054	ug/l	98
84) 1,2,4-Trimethylbenzene	13.363	105	1500397	54.571	ug/l	99
85) sec-Butylbenzene	13.498	105	1863417	53.388	ug/l	100
86) p-Isopropyltoluene	13.610	119	1545967	53.955	ug/l	99
87) 1,3-Dichlorobenzene	13.610	146	749917	50.195	ug/l	98
88) 1,4-Dichlorobenzene	13.692	146	724769	49.514	ug/l	98
89) n-Butylbenzene	13.939	91	1161795	49.699	ug/l	97
90) Hexachloroethane	14.204	117	270437	52.851	ug/l	93
91) 1,2-Dichlorobenzene	13.980	146	726066	51.754	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.598	75	106746	60.138	ug/l	93
93) 1,2,4-Trichlorobenzene	15.257	180	348063	44.374	ug/l	99
94) Hexachlorobutadiene	15.362	225	213446	41.722	ug/l	99
95) Naphthalene	15.504	128	944722	49.402	ug/l	99
96) 1,2,3-Trichlorobenzene	15.692	180	345081	47.597	ug/l	99

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

