

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010522\
 Data File : VN070480.D
 Acq On : 5 Jan 2022 10:59
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/06/2022
 Supervised By : Mahesh Dadoda 01/11/2022

Quant Time: Jan 06 12:32:36 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	1081769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1726579	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1627437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	706864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	710755	45.697	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.400%		
35) Dibromofluoromethane	8.018	113	527340	50.479	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	100.960%		
50) Toluene-d8	10.438	98	2129328	49.896	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.800%		
62) 4-Bromofluorobenzene	12.728	95	814768	52.860	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.720%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	540747	44.078	ug/l	98
3) Chloromethane	2.303	50	735820	44.093	ug/l	99
4) Vinyl Chloride	2.451	62	683898	45.012	ug/l	98
5) Bromomethane	2.848	94	359858	45.888	ug/l	99
6) Chloroethane	3.019	64	403946	44.147	ug/l	99
7) Trichlorofluoromethane	3.379	101	811973	44.400	ug/l	99
8) Diethyl Ether	3.824	74	384427	47.685	ug/l	80
9) 1,1,2-Trichlorotrifluo...	4.210	101	541170	48.382	ug/l	95
10) Methyl Iodide	4.419	142	701954	46.372	ug/l	98
11) Tert butyl alcohol	5.377	59	547682	211.478	ug/l	99
12) 1,1-Dichloroethene	4.181	96	511686	46.444	ug/l	92
13) Acrolein	4.038	56	419695	199.730	ug/l	99
14) Allyl chloride	4.840	41	1201227	48.090	ug/l	85
15) Acrylonitrile	5.551	53	1992400	246.538	ug/l	99
16) Acetone	4.283	43	2541799	251.743	ug/l	98
17) Carbon Disulfide	4.529	76	1338901	44.521	ug/l	99
18) Methyl Acetate	4.851	43	1366464	46.786	ug/l	91
19) Methyl tert-butyl Ether	5.615	73	1953918	47.756	ug/l	95
20) Methylene Chloride	5.092	84	635692	45.505	ug/l #	85
21) trans-1,2-Dichloroethene	5.597	96	550360	47.180	ug/l	86
22) Diisopropyl ether	6.495	45	2425698	49.858	ug/l #	91
23) Vinyl Acetate	6.431	43	9259291	245.292	ug/l #	94
24) 1,1-Dichloroethane	6.385	63	1188902	47.128	ug/l	98
25) 2-Butanone	7.332	43	3211319	252.599	ug/l	91
26) 2,2-Dichloropropane	7.324	77	889973	44.719	ug/l	98
27) cis-1,2-Dichloroethene	7.324	96	668202	48.006	ug/l	87
28) Bromochloromethane	7.656	49	632590	51.274	ug/l #	77
29) Tetrahydrofuran	7.681	42	1839968	242.577	ug/l	87
30) Chloroform	7.815	83	1126159	46.273	ug/l	100
31) Cyclohexane	8.094	56	1152071	46.938	ug/l	87
32) 1,1,1-Trichloroethane	8.010	97	923554	45.007	ug/l	97
36) 1,1-Dichloropropene	8.220	75	858334	49.668	ug/l	96
37) Ethyl Acetate	7.410	43	1115644	49.804	ug/l	96
38) Carbon Tetrachloride	8.204	117	762144	46.185	ug/l	99
39) Methylcyclohexane	9.456	83	1074659	51.365	ug/l	88
40) Benzene	8.458	78	2622793	49.504	ug/l	99

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41) Methacrylonitrile	7.635	41	578203	51.606	ug/l #	87
42) 1,2-Dichloroethane	8.528	62	929460	46.673	ug/l	99
43) Isopropyl Acetate	8.558	43	1748721	49.515	ug/l #	95
44) Trichloroethene	9.212	130	614373	48.803	ug/l	94
45) 1,2-Dichloropropane	9.488	63	727064	50.968	ug/l	100
46) Dibromomethane	9.574	93	433865	48.912	ug/l	95
47) Bromodichloromethane	9.759	83	875777	49.723	ug/l	100
48) Methyl methacrylate	9.558	41	871064	51.708	ug/l #	78
49) 1,4-Dioxane	9.566	88	244526	991.612	ug/l #	85
51) 4-Methyl-2-Pentanone	10.328	43	5728682	258.143	ug/l	97
52) Toluene	10.502	92	1614646	50.349	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	971043	50.927	ug/l	99
54) cis-1,3-Dichloropropene	10.186	75	1072087	51.977	ug/l	97
55) 1,1,2-Trichloroethane	10.896	97	639592	50.407	ug/l	97
56) Ethyl methacrylate	10.757	69	1088181	51.903	ug/l	88
57) 1,3-Dichloropropane	11.041	76	1141806	50.877	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.038	63	1023262	195.439	ug/l	90
59) 2-Hexanone	11.081	43	4341812	268.288	ug/l	96
60) Dibromochloromethane	11.234	129	628602	50.776	ug/l	99
61) 1,2-Dibromoethane	11.344	107	639357	49.626	ug/l	100
64) Tetrachloroethene	10.974	164	550356	46.700	ug/l	97
65) Chlorobenzene	11.768	112	1705143	49.380	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.838	131	591051	47.946	ug/l	99
67) Ethyl Benzene	11.843	91	3215625	50.825	ug/l	97
68) m/p-Xylenes	11.950	106	2380876	103.382	ug/l	93
69) o-Xylene	12.277	106	1182258	51.611	ug/l	93
70) Styrene	12.291	104	1954400	53.907	ug/l	97
71) Bromoform	12.454	173	469002	51.264	ug/l #	99
73) Isopropylbenzene	12.575	105	3113814	47.436	ug/l	99
74) N-amyl acetate	12.385	43	1307572	47.375	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.825	83	1007295	46.474	ug/l	99
76) 1,2,3-Trichloropropane	12.878	75	862777m	41.708	ug/l	
77) Bromobenzene	12.859	156	704555	46.751	ug/l	77
78) n-propylbenzene	12.916	91	3654424	50.246	ug/l	97
79) 2-Chlorotoluene	13.004	91	2201662	47.179	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2571045	48.876	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.621	75	283802	49.053	ug/l	97
82) 4-Chlorotoluene	13.101	91	2147178	49.120	ug/l	92
83) tert-Butylbenzene	13.321	119	2254719	48.678	ug/l	95
84) 1,2,4-Trimethylbenzene	13.366	105	2511226	49.577	ug/l	98
85) sec-Butylbenzene	13.498	105	3166246	50.349	ug/l	98
86) p-Isopropyltoluene	13.613	119	2541312	51.445	ug/l	97
87) 1,3-Dichlorobenzene	13.613	146	1229703	48.743	ug/l	97
88) 1,4-Dichlorobenzene	13.691	146	1193820	47.972	ug/l	98
89) n-Butylbenzene	13.940	91	2109074	51.187	ug/l	97
90) Hexachloroethane	14.206	117	418222	48.734	ug/l	92
91) 1,2-Dichlorobenzene	13.986	146	1179490	47.690	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.600	75	166588	43.808	ug/l	82
93) 1,2,4-Trichlorobenzene	15.262	180	567304	48.681	ug/l	98
94) Hexachlorobutadiene	15.367	225	342459	50.564	ug/l	99
95) Naphthalene	15.504	128	1388865	43.371	ug/l	100
96) 1,2,3-Trichlorobenzene	15.697	180	532653	47.822	ug/l	98

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

