

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111921\
 Data File : VN069582.D
 Acq On : 19 Nov 2021 11:22
 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 11/22/2021
 Supervised By : Mahesh Dadoda 11/26/2021

Quant Time: Nov 19 11:39:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1133042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1838047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1728264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	760857	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	841719	51.235	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 102.480%	
35) Dibromofluoromethane	8.021	113	603674	54.761	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.520%	
50) Toluene-d8	10.441	98	2278645	52.556	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.120%	
62) 4-Bromofluorobenzene	12.731	95	886848	55.680	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 111.360%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	586461	48.448	ug/l	99
3) Chloromethane	2.303	50	621090	44.243	ug/l	98
4) Vinyl Chloride	2.448	62	631863	44.952	ug/l	99
5) Bromomethane	2.837	94	460859	50.483	ug/l	99
6) Chloroethane	3.011	64	397584	41.905	ug/l	97
7) Trichlorofluoromethane	3.371	101	927803	42.708	ug/l	99
8) Diethyl Ether	3.821	74	354118	50.382	ug/l	86
9) 1,1,2-Trichlorotrifluo...	4.205	101	539992	52.768	ug/l	96
10) Methyl Iodide	4.417	142	666788	53.124	ug/l	98
11) Tert butyl alcohol	5.385	59	708963	239.486	ug/l	98
12) 1,1-Dichloroethene	4.178	96	463185	50.438	ug/l	91
13) Acrolein	4.039	56	118436	283.405	ug/l	98
14) Allyl chloride	4.838	41	1058304	52.124	ug/l	94
15) Acrylonitrile	5.554	53	2014988	265.796	ug/l	99
16) Acetone	4.285	43	2313749	261.031	ug/l	97
17) Carbon Disulfide	4.524	76	890706	41.032	ug/l	99
18) Methyl Acetate	4.854	43	1453411	50.442	ug/l	93
19) Methyl tert-butyl Ether	5.618	73	2082118	53.574	ug/l	96
20) Methylene Chloride	5.093	84	612835	48.757	ug/l	87
21) trans-1,2-Dichloroethene	5.597	96	511282	49.847	ug/l	87
22) Diisopropyl ether	6.495	45	2355807	53.865	ug/l	96
23) Vinyl Acetate	6.434	43	9235201	273.014	ug/l	95
24) 1,1-Dichloroethane	6.385	63	1159865	52.067	ug/l	98
25) 2-Butanone	7.335	43	3129493	260.739	ug/l	93
26) 2,2-Dichloropropane	7.324	77	928503	53.273	ug/l	97
27) cis-1,2-Dichloroethene	7.324	96	665084	52.307	ug/l	87
28) Bromochloromethane	7.657	49	578881	50.744	ug/l #	80
29) Tetrahydrofuran	7.686	42	1894032	257.146	ug/l	90
30) Chloroform	7.818	83	1203255	52.687	ug/l	100
31) Cyclohexane	8.094	56	1016334	45.282	ug/l	91
32) 1,1,1-Trichloroethane	8.016	97	1008495	52.904	ug/l	96
36) 1,1-Dichloropropene	8.220	75	825194	53.355	ug/l	96
37) Ethyl Acetate	7.413	43	1195578	57.186	ug/l	96
38) Carbon Tetrachloride	8.206	117	821931	55.046	ug/l	100
39) Methylcyclohexane	9.459	83	992226	51.573	ug/l	91
40) Benzene	8.459	78	2514297	52.668	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.638	41	626911	58.033	ug/l #	87
42) 1,2-Dichloroethane	8.528	62	1031095	55.161	ug/l	97
43) Isopropyl Acetate	8.560	43	1864575	55.525	ug/l #	94
44) Trichloroethene	9.215	130	624733	54.681	ug/l	93
45) 1,2-Dichloropropane	9.491	63	709511	55.629	ug/l	100
46) Dibromomethane	9.577	93	465856	54.531	ug/l	92
47) Bromodichloromethane	9.762	83	910967	57.144	ug/l	97
48) Methyl methacrylate	9.561	41	862668	54.603	ug/l	90
49) 1,4-Dioxane	9.569	88	298424	954.958	ug/l #	88
51) 4-Methyl-2-Pentanone	10.331	43	6156513	284.032	ug/l	95
52) Toluene	10.505	92	1615072	54.306	ug/l	98
53) t-1,3-Dichloropropene	10.717	75	978972	49.949	ug/l	99
54) cis-1,3-Dichloropropene	10.188	75	1060664	51.305	ug/l #	88
55) 1,1,2-Trichloroethane	10.899	97	682650	56.942	ug/l	98
56) Ethyl methacrylate	10.760	69	1141365	50.498	ug/l	87
57) 1,3-Dichloropropane	11.044	76	1162310	55.174	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1213568	212.647	ug/l	93
59) 2-Hexanone	11.084	43	4547503	248.526	ug/l	93
60) Dibromochloromethane	11.237	129	672364	51.045	ug/l	100
61) 1,2-Dibromoethane	11.344	107	684572	51.134	ug/l	99
64) Tetrachloroethene	10.977	164	556927	53.369	ug/l	96
65) Chlorobenzene	11.768	112	1774227	55.153	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.841	131	649260	58.188	ug/l	99
67) Ethyl Benzene	11.843	91	3282449	55.325	ug/l	96
68) m/p-Xylenes	11.953	106	2388633	109.466	ug/l	93
69) o-Xylene	12.280	106	1206602	55.466	ug/l	92
70) Styrene	12.294	104	2004575	51.283	ug/l	96
71) Bromoform	12.457	173	484148	49.974	ug/l #	99
73) Isopropylbenzene	12.578	105	3259089	53.798	ug/l	98
74) N-amyl acetate	12.388	43	1451619	56.542	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	1080002	52.859	ug/l	99
76) 1,2,3-Trichloropropane	12.881	75	1055883m	60.134	ug/l	
77) Bromobenzene	12.860	156	746035	53.847	ug/l	79
78) n-propylbenzene	12.921	91	3747696	54.979	ug/l	96
79) 2-Chlorotoluene	13.007	91	2273483	53.866	ug/l	93
80) 1,3,5-Trimethylbenzene	13.058	105	2669346	54.505	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	283129	48.229	ug/l	93
82) 4-Chlorotoluene	13.104	91	2211912	54.976	ug/l	93
83) tert-Butylbenzene	13.324	119	2357000	54.920	ug/l	93
84) 1,2,4-Trimethylbenzene	13.367	105	2634336	55.719	ug/l	98
85) sec-Butylbenzene	13.501	105	3339286	55.700	ug/l	98
86) p-Isopropyltoluene	13.616	119	2683817	56.392	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	1322535	55.059	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1269937	53.892	ug/l	97
89) n-Butylbenzene	13.943	91	2250644	56.709	ug/l	98
90) Hexachloroethane	14.211	117	451424	51.535	ug/l	86
91) 1,2-Dichlorobenzene	13.989	146	1264607	55.327	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	192555	50.665	ug/l	82
93) 1,2,4-Trichlorobenzene	15.263	180	609514	50.838	ug/l	99
94) Hexachlorobutadiene	15.370	225	344775	58.053	ug/l	100
95) Naphthalene	15.507	128	1697825	50.243	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	602755	52.465	ug/l	98

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

