

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111621\
 Data File : VN069504.D
 Acq On : 16 Nov 2021 11:57
 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 11/17/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 16 16:17:07 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	8.083	168	1050490	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1756681	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1702307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	754586	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	775188	50.894	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.780%	
35) Dibromofluoromethane	8.021	113	551265	52.323	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.640%	
50) Toluene-d8	10.440	98	2078186	50.153	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.300%	
62) 4-Bromofluorobenzene	12.731	95	801833	52.674	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 105.340%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.073	85	512267	45.645	ug/l	99
3) Chloromethane	2.303	50	567174	43.577	ug/l	99
4) Vinyl Chloride	2.448	62	553118	42.442	ug/l	96
5) Bromomethane	2.842	94	418654	49.464	ug/l	99
6) Chloroethane	3.014	64	357922	40.689	ug/l	98
7) Trichlorofluoromethane	3.373	101	816144	40.520	ug/l	98
8) Diethyl Ether	3.821	74	328128	50.353	ug/l	87
9) 1,1,2-Trichlorotrifluo...	4.208	101	448742	47.297	ug/l	95
10) Methyl Iodide	4.417	142	609720	52.395	ug/l	97
11) Tert butyl alcohol	5.380	59	613594	223.559	ug/l	99
12) 1,1-Dichloroethene	4.178	96	392840	46.139	ug/l	90
13) Acrolein	4.039	56	103275	266.142	ug/l	99
14) Allyl chloride	4.838	41	922328	48.997	ug/l	95
15) Acrylonitrile	5.551	53	1793860	255.222	ug/l	99
16) Acetone	4.285	43	1899792	231.173	ug/l	98
17) Carbon Disulfide	4.527	76	807887	40.142	ug/l	99
18) Methyl Acetate	4.854	43	1294323	48.451	ug/l	93
19) Methyl tert-butyl Ether	5.616	73	1894379	52.574	ug/l	97
20) Methylene Chloride	5.095	84	558915	47.961	ug/l	88
21) trans-1,2-Dichloroethene	5.597	96	449971	47.317	ug/l	91
22) Diisopropyl ether	6.495	45	2127301	52.462	ug/l	96
23) Vinyl Acetate	6.434	43	8302207	264.720	ug/l	95
24) 1,1-Dichloroethane	6.385	63	1019878	49.380	ug/l	98
25) 2-Butanone	7.335	43	2715723	244.045	ug/l	93
26) 2,2-Dichloropropane	7.324	77	765120	47.348	ug/l	97
27) cis-1,2-Dichloroethene	7.324	96	603016	51.152	ug/l	89
28) Bromochloromethane	7.657	49	575997	54.459	ug/l #	81
29) Tetrahydrofuran	7.683	42	1685110	246.760	ug/l	90
30) Chloroform	7.818	83	1078435	50.933	ug/l	100
31) Cyclohexane	8.094	56	852697	40.977	ug/l	91
32) 1,1,1-Trichloroethane	8.013	97	851718	48.191	ug/l	95
36) 1,1-Dichloropropene	8.220	75	702660	47.537	ug/l	97
37) Ethyl Acetate	7.413	43	1034506	51.774	ug/l	96
38) Carbon Tetrachloride	8.206	117	684451	47.962	ug/l	99
39) Methylcyclohexane	9.459	83	835527	45.439	ug/l	92
40) Benzene	8.459	78	2259474	49.523	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.635	41	531412	51.471	ug/l	90
42) 1,2-Dichloroethane	8.531	62	936359	52.413	ug/l	98
43) Isopropyl Acetate	8.560	43	1669594	52.022	ug/l	95
44) Trichloroethene	9.215	130	544458	49.862	ug/l	92
45) 1,2-Dichloropropane	9.488	63	642586	52.715	ug/l	99
46) Dibromomethane	9.577	93	424050	51.937	ug/l	93
47) Bromodichloromethane	9.762	83	823951	54.080	ug/l	99
48) Methyl methacrylate	9.561	41	758120	50.208	ug/l	93
49) 1,4-Dioxane	9.569	88	261446	878.634	ug/l #	88
51) 4-Methyl-2-Pentanone	10.331	43	5479640	264.514	ug/l	96
52) Toluene	10.505	92	1434011	50.451	ug/l	99
53) t-1,3-Dichloropropene	10.719	75	878352	47.052	ug/l	97
54) cis-1,3-Dichloropropene	10.188	75	946757	48.031	ug/l #	89
55) 1,1,2-Trichloroethane	10.896	97	623477	54.415	ug/l	98
56) Ethyl methacrylate	10.760	69	1035168	48.026	ug/l	88
57) 1,3-Dichloropropane	11.044	76	1066721	52.982	ug/l	100
58) 2-Chloroethyl Vinyl ether	10.041	63	1139770	209.361	ug/l	93
59) 2-Hexanone	11.084	43	3964479	227.396	ug/l	94
60) Dibromochloromethane	11.237	129	604963	48.197	ug/l	100
61) 1,2-Dibromoethane	11.344	107	630686	49.330	ug/l	99
64) Tetrachloroethene	10.977	164	488383	47.514	ug/l	96
65) Chlorobenzene	11.768	112	1590953	50.210	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.840	131	586236	53.341	ug/l	99
67) Ethyl Benzene	11.843	91	2877512	49.240	ug/l	96
68) m/p-Xylenes	11.953	106	2126973	98.961	ug/l	94
69) o-Xylene	12.280	106	1082249	50.508	ug/l	93
70) Styrene	12.294	104	1804331	46.995	ug/l	96
71) Bromoform	12.457	173	428963	45.297	ug/l #	100
73) Isopropylbenzene	12.578	105	2823287	46.991	ug/l	98
74) N-amyl acetate	12.388	43	1298600	51.002	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.827	83	992126	48.961	ug/l	98
76) 1,2,3-Trichloropropane	12.881	75	947296m	54.398	ug/l	
77) Bromobenzene	12.860	156	677516	49.308	ug/l	80
78) n-propylbenzene	12.921	91	3248475	48.051	ug/l	96
79) 2-Chlorotoluene	13.007	91	2004665	47.891	ug/l	94
80) 1,3,5-Trimethylbenzene	13.058	105	2347642	48.335	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.626	75	248389	43.331	ug/l	93
82) 4-Chlorotoluene	13.104	91	1975333	49.504	ug/l	94
83) tert-Butylbenzene	13.324	119	2044993	48.046	ug/l	94
84) 1,2,4-Trimethylbenzene	13.367	105	2347027	50.054	ug/l	99
85) sec-Butylbenzene	13.501	105	2863284	48.157	ug/l	98
86) p-Isopropyltoluene	13.616	119	2320825	49.170	ug/l	97
87) 1,3-Dichlorobenzene	13.616	146	1199625	50.357	ug/l	97
88) 1,4-Dichlorobenzene	13.694	146	1149628	49.192	ug/l	97
89) n-Butylbenzene	13.943	91	1932656	49.102	ug/l	98
90) Hexachloroethane	14.211	117	383142	44.415	ug/l	86
91) 1,2-Dichlorobenzene	13.989	146	1174345	51.805	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.603	75	173033	46.075	ug/l	80
93) 1,2,4-Trichlorobenzene	15.263	180	554917	46.924	ug/l	97
94) Hexachlorobutadiene	15.370	225	302896	51.425	ug/l	99
95) Naphthalene	15.507	128	1484801	44.831	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	533726	47.182	ug/l	98

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

