

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059315.D
 Acq On : 19 Nov 2019 19:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:36:53 PM

Quant Time: Nov 20 03:59:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	381341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602695	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	538532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	258444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	210141	44.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.66%	
35) Dibromofluoromethane	7.57	113	172987	48.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	10.08	98	643096	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
62) 4-Bromofluorobenzene	12.40	95	244594	47.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	283680	73.833	ug/l	99
3) Chloromethane	2.04	50	329942	63.173	ug/l	99
4) Vinyl Chloride	2.17	62	349805	69.082	ug/l	99
5) Bromomethane	2.54	94	183221	62.878	ug/l	100
6) Chloroethane	2.68	64	177253	59.176	ug/l	98
7) Trichlorofluoromethane	3.00	101	348822	57.593	ug/l	100
8) Diethyl Ether	3.39	74	147697	60.016	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	216752	59.355	ug/l	99
10) Methyl Iodide	3.93	142	291442	64.476	ug/l	98
11) Tert butyl alcohol	4.75	59	243606	272.683	ug/l	99
12) 1,1-Dichloroethene	3.71	96	218517	61.427	ug/l	98
13) Acrolein	3.58	56	77107	167.405	ug/l	99
14) Allyl chloride	4.30	41	410903	56.233	ug/l	97
15) Acrylonitrile	4.95	53	662686	298.066	ug/l	99
16) Acetone	3.79	43	590883	242.396	ug/l	98
17) Carbon Disulfide	4.03	76	691544	62.624	ug/l	99
18) Methyl Acetate	4.29	43	371938	64.282	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	737965	60.255	ug/l	100
20) Methylene Chloride	4.52	84	246971	58.154	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	231731	60.688	ug/l	96
22) Diisopropyl ether	5.92	45	801130	58.044	ug/l	99
23) Vinyl Acetate	5.87	43	3198375	298.999	ug/l	99
24) 1,1-Dichloroethane	5.82	63	443208	57.493	ug/l	99
25) 2-Butanone	6.81	43	889321	276.813	ug/l	99
26) 2,2-Dichloropropane	6.80	77	371306	55.084	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	264262	59.653	ug/l	98
28) Bromochloromethane	7.17	49	110323	47.568	ug/l	97
29) Tetrahydrofuran	7.18	42	590114	289.079	ug/l	97
30) Chloroform	7.35	83	420066	56.804	ug/l	100
31) Cyclohexane	7.63	56	421618	57.773	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	365950	58.860	ug/l	99
36) 1,1-Dichloropropene	7.77	75	333217	59.150	ug/l	99
37) Ethyl Acetate	6.90	43	358203	57.157	ug/l	98
38) Carbon Tetrachloride	7.75	117	321356	57.313	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	408489	62.478	ug/l	98
40) Benzene	8.02	78	1004359	59.204	ug/l	100
41) Methacrylonitrile	7.15	41	150542m	55.241	ug/l	
42) 1,2-Dichloroethane	8.10	62	330227	56.757	ug/l	99
43) Isopropyl Acetate	8.15	43	569795	57.029	ug/l	98
44) Trichloroethene	8.82	130	248739	59.648	ug/l	98
45) 1,2-Dichloropropane	9.10	63	266354	57.805	ug/l	100
46) Dibromomethane	9.19	93	163941	57.096	ug/l	99
47) Bromodichloromethane	9.39	83	330806	57.696	ug/l	99
48) Methyl methacrylate	9.18	41	259617	58.092	ug/l	97
49) 1,4-Dioxane	9.18	88	83502	1051.377	ug/l	95
51) 4-Methyl-2-Pentanone	9.97	43	1748513	309.291	ug/l	99
52) Toluene	10.15	92	610108	60.003	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	384446	58.037	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	421267	59.121	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	235083	57.128	ug/l	99
56) Ethyl methacrylate	10.42	69	383037	55.591	ug/l	98
57) 1,3-Dichloropropane	10.70	76	410457	57.954	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	642074	280.367	ug/l	99
59) 2-Hexanone	10.75	43	1287440	296.702	ug/l	98
60) Dibromochloromethane	10.90	129	253798	58.334	ug/l	100
61) 1,2-Dibromoethane	11.00	107	249139	59.807	ug/l	99
64) Tetrachloroethene	10.63	164	226913	61.965	ug/l	99
65) Chlorobenzene	11.43	112	629971	60.008	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	231713	58.839	ug/l	99
67) Ethyl Benzene	11.51	91	1161451	62.357	ug/l	98
68) m/p-Xylenes	11.62	106	870796	124.808	ug/l	99
69) o-Xylene	11.95	106	417111	61.862	ug/l	98
70) Styrene	11.96	104	674032	63.562	ug/l	99
71) Bromoform	12.13	173	184379	60.192	ug/l #	100
73) Isopropylbenzene	12.25	105	1113302	59.220	ug/l	100
74) N-amyl acetate	12.07	43	469095	58.887	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	359368	56.133	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	349900m	59.467	ug/l	
77) Bromobenzene	12.53	156	263787	55.849	ug/l	99
78) n-propylbenzene	12.59	91	1302316	60.502	ug/l	100
79) 2-Chlorotoluene	12.67	91	768996	57.589	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	940778	59.058	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	128997	57.907	ug/l	97
82) 4-Chlorotoluene	12.77	91	785113	58.621	ug/l	100
83) tert-Butylbenzene	12.99	119	801991	58.299	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	939991	60.991	ug/l	99
85) sec-Butylbenzene	13.17	105	1088382	60.834	ug/l	100
86) p-Isopropyltoluene	13.29	119	981896	62.156	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	468668	57.946	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	464689	57.424	ug/l	99
89) n-Butylbenzene	13.62	91	863733	62.470	ug/l	100
90) Hexachloroethane	13.88	117	174720	55.080	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	457069	57.448	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	69884	54.711	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	259575	53.544	ug/l	99
94) Hexachlorobutadiene	15.01	225	160240	58.411	ug/l	98
95) Naphthalene	15.13	128	701587	52.241	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	252868	56.712	ug/l	99

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

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