

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059203.D
 Acq On : 12 Nov 2019 19:53
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 12:07:35 PM

Quant Time: Nov 13 07:40:26 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	432349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	673697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	621597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	298572	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	252220	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
35) Dibromofluoromethane	7.57	113	202892	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
50) Toluene-d8	10.08	98	776389	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
62) 4-Bromofluorobenzene	12.40	95	289230	50.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.26%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	194980	44.760	ug/l	99
3) Chloromethane	2.04	50	263750	44.542	ug/l	99
4) Vinyl Chloride	2.17	62	265816	46.302	ug/l	98
5) Bromomethane	2.53	94	158303	47.917	ug/l	100
6) Chloroethane	2.68	64	161395	47.525	ug/l	98
7) Trichlorofluoromethane	3.00	101	331345	48.253	ug/l	99
8) Diethyl Ether	3.39	74	138691	49.708	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	200055	48.320	ug/l	99
10) Methyl Iodide	3.93	142	257459	50.238	ug/l	100
11) Tert butyl alcohol	4.75	59	243821	240.724	ug/l	100
12) 1,1-Dichloroethene	3.71	96	190469	47.226	ug/l	97
13) Acrolein	3.58	56	161697	309.639	ug/l	99
14) Allyl chloride	4.29	41	389927m	47.066	ug/l	
15) Acrylonitrile	4.95	53	636190	252.389	ug/l	98
16) Acetone	3.79	43	556498	201.357	ug/l	98
17) Carbon Disulfide	4.03	76	538254	42.992	ug/l	98
18) Methyl Acetate	4.29	43	343180	52.314	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	711588	51.246	ug/l	100
20) Methylene Chloride	4.52	84	233973	48.594	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	208277	48.110	ug/l	96
22) Diisopropyl ether	5.92	45	794874	50.796	ug/l	98
23) Vinyl Acetate	5.86	43	3267392	269.414	ug/l	100
24) 1,1-Dichloroethane	5.82	63	432988	49.541	ug/l	98
25) 2-Butanone	6.81	43	868459	238.427	ug/l	100
26) 2,2-Dichloropropane	6.80	77	353697	46.281	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	250893	49.953	ug/l	99
28) Bromochloromethane	7.17	49	128319	48.800	ug/l	99
29) Tetrahydrofuran	7.18	42	582474	251.673	ug/l	99
30) Chloroform	7.35	83	416078	49.627	ug/l	100
31) Cyclohexane	7.63	56	375052	45.329	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	352809	50.052	ug/l	100
36) 1,1-Dichloropropene	7.77	75	310499	49.308	ug/l	99
37) Ethyl Acetate	6.90	43	353120	50.407	ug/l	99
38) Carbon Tetrachloride	7.75	117	308271	49.185	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	361107	49.410	ug/l	99
40) Benzene	8.02	78	946930	49.936	ug/l	99
41) Methacrylonitrile	7.15	41	158515m	52.037	ug/l	
42) 1,2-Dichloroethane	8.10	62	328834	50.561	ug/l	99
43) Isopropyl Acetate	8.14	43	557560	49.924	ug/l	99
44) Trichloroethene	8.82	130	232025	49.776	ug/l	98
45) 1,2-Dichloropropane	9.10	63	264290	51.312	ug/l	100
46) Dibromomethane	9.19	93	160031	49.860	ug/l	98
47) Bromodichloromethane	9.39	83	330317	51.539	ug/l	98
48) Methyl methacrylate	9.18	41	260748	52.196	ug/l	98
49) 1,4-Dioxane	9.18	88	89818	1011.714	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1774207	280.760	ug/l	99
52) Toluene	10.14	92	578357	50.886	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	378570	51.127	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	412059	51.734	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	234050	50.883	ug/l	99
56) Ethyl methacrylate	10.42	69	374289	48.832	ug/l	99
57) 1,3-Dichloropropane	10.70	76	407971	51.532	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	743092	290.280	ug/l	100
59) 2-Hexanone	10.74	43	1312504	270.600	ug/l	100
60) Dibromochloromethane	10.90	129	258085	53.067	ug/l	99
61) 1,2-Dibromoethane	11.00	107	239757	51.489	ug/l	100
64) Tetrachloroethene	10.62	164	202849	47.992	ug/l	97
65) Chlorobenzene	11.43	112	617262	50.940	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	233360	51.339	ug/l	99
67) Ethyl Benzene	11.51	91	1116633	51.939	ug/l	98
68) m/p-Xylenes	11.62	106	830232	103.093	ug/l	99
69) o-Xylene	11.94	106	401795	51.627	ug/l	99
70) Styrene	11.96	104	666760	54.474	ug/l	99
71) Bromoform	12.12	173	187315	52.979	ug/l	99
73) Isopropylbenzene	12.25	105	1082220	49.830	ug/l	100
74) N-amyl acetate	12.07	43	475397	51.658	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	368083	49.767	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	332619m	48.933	ug/l	
77) Bromobenzene	12.52	156	264798	48.529	ug/l	99
78) n-propylbenzene	12.59	91	1274824	51.265	ug/l	100
79) 2-Chlorotoluene	12.67	91	762194	49.408	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	923844	50.201	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	128097	49.774	ug/l	99
82) 4-Chlorotoluene	12.77	91	775674	50.133	ug/l	99
83) tert-Butylbenzene	12.99	119	784314	49.351	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	927934	52.117	ug/l	99
85) sec-Butylbenzene	13.17	105	1058360	51.206	ug/l	99
86) p-Isopropyltoluene	13.29	119	961830	52.703	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	474312	50.762	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	472360	50.526	ug/l	98
89) n-Butylbenzene	13.62	91	833721	52.195	ug/l	100
90) Hexachloroethane	13.88	117	177323	48.388	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	465570	50.652	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	71845	48.690	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	269983	48.509	ug/l	99
94) Hexachlorobutadiene	15.01	225	155579	49.089	ug/l	100
95) Naphthalene	15.13	128	757120	49.000	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	270645	52.541	ug/l	100

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

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