

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059321.D
 Acq On : 20 Nov 2019 12:30
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:53 AM

Quant Time: Nov 20 15:17:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:04:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	380870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602738	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537747	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	248857	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	236999	50.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.24%	
35) Dibromofluoromethane	7.57	113	191012	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
50) Toluene-d8	10.08	98	759903	53.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.40	95	264677	51.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.56%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	257480	67.097	ug/l	99
3) Chloromethane	2.04	50	300850	57.674	ug/l	100
4) Vinyl Chloride	2.17	62	324279	64.120	ug/l	100
5) Bromomethane	2.54	94	171421	58.901	ug/l	100
6) Chloroethane	2.68	64	163263	54.572	ug/l	98
7) Trichlorofluoromethane	3.00	101	331166	54.746	ug/l	98
8) Diethyl Ether	3.39	74	136931	55.710	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	205719	56.403	ug/l	99
10) Methyl Iodide	3.93	142	269356	59.664	ug/l	99
11) Tert butyl alcohol	4.75	59	235850	264.328	ug/l	100
12) 1,1-Dichloroethene	3.72	96	207506	58.404	ug/l	99
13) Acrolein	3.58	56	212243	461.365	ug/l	99
14) Allyl chloride	4.30	41	390541	53.512	ug/l	98
15) Acrylonitrile	4.96	53	624219	281.112	ug/l	99
16) Acetone	3.79	43	517573	212.585	ug/l	98
17) Carbon Disulfide	4.03	76	658710	59.725	ug/l	99
18) Methyl Acetate	4.30	43	353963	61.251	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	691751	56.551	ug/l	100
20) Methylene Chloride	4.52	84	228272	53.818	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	223688	58.654	ug/l	95
22) Diisopropyl ether	5.92	45	752043	54.555	ug/l	99
23) Vinyl Acetate	5.87	43	3038674	284.420	ug/l	99
24) 1,1-Dichloroethane	5.82	63	423018	54.942	ug/l	99
25) 2-Butanone	6.81	43	833254	259.682	ug/l	100
26) 2,2-Dichloropropane	6.80	77	354872	52.711	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	250482	56.612	ug/l	98
28) Bromochloromethane	7.17	49	164125	70.853	ug/l	98
29) Tetrahydrofuran	7.19	42	574166	281.615	ug/l	97
30) Chloroform	7.35	83	403736	54.664	ug/l	99
31) Cyclohexane	7.63	56	399253	54.776	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	345098	55.575	ug/l	99
36) 1,1-Dichloropropene	7.78	75	320492	56.887	ug/l	100
37) Ethyl Acetate	6.90	43	341006	54.409	ug/l	98
38) Carbon Tetrachloride	7.75	117	308196	54.962	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	391124	59.818	ug/l	98
40) Benzene	8.02	78	947415	55.844	ug/l	99
41) Methacrylonitrile	7.16	41	164478m	60.351	ug/l	
42) 1,2-Dichloroethane	8.11	62	310947	53.439	ug/l	99
43) Isopropyl Acetate	8.15	43	535346	53.578	ug/l	98
44) Trichloroethene	8.82	130	236933	56.813	ug/l	96
45) 1,2-Dichloropropane	9.11	63	250395	54.338	ug/l	98
46) Dibromomethane	9.20	93	153750	53.543	ug/l	98
47) Bromodichloromethane	9.39	83	312489	54.498	ug/l	97
48) Methyl methacrylate	9.19	41	244704	54.751	ug/l	98
49) 1,4-Dioxane	9.19	88	70190	883.702	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1665611	294.606	ug/l	99
52) Toluene	10.15	92	571858	56.238	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	359106	54.207	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	395029	55.435	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	220425	53.562	ug/l	99
56) Ethyl methacrylate	10.42	69	352521	57.709	ug/l	97
57) 1,3-Dichloropropane	10.70	76	387014	54.640	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	592487	258.696	ug/l	99
59) 2-Hexanone	10.75	43	1218520	280.799	ug/l	99
60) Dibromochloromethane	10.90	129	240522	55.279	ug/l	100
61) 1,2-Dibromoethane	11.00	107	231872	55.658	ug/l	100
64) Tetrachloroethene	10.63	164	207797	56.828	ug/l	98
65) Chlorobenzene	11.43	112	584293	55.738	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	218960	55.682	ug/l	99
67) Ethyl Benzene	11.51	91	1074693	57.783	ug/l	99
68) m/p-Xylenes	11.62	106	805408	115.605	ug/l	99
69) o-Xylene	11.95	106	381001	56.589	ug/l	99
70) Styrene	11.96	104	620249	58.575	ug/l	99
71) Bromoform	12.13	173	169335	55.361	ug/l #	99
73) Isopropylbenzene	12.25	105	1031026	56.957	ug/l	100
74) N-amyl acetate	12.07	43	422054	55.023	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	333311	54.069	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	281928m	49.761	ug/l	
77) Bromobenzene	12.53	156	244985	53.867	ug/l	98
78) n-propylbenzene	12.59	91	1199127	57.854	ug/l	99
79) 2-Chlorotoluene	12.68	91	701006	54.520	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	863208	56.276	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	119489	55.705	ug/l	98
82) 4-Chlorotoluene	12.78	91	714540	55.407	ug/l	99
83) tert-Butylbenzene	12.99	119	733579	55.380	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	856052	57.685	ug/l	99
85) sec-Butylbenzene	13.17	105	993911	57.694	ug/l	100
86) p-Isopropyltoluene	13.29	119	895904	58.898	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	426846	54.808	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	422635	54.239	ug/l	99
89) n-Butylbenzene	13.62	91	770669	57.887	ug/l	100
90) Hexachloroethane	13.88	117	164335	53.802	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	417952	54.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67514	48.525	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	245125	59.728	ug/l	98
94) Hexachlorobutadiene	15.01	225	142806	54.061	ug/l	98
95) Naphthalene	15.13	128	653483	57.975	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	246304	57.367	ug/l	100

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

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