

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058744.D
 Acq On : 14 Oct 2019 12:45
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:56:46 AM

Quant Time: Oct 15 03:28:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438349	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	697588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	649606	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	326553	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	314852	51.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.62%	
35) Dibromofluoromethane	7.57	113	230664	53.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.06%	
50) Toluene-d8	10.08	98	898005	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
62) 4-Bromofluorobenzene	12.41	95	336430	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	284338	52.082	ug/l	99
3) Chloromethane	2.04	50	315025	48.526	ug/l	98
4) Vinyl Chloride	2.17	62	305181	47.200	ug/l	100
5) Bromomethane	2.54	94	187715	47.724	ug/l	99
6) Chloroethane	2.68	64	193799	48.593	ug/l	98
7) Trichlorofluoromethane	3.00	101	382042	49.371	ug/l	98
8) Diethyl Ether	3.39	74	139297	48.721	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	222990	50.540	ug/l	97
10) Methyl Iodide	3.93	142	293834	48.802	ug/l	99
11) Tert butyl alcohol	4.76	59	236656	238.116	ug/l	100
12) 1,1-Dichloroethene	3.71	96	208886	49.620	ug/l	97
13) Acrolein	3.58	56	168619	210.953	ug/l	97
14) Allyl chloride	4.30	41	419875	49.423	ug/l	99
15) Acrylonitrile	4.95	53	622405	248.329	ug/l	100
16) Acetone	3.79	43	666030	262.154	ug/l	99
17) Carbon Disulfide	4.03	76	662250	49.214	ug/l	100
18) Methyl Acetate	4.30	43	310072	48.114	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	758720	50.473	ug/l	97
20) Methylene Chloride	4.52	84	249953	47.074	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	235900	50.097	ug/l	97
22) Diisopropyl ether	5.92	45	841135	50.922	ug/l	99
23) Vinyl Acetate	5.87	43	3589660	269.323	ug/l	100
24) 1,1-Dichloroethane	5.82	63	474947	50.486	ug/l	99
25) 2-Butanone	6.81	43	912143	248.393	ug/l	100
26) 2,2-Dichloropropane	6.80	77	417634	48.632	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	267788	48.767	ug/l	99
28) Bromochloromethane	7.17	49	168492	51.482	ug/l	96
29) Tetrahydrofuran	7.19	42	580763	244.730	ug/l	100
30) Chloroform	7.35	83	469437	49.666	ug/l	100
31) Cyclohexane	7.63	56	428523	47.607	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	413041	51.241	ug/l	100
36) 1,1-Dichloropropene	7.77	75	356657	50.567	ug/l	100
37) Ethyl Acetate	6.91	43	363928	51.020	ug/l	99
38) Carbon Tetrachloride	7.75	117	358648	52.175	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	415294	50.743	ug/l	97
40) Benzene	8.02	78	1035949	51.142	ug/l	100
41) Methacrylonitrile	7.16	41	194482m	58.245	ug/l	
42) 1,2-Dichloroethane	8.11	62	397421	51.068	ug/l	99
43) Isopropyl Acetate	8.15	43	600075	49.383	ug/l	100
44) Trichloroethene	8.82	130	251405	49.978	ug/l	99
45) 1,2-Dichloropropane	9.11	63	280890	51.799	ug/l	98
46) Dibromomethane	9.20	93	177376	51.592	ug/l	99
47) Bromodichloromethane	9.39	83	370869	52.974	ug/l	99
48) Methyl methacrylate	9.19	41	280299	50.888	ug/l	99
49) 1,4-Dioxane	9.19	88	95411	1119.667	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1850315	271.132	ug/l	99
52) Toluene	10.15	92	643622	51.950	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	426240	53.083	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	448091	52.559	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	251610	49.619	ug/l	99
56) Ethyl methacrylate	10.43	69	394954	53.314	ug/l	100
57) 1,3-Dichloropropane	10.70	76	441206	51.059	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	924292	258.896	ug/l	100
59) 2-Hexanone	10.75	43	1415127	268.325	ug/l	99
60) Dibromochloromethane	10.90	129	277377	53.026	ug/l	100
61) 1,2-Dibromoethane	11.00	107	258904	50.964	ug/l	100
64) Tetrachloroethene	10.63	164	224119	49.299	ug/l	95
65) Chlorobenzene	11.43	112	673575	51.059	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	251485	51.554	ug/l	99
67) Ethyl Benzene	11.51	91	1252583	53.265	ug/l	100
68) m/p-Xylenes	11.62	106	934427	105.885	ug/l	99
69) o-Xylene	11.95	106	436154	51.082	ug/l	99
70) Styrene	11.97	104	744397	53.193	ug/l	99
71) Bromoform	12.13	173	188814	52.806	ug/l #	100
73) Isopropylbenzene	12.25	105	1216015	51.418	ug/l	100
74) N-amyl acetate	12.07	43	546494	51.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	381380	48.952	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	342528m	47.814	ug/l	
77) Bromobenzene	12.53	156	284085	49.385	ug/l	100
78) n-propylbenzene	12.59	91	1460188	52.986	ug/l	100
79) 2-Chlorotoluene	12.68	91	850445	49.720	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1051283	52.068	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	133249	49.824	ug/l	97
82) 4-Chlorotoluene	12.78	91	903983	51.503	ug/l	99
83) tert-Butylbenzene	13.00	119	880052	50.879	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1065203	53.143	ug/l	99
85) sec-Butylbenzene	13.18	105	1211091	53.138	ug/l	99
86) p-Isopropyltoluene	13.29	119	1104427	53.317	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	535685	50.495	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	525976	48.764	ug/l	99
89) n-Butylbenzene	13.62	91	1013878	52.934	ug/l	100
90) Hexachloroethane	13.88	117	193448	52.192	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	519253	50.220	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	83539	45.898	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	312991	49.624	ug/l	99
94) Hexachlorobutadiene	15.02	225	162437	48.905	ug/l	98
95) Naphthalene	15.13	128	865987	47.774	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	294050	47.752	ug/l	99

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

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