

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058050.D
 Acq On : 14 Sep 2019 4:11
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:11:16 PM

Quant Time: Sep 14 06:45:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	319657	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	518775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	494017	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	305768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	341981	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
35) Dibromofluoromethane	7.57	113	248354	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
50) Toluene-d8	10.09	98	976103	52.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.02%	
62) 4-Bromofluorobenzene	12.40	95	357576	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	225712	51.058	ug/l	99
3) Chloromethane	2.04	50	189727	42.109	ug/l	99
4) Vinyl Chloride	2.17	62	200865	42.122	ug/l	98
5) Bromomethane	2.54	94	123637	47.092	ug/l	98
6) Chloroethane	2.68	64	130604	42.981	ug/l	99
7) Trichlorofluoromethane	3.00	101	273159	45.518	ug/l	97
8) Diethyl Ether	3.39	74	126171	50.409	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	194843	51.468	ug/l	99
10) Methyl Iodide	3.93	142	195955	46.515	ug/l	98
11) Tert butyl alcohol	4.76	59	187245	238.952	ug/l	99
12) 1,1-Dichloroethene	3.72	96	163596	48.063	ug/l	95
13) Acrolein	3.59	56	36974	55.616	ug/l	98
14) Allyl chloride	4.30	41	315028	47.293	ug/l	99
15) Acrylonitrile	4.96	53	570752	264.995	ug/l	100
16) Acetone	3.79	43	481893	227.048	ug/l	98
17) Carbon Disulfide	4.03	76	221526	41.842	ug/l	99
18) Methyl Acetate	4.30	43	324919	57.416	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	766663	54.123	ug/l	98
20) Methylene Chloride	4.53	84	218987	54.304	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	178089	48.400	ug/l	96
22) Diisopropyl ether	5.93	45	849618	54.389	ug/l	98
23) Vinyl Acetate	5.87	43	3029375	273.638	ug/l	99
24) 1,1-Dichloroethane	5.83	63	449027	52.595	ug/l	100
25) 2-Butanone	6.82	43	774687	252.185	ug/l	98
26) 2,2-Dichloropropane	6.81	77	259294	38.378	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	256115	51.940	ug/l	97
28) Bromochloromethane	7.18	49	227816	53.413	ug/l	97
29) Tetrahydrofuran	7.19	42	492488	260.174	ug/l	99
30) Chloroform	7.36	83	475013	53.213	ug/l	100
31) Cyclohexane	7.64	56	305002	52.539	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	371189	52.430	ug/l	99
36) 1,1-Dichloropropene	7.78	75	295791	49.164	ug/l	100
37) Ethyl Acetate	6.91	43	316074	50.848	ug/l	99
38) Carbon Tetrachloride	7.76	117	293934	53.511	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	302124	47.769	ug/l	97
40) Benzene	8.03	78	934621	51.598	ug/l	99
41) Methacrylonitrile	7.16	41	143879m	50.990	ug/l	
42) 1,2-Dichloroethane	8.11	62	385950	53.277	ug/l	100
43) Isopropyl Acetate	8.15	43	589467	56.390	ug/l #	89
44) Trichloroethene	8.82	130	230745	51.938	ug/l	98
45) 1,2-Dichloropropane	9.11	63	281344	53.379	ug/l	97
46) Dibromomethane	9.20	93	172085	54.030	ug/l	99
47) Bromodichloromethane	9.40	83	356564	56.063	ug/l	97
48) Methyl methacrylate	9.19	41	277853	52.399	ug/l	99
49) 1,4-Dioxane	9.19	88	85511	953.591	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	1732924	280.136	ug/l	100
52) Toluene	10.15	92	592272	51.915	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	354914	52.991	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	394680	53.375	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	263074	54.438	ug/l	99
56) Ethyl methacrylate	10.43	69	389857	53.572	ug/l	100
57) 1,3-Dichloropropane	10.71	76	447331	53.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	832643	242.929	ug/l	99
59) 2-Hexanone	10.75	43	1232975	265.919	ug/l	100
60) Dibromochloromethane	10.90	129	255820	57.008	ug/l	100
61) 1,2-Dibromoethane	11.00	107	243580	53.315	ug/l	99
64) Tetrachloroethene	10.63	164	194823	53.412	ug/l	97
65) Chlorobenzene	11.43	112	671194	51.915	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	245335	54.686	ug/l	99
67) Ethyl Benzene	11.51	91	1210840	53.439	ug/l	100
68) m/p-Xylenes	11.62	106	895623	107.910	ug/l	100
69) o-Xylene	11.95	106	445587	54.003	ug/l	99
70) Styrene	11.97	104	786884	55.414	ug/l	99
71) Bromoform	12.13	173	158366	56.620	ug/l #	100
73) Isopropylbenzene	12.25	105	1252963	52.808	ug/l	100
74) N-amyl acetate	12.07	43	525185	50.861	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	403351	50.490	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	336701m	48.677	ug/l	
77) Bromobenzene	12.53	156	288337	48.742	ug/l	100
78) n-propylbenzene	12.60	91	1462755	53.688	ug/l	99
79) 2-Chlorotoluene	12.68	91	873802	50.743	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	1082195	53.981	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	88546	45.048	ug/l	96
82) 4-Chlorotoluene	12.78	91	932994	52.760	ug/l	98
83) tert-Butylbenzene	13.00	119	937082	52.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1095227	53.753	ug/l	99
85) sec-Butylbenzene	13.18	105	1277934	54.105	ug/l	99
86) p-Isopropyltoluene	13.29	119	1153821	55.442	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	567305	52.247	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	571084	51.815	ug/l	99
89) n-Butylbenzene	13.62	91	1061099	53.991	ug/l	100
90) Hexachloroethane	13.88	117	166921	53.931	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	565115	52.096	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	71731	54.371	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	355018	50.072	ug/l	99
94) Hexachlorobutadiene	15.02	225	160663	53.455	ug/l	98
95) Naphthalene	15.13	128	970851	54.376	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	337540	54.441	ug/l	99

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

