

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091919\
 Data File : VN058206.D
 Acq On : 19 Sep 2019 15:49
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 3:37:34 PM

Quant Time: Sep 20 08:04:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	499753	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	831558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	767452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	379806	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	355308	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
35) Dibromofluoromethane	7.57	113	256021	50.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.30%	
50) Toluene-d8	10.08	98	1038673	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
62) 4-Bromofluorobenzene	12.40	95	384816	52.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	183333	44.657	ug/l	98
3) Chloromethane	2.04	50	151109	47.705	ug/l	99
4) Vinyl Chloride	2.17	62	166417	48.057	ug/l	100
5) Bromomethane	2.54	94	90681	49.511	ug/l	98
6) Chloroethane	2.68	64	110026	49.624	ug/l	96
7) Trichlorofluoromethane	3.00	101	256230	45.726	ug/l	100
8) Diethyl Ether	3.39	74	115810	45.105	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.73	101	185321	45.870	ug/l	99
10) Methyl Iodide	3.93	142	151724	44.817	ug/l	99
11) Tert butyl alcohol	4.75	59	198546	239.796	ug/l #	80
12) 1,1-Dichloroethene	3.72	96	143348	46.730	ug/l	98
13) Acrolein	3.58	56	35659	290.612	ug/l	98
14) Allyl chloride	4.30	41	306643	46.384	ug/l	100
15) Acrylonitrile	4.96	53	546312	247.652	ug/l	100
16) Acetone	3.79	43	559331	236.734	ug/l	100
17) Carbon Disulfide	4.03	76	182003	42.215	ug/l	99
18) Methyl Acetate	4.30	43	287766	46.287	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	738790	48.483	ug/l	97
20) Methylene Chloride	4.52	84	201648	48.742	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	158314	47.364	ug/l	98
22) Diisopropyl ether	5.93	45	826070	49.190	ug/l	97
23) Vinyl Acetate	5.87	43	2981380	259.455	ug/l	100
24) 1,1-Dichloroethane	5.82	63	425630	47.488	ug/l	98
25) 2-Butanone	6.81	43	804370	249.890	ug/l	99
26) 2,2-Dichloropropane	6.80	77	355256	46.721	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	238450	47.051	ug/l	97
28) Bromochloromethane	7.17	49	218189	51.460	ug/l #	100
29) Tetrahydrofuran	7.19	42	474970	239.551	ug/l	99
30) Chloroform	7.36	83	460410	47.722	ug/l	99
31) Cyclohexane	7.64	56	275292	47.390	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	359475	48.944	ug/l	100
36) 1,1-Dichloropropene	7.78	75	270280	45.071	ug/l	100
37) Ethyl Acetate	6.90	43	306546	49.258	ug/l	100
38) Carbon Tetrachloride	7.76	117	283143	46.970	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	275100	47.450	ug/l	97
40) Benzene	8.02	78	869615	47.478	ug/l	99
41) Methacrylonitrile	7.15	41	152728	48.738	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	366453	47.681	ug/l	100
43) Isopropyl Acetate	8.15	43	560431	48.218	ug/l	100
44) Trichloroethene	8.82	130	212180	47.338	ug/l	100
45) 1,2-Dichloropropane	9.11	63	272390	49.798	ug/l	97
46) Dibromomethane	9.20	93	162473	48.855	ug/l	99
47) Bromodichloromethane	9.39	83	354315	50.856	ug/l	98
48) Methyl methacrylate	9.19	41	263302	49.894	ug/l	99
49) 1,4-Dioxane	9.19	88	88372	1019.968	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1706368	276.403	ug/l	99
52) Toluene	10.15	92	563246	49.068	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	376283	52.725	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	405244	51.431	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	258800	50.804	ug/l	99
56) Ethyl methacrylate	10.43	69	387361	52.703	ug/l	99
57) 1,3-Dichloropropane	10.71	76	439862	50.228	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	960339	274.309	ug/l	99
59) 2-Hexanone	10.75	43	1257889	274.350	ug/l	99
60) Dibromochloromethane	10.90	129	261255	53.309	ug/l	100
61) 1,2-Dibromoethane	11.00	107	239867	50.810	ug/l	100
64) Tetrachloroethene	10.63	164	172476	46.103	ug/l	98
65) Chlorobenzene	11.43	112	659995	48.892	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	250840	51.247	ug/l	99
67) Ethyl Benzene	11.51	91	1196250	51.718	ug/l	99
68) m/p-Xylenes	11.62	106	867444	99.574	ug/l	98
69) o-Xylene	11.95	106	440610	51.437	ug/l	98
70) Styrene	11.97	104	778686	52.760	ug/l	99
71) Bromoform	12.13	173	169231	46.876	ug/l #	99
73) Isopropylbenzene	12.25	105	1244822	52.362	ug/l	99
74) N-amyl acetate	12.07	43	529204	53.211	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	403821	50.724	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	386687m	56.888	ug/l	
77) Bromobenzene	12.53	156	290808	48.630	ug/l	98
78) n-propylbenzene	12.59	91	1460988	54.081	ug/l	100
79) 2-Chlorotoluene	12.68	91	870992	51.588	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1064380	52.946	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	104117	46.098	ug/l	97
82) 4-Chlorotoluene	12.78	91	918714	51.766	ug/l	99
83) tert-Butylbenzene	13.00	119	936040	52.212	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1090929	54.530	ug/l	99
85) sec-Butylbenzene	13.18	105	1274924	54.383	ug/l	100
86) p-Isopropyltoluene	13.29	119	1146635	55.017	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	565110	51.738	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	565648	50.727	ug/l	99
89) n-Butylbenzene	13.62	91	1062722	53.783	ug/l	99
90) Hexachloroethane	13.88	117	175975	48.255	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	561456	51.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	74965	52.304	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	363531	51.931	ug/l	99
94) Hexachlorobutadiene	15.02	225	166371	49.172	ug/l	98
95) Naphthalene	15.13	128	967782	53.345	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	339859	51.365	ug/l	99

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

