

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081419\
 Data File : VN057287.D
 Acq On : 14 Aug 2019 14:57
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:52:52 AM

Quant Time: Aug 14 15:19:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081319W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 11:11:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	891805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1349053	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1230439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	509435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	490566	54.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.06%	
35) Dibromofluoromethane	7.58	113	432458	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.09	98	1645246	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
62) 4-Bromofluorobenzene	12.40	95	569599	52.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	374539	49.820	ug/l	99
3) Chloromethane	2.05	50	430376	50.496	ug/l	100
4) Vinyl Chloride	2.18	62	416596	50.321	ug/l	99
5) Bromomethane	2.54	94	302557m	50.821	ug/l	
6) Chloroethane	2.69	64	282662	51.926	ug/l	100
7) Trichlorofluoromethane	3.01	101	652893	50.124	ug/l	100
8) Diethyl Ether	3.40	74	247951	52.532	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	378842	48.437	ug/l	99
10) Methyl Iodide	3.95	142	646422	53.202	ug/l	98
11) Tert butyl alcohol	4.76	59	341276	281.694	ug/l #	82
12) 1,1-Dichloroethene	3.73	96	393102	50.655	ug/l	97
13) Acrolein	3.60	56	236283	272.601	ug/l	99
14) Allyl chloride	4.31	41	612982	52.070	ug/l	100
15) Acrylonitrile	4.97	53	954020	279.512	ug/l	100
16) Acetone	3.80	43	722414	234.222	ug/l	99
17) Carbon Disulfide	4.05	76	1044700	49.250	ug/l	99
18) Methyl Acetate	4.31	43	454355	57.314	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	1225692	52.894	ug/l	99
20) Methylene Chloride	4.55	84	451983	50.166	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	408419	49.370	ug/l	97
22) Diisopropyl ether	5.94	45	1235233	53.366	ug/l	98
23) Vinyl Acetate	5.88	43	5021963	273.799	ug/l	100
24) 1,1-Dichloroethane	5.84	63	753611	51.678	ug/l	99
25) 2-Butanone	6.82	43	1189044	271.154	ug/l	99
26) 2,2-Dichloropropane	6.82	77	570698	47.700	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	481225	50.445	ug/l	99
28) Bromochloromethane	7.18	49	350089	54.404	ug/l	96
29) Tetrahydrofuran	7.20	42	761194	271.538	ug/l	100
30) Chloroform	7.36	83	766289	50.304	ug/l	97
31) Cyclohexane	7.64	56	631367	49.538	ug/l	99
32) 1,1,1-Trichloroethane	7.56	97	679260	52.716	ug/l	100
36) 1,1-Dichloropropene	7.79	75	572703	48.557	ug/l	99
37) Ethyl Acetate	6.91	43	496599	52.384	ug/l	99
38) Carbon Tetrachloride	7.77	117	599864	47.878	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	661511	47.371	ug/l	97
40) Benzene	8.03	78	1746522	48.743	ug/l	98
41) Methacrylonitrile	7.17	41	213600m	53.797	ug/l	
42) 1,2-Dichloroethane	8.12	62	582266	50.711	ug/l	99
43) Isopropyl Acetate	8.16	43	909993	58.286	ug/l	95
44) Trichloroethene	8.83	130	491525	47.323	ug/l	97
45) 1,2-Dichloropropane	9.11	63	451811	49.772	ug/l	100
46) Dibromomethane	9.20	93	303901	49.653	ug/l	97
47) Bromodichloromethane	9.40	83	607112	51.450	ug/l	100
48) Methyl methacrylate	9.19	41	393093	54.414	ug/l	99
49) 1,4-Dioxane	9.19	88	165483	1016.478	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	2475561	270.028	ug/l	98
52) Toluene	10.15	92	1116941	50.176	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	657820	52.117	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	718906	50.538	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	432748	49.735	ug/l	99
56) Ethyl methacrylate	10.43	69	662466	54.267	ug/l	100
57) 1,3-Dichloropropane	10.70	76	723122	50.372	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	868777	243.992	ug/l	99
59) 2-Hexanone	10.75	43	1782291	274.000	ug/l	99
60) Dibromochloromethane	10.90	129	494140	50.642	ug/l	100
61) 1,2-Dibromoethane	11.00	107	461970	51.141	ug/l	99
64) Tetrachloroethene	10.63	164	496738	45.706	ug/l	100
65) Chlorobenzene	11.43	112	1210576	48.080	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	461485	47.463	ug/l	99
67) Ethyl Benzene	11.51	91	2135713	49.687	ug/l	99
68) m/p-Xylenes	11.62	106	1606853	100.194	ug/l	99
69) o-Xylene	11.95	106	791741	50.421	ug/l	100
70) Styrene	11.96	104	1311266	53.936	ug/l	99
71) Bromoform	12.13	173	381290	51.178	ug/l #	99
73) Isopropylbenzene	12.25	105	2107206	53.782	ug/l	98
74) N-amyl acetate	12.07	43	666592	55.790	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	595486	56.145	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	495153m	55.895	ug/l	
77) Bromobenzene	12.53	156	562637	53.194	ug/l	98
78) n-propylbenzene	12.59	91	2231861	52.187	ug/l	99
79) 2-Chlorotoluene	12.67	91	1374969	53.426	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1759495	52.899	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	186728	49.233	ug/l	95
82) 4-Chlorotoluene	12.77	91	1325063	47.692	ug/l	98
83) tert-Butylbenzene	12.99	119	1551915	52.750	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1665616	46.430	ug/l	99
85) sec-Butylbenzene	13.17	105	1945957	51.883	ug/l	99
86) p-Isopropyltoluene	13.29	119	1695781	45.268	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	855684	48.486	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	798395	46.512	ug/l	99
89) n-Butylbenzene	13.62	91	1267174	48.226	ug/l	99
90) Hexachloroethane	13.88	117	325445	52.203	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	813350	47.269	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83387	49.002	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	290120	43.702	ug/l	100
94) Hexachlorobutadiene	15.01	225	333571	50.922	ug/l	99
95) Naphthalene	15.13	128	544706	50.935	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	253261	42.718	ug/l	98

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

