

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121119\
 Data File : VN059566.D
 Acq On : 11 Dec 2019 17:03
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/12/2019 9:25:40 AM

Quant Time: Dec 12 01:35:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N120919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 10 01:09:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	527580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	830477	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	762997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	365810	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	359077	48.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.40%	
35) Dibromofluoromethane	7.57	113	257805	52.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.04%	
50) Toluene-d8	10.08	98	1041492	51.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.96%	
62) 4-Bromofluorobenzene	12.40	95	378109	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	154920	25.459	ug/l	99
3) Chloromethane	2.04	50	247719	26.893	ug/l	99
4) Vinyl Chloride	2.17	62	248178	27.334	ug/l	99
5) Bromomethane	2.54	94	140995	25.495	ug/l	100
6) Chloroethane	2.68	64	144250	26.606	ug/l	96
7) Trichlorofluoromethane	3.00	101	303579	27.970	ug/l	100
8) Diethyl Ether	3.38	74	90702	24.385	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	146892	26.005	ug/l	100
10) Methyl Iodide	3.92	142	187388	24.500	ug/l	99
11) Tert butyl alcohol	4.76	59	165583	135.739	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	137552	25.050	ug/l	96
13) Acrolein	3.58	56	82193	138.460	ug/l	100
14) Allyl chloride	4.29	41	279702	26.479	ug/l	99
15) Acrylonitrile	4.95	53	437278	135.913	ug/l	99
16) Acetone	3.79	43	473748	137.537	ug/l	100
17) Carbon Disulfide	4.02	76	433451	24.628	ug/l	100
18) Methyl Acetate	4.29	43	232709	25.732	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	510852	27.987	ug/l	99
20) Methylene Chloride	4.52	84	160375	25.704	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	157851	26.783	ug/l	97
22) Diisopropyl ether	5.92	45	563091	28.002	ug/l	97
23) Vinyl Acetate	5.86	43	2434201	145.114	ug/l	100
24) 1,1-Dichloroethane	5.82	63	310929	27.233	ug/l	99
25) 2-Butanone	6.81	43	661631	142.703	ug/l	99
26) 2,2-Dichloropropane	6.80	77	285062	27.637	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	180592	27.243	ug/l	100
28) Bromochloromethane	7.17	49	113268	27.477	ug/l	98
29) Tetrahydrofuran	7.18	42	427121	132.440	ug/l	99
30) Chloroform	7.35	83	311159	27.614	ug/l	99
31) Cyclohexane	7.63	56	287558	25.881	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	273487	27.359	ug/l	100
36) 1,1-Dichloropropene	7.77	75	240175	28.188	ug/l	100
37) Ethyl Acetate	6.90	43	263332	27.226	ug/l	99
38) Carbon Tetrachloride	7.75	117	237349	28.261	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	275033	28.777	ug/l	99
40) Benzene	8.02	78	677133	27.819	ug/l	99
41) Methacrylonitrile	7.15	41	117026m	28.263	ug/l	
42) 1,2-Dichloroethane	8.10	62	261734	28.861	ug/l	100
43) Isopropyl Acetate	8.14	43	420643	28.600	ug/l	99
44) Trichloroethene	8.82	130	174776	28.423	ug/l	98
45) 1,2-Dichloropropane	9.10	63	186568	28.934	ug/l	100
46) Dibromomethane	9.19	93	118971	27.919	ug/l	99
47) Bromodichloromethane	9.39	83	248104	29.295	ug/l	99
48) Methyl methacrylate	9.18	41	194926	30.310	ug/l	98
49) 1,4-Dioxane	9.19	88	52694	640.410	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1306654	139.463	ug/l	100
52) Toluene	10.14	92	422671	29.144	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	285463	28.929	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	298573	29.564	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	164175	27.990	ug/l	99
56) Ethyl methacrylate	10.42	69	260718	26.833	ug/l	99
57) 1,3-Dichloropropane	10.70	76	290790	29.028	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	284088	118.229	ug/l	99
59) 2-Hexanone	10.74	43	989834	139.659	ug/l	100
60) Dibromochloromethane	10.90	129	183868	26.763	ug/l	100
61) 1,2-Dibromoethane	11.00	107	173063	28.343	ug/l	99
64) Tetrachloroethene	10.62	164	154265	27.664	ug/l	99
65) Chlorobenzene	11.43	112	439628	27.499	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	167345	28.065	ug/l	100
67) Ethyl Benzene	11.51	91	820098	28.506	ug/l	100
68) m/p-Xylenes	11.62	106	601242	55.711	ug/l	96
69) o-Xylene	11.94	106	286000	28.472	ug/l	96
70) Styrene	11.96	104	472091	28.368	ug/l	98
71) Bromoform	12.12	173	131623	28.055	ug/l #	100
73) Isopropylbenzene	12.25	105	775361	28.257	ug/l	100
74) N-amyl acetate	12.07	43	359223	30.054	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	245589	26.413	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	262759m	28.088	ug/l	
77) Bromobenzene	12.52	156	181727	26.602	ug/l	93
78) n-propylbenzene	12.59	91	939174	27.853	ug/l	99
79) 2-Chlorotoluene	12.67	91	543160	27.014	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	658120	27.969	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	95507	27.469	ug/l	89
82) 4-Chlorotoluene	12.77	91	568259	27.640	ug/l	99
83) tert-Butylbenzene	12.99	119	548761	27.967	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	656019	28.235	ug/l	99
85) sec-Butylbenzene	13.17	105	760625	28.222	ug/l	99
86) p-Isopropyltoluene	13.29	119	690100	28.648	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	335973	26.702	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	330713	26.843	ug/l	98
89) n-Butylbenzene	13.62	91	658884	29.130	ug/l	98
90) Hexachloroethane	13.87	117	129381	29.246	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	322612	27.322	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	55275	26.927	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	210400	25.763	ug/l	99
94) Hexachlorobutadiene	15.01	225	108456	25.994	ug/l	99
95) Naphthalene	15.13	128	608800	25.502	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	202027	26.582	ug/l	99

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

