

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059144.D
 Acq On : 11 Nov 2019 8:50
 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
 11/12/2019 11:20:05 AM

Quant Time: Nov 12 00:53:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	553217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	862701	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	789002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	378927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	313027	46.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.06%	
35) Dibromofluoromethane	7.56	113	244318	47.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.86%	
50) Toluene-d8	10.08	98	967998	47.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.42%	
62) 4-Bromofluorobenzene	12.40	95	363941	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	249818	44.819	ug/l	98
3) Chloromethane	2.04	50	316397	41.759	ug/l	100
4) Vinyl Chloride	2.17	62	326597	44.460	ug/l	100
5) Bromomethane	2.53	94	181791	43.005	ug/l	100
6) Chloroethane	2.68	64	199695	45.955	ug/l	99
7) Trichlorofluoromethane	3.00	101	397872	45.282	ug/l	98
8) Diethyl Ether	3.38	74	161119	45.129	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	240777	45.449	ug/l	99
10) Methyl Iodide	3.92	142	299930	45.739	ug/l	99
11) Tert butyl alcohol	4.75	59	273068	210.697	ug/l	99
12) 1,1-Dichloroethene	3.71	96	233071	45.163	ug/l	96
13) Acrolein	3.58	56	153355	229.504	ug/l	98
14) Allyl chloride	4.29	41	423995	39.997	ug/l	89
15) Acrylonitrile	4.95	53	711003	220.442	ug/l	98
16) Acetone	3.78	43	1055642	298.510	ug/l	99
17) Carbon Disulfide	4.02	76	662026	41.325	ug/l	100
18) Methyl Acetate	4.29	43	368261	43.872	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	854161	48.074	ug/l	99
20) Methylene Chloride	4.52	84	278912	45.271	ug/l	98
21) trans-1,2-Dichloroethene	5.00	96	254823	46.002	ug/l	97
22) Diisopropyl ether	5.92	45	930299	46.461	ug/l	99
23) Vinyl Acetate	5.86	43	3826856	246.604	ug/l	99
24) 1,1-Dichloroethane	5.82	63	512444	45.822	ug/l	99
25) 2-Butanone	6.80	43	1163846	249.713	ug/l	99
26) 2,2-Dichloropropane	6.79	77	461022	47.145	ug/l	98
27) cis-1,2-Dichloroethene	6.80	96	298819	46.497	ug/l	99
28) Bromochloromethane	7.17	49	142950	42.486	ug/l	96
29) Tetrahydrofuran	7.18	42	633906	214.054	ug/l	98
30) Chloroform	7.34	83	499050	46.519	ug/l	100
31) Cyclohexane	7.63	56	457871	43.248	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	434381	48.160	ug/l	100
36) 1,1-Dichloropropene	7.77	75	383563	47.566	ug/l	99
37) Ethyl Acetate	6.90	43	397068	44.263	ug/l	99
38) Carbon Tetrachloride	7.75	117	380901	47.458	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.06	83	465986	49.792	ug/l	97
40) Benzene	8.02	78	1140585	46.971	ug/l	99
41) Methacrylonitrile	7.15	41	182441m	46.770	ug/l	
42) 1,2-Dichloroethane	8.10	62	399645	47.986	ug/l	100
43) Isopropyl Acetate	8.14	43	649141	45.390	ug/l	99
44) Trichloroethene	8.81	130	289307	48.467	ug/l	98
45) 1,2-Dichloropropane	9.10	63	309779	46.967	ug/l	99
46) Dibromomethane	9.19	93	194417	47.303	ug/l	99
47) Bromodichloromethane	9.39	83	399378	48.663	ug/l	97
48) Methyl methacrylate	9.18	41	296241	46.309	ug/l	98
49) 1,4-Dioxane	9.18	88	105486	927.884	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1984650	245.256	ug/l	100
52) Toluene	10.14	92	708543	48.683	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	473923	49.982	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	504041	49.418	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	277268	47.072	ug/l	99
56) Ethyl methacrylate	10.42	69	443694	45.344	ug/l	99
57) 1,3-Dichloropropane	10.70	76	492885	48.619	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	882054	269.075	ug/l	99
59) 2-Hexanone	10.74	43	1619253	260.703	ug/l	99
60) Dibromochloromethane	10.89	129	309243	49.656	ug/l	100
61) 1,2-Dibromoethane	11.00	107	290590	48.734	ug/l	99
64) Tetrachloroethene	10.62	164	255298	47.585	ug/l	98
65) Chlorobenzene	11.43	112	761558	49.514	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	283566	49.148	ug/l	99
67) Ethyl Benzene	11.51	91	1387415	50.842	ug/l	99
68) m/p-Xylenes	11.62	106	1040416	101.781	ug/l	99
69) o-Xylene	11.94	106	496984	50.309	ug/l	98
70) Styrene	11.96	104	834800	53.732	ug/l	99
71) Bromoform	12.12	173	221266	49.303	ug/l #	100
73) Isopropylbenzene	12.25	105	1363538	49.469	ug/l	100
74) N-amyl acetate	12.07	43	561262	48.055	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	421781	44.934	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	422235m	48.944	ug/l	
77) Bromobenzene	12.52	156	318990	46.063	ug/l	99
78) n-propylbenzene	12.59	91	1603088	50.795	ug/l	100
79) 2-Chlorotoluene	12.67	91	944271	48.231	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	1154921	49.449	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	158069	48.396	ug/l	98
82) 4-Chlorotoluene	12.77	91	966005	49.194	ug/l	99
83) tert-Butylbenzene	12.99	119	978168	48.497	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1142428	50.557	ug/l	99
85) sec-Butylbenzene	13.17	105	1334372	50.869	ug/l	100
86) p-Isopropyltoluene	13.29	119	1207190	52.120	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	583716	49.223	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	578242	48.736	ug/l	100
89) n-Butylbenzene	13.62	91	1075969	53.077	ug/l	99
90) Hexachloroethane	13.88	117	217353	46.734	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	564389	48.382	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	83434	44.555	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	332412	47.152	ug/l	98
94) Hexachlorobutadiene	15.01	225	192104	47.760	ug/l	100
95) Naphthalene	15.13	128	908027	46.472	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	320563	49.035	ug/l	99

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

