

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112219\
 Data File : VN059351.D
 Acq On : 22 Nov 2019 9:36
 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
 11/26/2019 2:43:10 PM

Quant Time: Nov 22 11:31:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	366370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	571273	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	516241	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244220	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	202403	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
35) Dibromofluoromethane	7.57	113	164141	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	10.08	98	663019	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	240913	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	225473	48.072	ug/l	100
3) Chloromethane	2.04	50	269978	46.985	ug/l	99
4) Vinyl Chloride	2.17	62	285926	48.332	ug/l	100
5) Bromomethane	2.54	94	152721	46.499	ug/l	98
6) Chloroethane	2.68	64	147102	45.561	ug/l	98
7) Trichlorofluoromethane	3.00	101	287529	45.134	ug/l	98
8) Diethyl Ether	3.38	74	125915	48.347	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	186634	47.911	ug/l	100
10) Methyl Iodide	3.93	142	253737	52.410	ug/l	98
11) Tert butyl alcohol	4.74	59	203006	230.660	ug/l	100
12) 1,1-Dichloroethene	3.71	96	184828	46.743	ug/l	98
13) Acrolein	3.58	56	174185	216.809	ug/l	98
14) Allyl chloride	4.29	41	319424	43.242	ug/l	94
15) Acrylonitrile	4.95	53	546429	234.820	ug/l	100
16) Acetone	3.79	43	542337	275.157	ug/l	98
17) Carbon Disulfide	4.03	76	584280	47.156	ug/l	100
18) Methyl Acetate	4.29	43	307357	46.988	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	623841	48.847	ug/l	100
20) Methylene Chloride	4.52	84	210977	47.460	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	201405	48.060	ug/l	98
22) Diisopropyl ether	5.92	45	675349	48.558	ug/l	98
23) Vinyl Acetate	5.86	43	2678834	244.935	ug/l	99
24) 1,1-Dichloroethane	5.82	63	380515	48.607	ug/l	99
25) 2-Butanone	6.80	43	751881	245.319	ug/l	97
26) 2,2-Dichloropropane	6.80	77	320784	47.323	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	223027	47.170	ug/l	100
28) Bromochloromethane	7.17	49	161078	50.489	ug/l	98
29) Tetrahydrofuran	7.18	42	484918	228.813	ug/l	99
30) Chloroform	7.35	83	360234	47.414	ug/l	97
31) Cyclohexane	7.63	56	355793	45.967	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	312564	47.887	ug/l	99
36) 1,1-Dichloropropene	7.77	75	284290	48.205	ug/l	99
37) Ethyl Acetate	6.90	43	294982	46.540	ug/l	98
38) Carbon Tetrachloride	7.75	117	271002	48.000	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	352857	49.617	ug/l	99
40) Benzene	8.02	78	855868	49.446	ug/l	100
41) Methacrylonitrile	7.16	41	145685m	51.777	ug/l	
42) 1,2-Dichloroethane	8.10	62	277161	48.416	ug/l	100
43) Isopropyl Acetate	8.14	43	464726	47.977	ug/l	99
44) Trichloroethene	8.82	130	216098	49.261	ug/l	97
45) 1,2-Dichloropropane	9.10	63	229250	49.668	ug/l	98
46) Dibromomethane	9.19	93	139271	49.193	ug/l	99
47) Bromodichloromethane	9.39	83	282356	49.799	ug/l	100
48) Methyl methacrylate	9.18	41	211804	48.083	ug/l	97
49) 1,4-Dioxane	9.18	88	71150	1074.726	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1446399	255.106	ug/l	99
52) Toluene	10.15	92	522343	50.187	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	333010	50.524	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	361833	50.590	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	201392	49.767	ug/l	99
56) Ethyl methacrylate	10.42	69	317877	46.664	ug/l	99
57) 1,3-Dichloropropane	10.70	76	350992	49.765	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	400721	167.966	ug/l	100
59) 2-Hexanone	10.75	43	1072658	258.367	ug/l	98
60) Dibromochloromethane	10.90	129	217826	51.082	ug/l	100
61) 1,2-Dibromoethane	11.00	107	210327	49.952	ug/l	100
64) Tetrachloroethene	10.62	164	190867	47.804	ug/l	99
65) Chlorobenzene	11.43	112	548350	49.400	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	199975	49.590	ug/l	99
67) Ethyl Benzene	11.51	91	1002170	50.565	ug/l	100
68) m/p-Xylenes	11.62	106	750846	101.954	ug/l	100
69) o-Xylene	11.95	106	358000	50.777	ug/l	99
70) Styrene	11.96	104	587582	52.817	ug/l	100
71) Bromoform	12.13	173	156277	51.171	ug/l #	99
73) Isopropylbenzene	12.25	105	968059	48.388	ug/l	100
74) N-amyl acetate	12.07	43	383187	47.659	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	303957	45.929	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	299689m	53.117	ug/l	
77) Bromobenzene	12.53	156	229785	47.354	ug/l	98
78) n-propylbenzene	12.59	91	1134839	50.077	ug/l	100
79) 2-Chlorotoluene	12.68	91	660359	47.474	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	820347	48.778	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	111297	49.338	ug/l	98
82) 4-Chlorotoluene	12.78	91	682375	47.406	ug/l	99
83) tert-Butylbenzene	12.99	119	687778	48.422	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	811524	49.260	ug/l	99
85) sec-Butylbenzene	13.17	105	931917	48.815	ug/l	99
86) p-Isopropyltoluene	13.29	119	850183	50.046	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	413888	47.895	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	408908	47.825	ug/l	100
89) n-Butylbenzene	13.62	91	737545	49.492	ug/l	99
90) Hexachloroethane	13.88	117	152919	47.531	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	401405	48.011	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	57159	40.624	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	226479	43.931	ug/l	99
94) Hexachlorobutadiene	15.01	225	141327	46.917	ug/l	99
95) Naphthalene	15.13	128	573583	40.480	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	218393	43.063	ug/l	99

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

