

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103019\
 Data File : VN059015.D
 Acq On : 30 Oct 2019 9:14
 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
 10/31/2019 3:37:15 PM

Quant Time: Oct 31 04:30:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	399083	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	623230	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	581217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	293205	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	272085	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
35) Dibromofluoromethane	7.57	113	206989	50.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.02%	
50) Toluene-d8	10.08	98	785212	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	12.40	95	304493	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	213306	42.869	ug/l	98
3) Chloromethane	2.04	50	262716	42.631	ug/l	98
4) Vinyl Chloride	2.17	62	272577	44.547	ug/l	99
5) Bromomethane	2.54	94	161852	42.241	ug/l	99
6) Chloroethane	2.68	64	170635	43.486	ug/l	99
7) Trichlorofluoromethane	3.00	101	353321	46.668	ug/l	99
8) Diethyl Ether	3.38	74	132295	50.565	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	204099	48.628	ug/l	98
10) Methyl Iodide	3.93	142	244580	44.306	ug/l	99
11) Tert butyl alcohol	4.75	59	227254	233.967	ug/l	99
12) 1,1-Dichloroethene	3.71	96	186677	47.450	ug/l	98
13) Acrolein	3.58	56	115827	173.552	ug/l	98
14) Allyl chloride	4.29	41	397283	49.904	ug/l	96
15) Acrylonitrile	4.95	53	637333	260.856	ug/l	99
16) Acetone	3.79	43	726423	251.158	ug/l	98
17) Carbon Disulfide	4.03	76	526142	41.516	ug/l	100
18) Methyl Acetate	4.29	43	336670	51.199	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	725899	52.693	ug/l	100
20) Methylene Chloride	4.52	84	231960	46.968	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	213540	49.149	ug/l	98
22) Diisopropyl ether	5.92	45	833059	53.499	ug/l	95
23) Vinyl Acetate	5.86	43	3420660	273.422	ug/l	100
24) 1,1-Dichloroethane	5.82	63	448870	49.714	ug/l	99
25) 2-Butanone	6.81	43	937066	249.585	ug/l	98
26) 2,2-Dichloropropane	6.80	77	392528	50.261	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	253520	51.079	ug/l	99
28) Bromochloromethane	7.17	49	148782	49.478	ug/l	99
29) Tetrahydrofuran	7.18	42	574585	250.172	ug/l	99
30) Chloroform	7.35	83	434699	47.996	ug/l	100
31) Cyclohexane	7.63	56	380608	45.248	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	367876	48.188	ug/l	98
36) 1,1-Dichloropropene	7.77	75	323621	50.720	ug/l	99
37) Ethyl Acetate	6.90	43	362075	52.079	ug/l	99
38) Carbon Tetrachloride	7.75	117	325490	49.518	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	370207	51.673	ug/l	99
40) Benzene	8.02	78	974095	51.989	ug/l	100
41) Methacrylonitrile	7.15	41	159708m	51.578	ug/l	
42) 1,2-Dichloroethane	8.10	62	356075	49.335	ug/l	99
43) Isopropyl Acetate	8.14	43	583842	52.362	ug/l	99
44) Trichloroethene	8.82	130	234314	51.338	ug/l	99
45) 1,2-Dichloropropane	9.10	63	270519	52.653	ug/l	99
46) Dibromomethane	9.19	93	166156	51.156	ug/l	99
47) Bromodichloromethane	9.39	83	350288	52.326	ug/l	99
48) Methyl methacrylate	9.18	41	267143	52.807	ug/l	97
49) 1,4-Dioxane	9.18	88	88132	1061.263	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	1822646	279.860	ug/l	99
52) Toluene	10.15	92	596611	53.696	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	396273	53.473	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	423933	53.544	ug/l	96
55) 1,1,2-Trichloroethane	10.55	97	241450	52.750	ug/l	99
56) Ethyl methacrylate	10.42	69	381354	49.616	ug/l	96
57) 1,3-Dichloropropane	10.70	76	422359	52.575	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	791271	243.855	ug/l	100
59) 2-Hexanone	10.75	43	1388282	275.859	ug/l	98
60) Dibromochloromethane	10.90	129	265320	53.853	ug/l	99
61) 1,2-Dibromoethane	11.00	107	244058	52.102	ug/l	98
64) Tetrachloroethene	10.63	164	208535	51.231	ug/l	98
65) Chlorobenzene	11.43	112	630446	53.280	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	240454	53.851	ug/l	99
67) Ethyl Benzene	11.51	91	1162753	56.016	ug/l	98
68) m/p-Xylenes	11.62	106	866020	112.502	ug/l	99
69) o-Xylene	11.95	106	411012	55.983	ug/l	98
70) Styrene	11.96	104	692918	51.093	ug/l	99
71) Bromoform	12.13	173	190148	54.916	ug/l #	100
73) Isopropylbenzene	12.25	105	1137860	53.102	ug/l	99
74) N-amyl acetate	12.07	43	508489	52.344	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	372250	49.406	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	352673m	51.899	ug/l	
77) Bromobenzene	12.53	156	269622	51.050	ug/l	98
78) n-propylbenzene	12.59	91	1364212	53.861	ug/l	100
79) 2-Chlorotoluene	12.68	91	803776	51.850	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	981523	54.519	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	136688	52.401	ug/l	96
82) 4-Chlorotoluene	12.78	91	831327	52.476	ug/l	100
83) tert-Butylbenzene	13.00	119	834992	54.237	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	978211	55.088	ug/l	98
85) sec-Butylbenzene	13.17	105	1120184	54.575	ug/l	98
86) p-Isopropyltoluene	13.29	119	1027016	56.707	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	501204	53.072	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	496719	52.534	ug/l	99
89) n-Butylbenzene	13.62	91	927431	55.746	ug/l	99
90) Hexachloroethane	13.88	117	190088	51.797	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	493261	53.141	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76020	44.609	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	281877	48.328	ug/l	99
94) Hexachlorobutadiene	15.01	225	158030	52.528	ug/l	99
95) Naphthalene	15.13	128	764954	45.746	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	272340	47.976	ug/l	99

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

