

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060719\
 Data File : VN056031.D
 Acq On : 6 Jun 2019 8:56
 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
 6/7/2019 9:36:50 AM

Quant Time: Jun 06 18:43:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	325980	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	462864	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421004	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	194062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	156409	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
35) Dibromofluoromethane	7.59	113	142224	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
50) Toluene-d8	10.09	98	547941	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.40	95	189422	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	175979	49.146	ug/l	100
3) Chloromethane	2.06	50	175918	49.784	ug/l	99
4) Vinyl Chloride	2.18	62	180142	50.822	ug/l	99
5) Bromomethane	2.52	94	108356	48.393	ug/l	100
6) Chloroethane	2.68	64	102335m	49.795	ug/l	
7) Trichlorofluoromethane	3.00	101	224404	49.592	ug/l	99
8) Diethyl Ether	3.40	74	89553	48.125	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	141224	51.377	ug/l	100
10) Methyl Iodide	3.94	142	203215	46.522	ug/l	99
11) Tert butyl alcohol	4.81	59	131821	234.033	ug/l	100
12) 1,1-Dichloroethene	3.72	96	136395	49.842	ug/l	97
13) Acrolein	3.60	56	30605	188.399	ug/l	99
14) Allyl chloride	4.31	41	213987	49.521	ug/l	100
15) Acrylonitrile	4.99	53	349392	254.821	ug/l	100
16) Acetone	3.82	43	412649	266.566	ug/l	100
17) Carbon Disulfide	4.03	76	320760	48.954	ug/l	100
18) Methyl Acetate	4.32	43	152058	50.007	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	432376	49.568	ug/l	100
20) Methylene Chloride	4.54	84	155152	48.648	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	144473	49.273	ug/l	98
22) Diisopropyl ether	5.95	45	444700	49.785	ug/l	99
23) Vinyl Acetate	5.89	43	1816238	258.196	ug/l	100
24) 1,1-Dichloroethane	5.84	63	256839	49.847	ug/l	99
25) 2-Butanone	6.84	43	512734	262.152	ug/l	100
26) 2,2-Dichloropropane	6.82	77	200521	49.873	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	170449	49.454	ug/l	98
28) Bromochloromethane	7.19	49	122340	50.208	ug/l	98
29) Tetrahydrofuran	7.21	42	298992	247.305	ug/l	98
30) Chloroform	7.36	83	257754	49.727	ug/l	100
31) Cyclohexane	7.65	56	246851	48.063	ug/l	97
32) 1,1,1-Trichloroethane	7.56	97	217574	50.266	ug/l	99
36) 1,1-Dichloropropene	7.79	75	200597	50.401	ug/l	99
37) Ethyl Acetate	6.93	43	185903	52.497	ug/l	99
38) Carbon Tetrachloride	7.77	117	183888	50.115	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	257005	51.837	ug/l	99
40) Benzene	8.04	78	615317	50.903	ug/l	99
41) Methacrylonitrile	7.17	41	88812	54.509	ug/l	97
42) 1,2-Dichloroethane	8.12	62	192595	49.532	ug/l	99
43) Isopropyl Acetate	8.16	43	293316	51.114	ug/l #	91
44) Trichloroethene	8.83	130	172407	49.635	ug/l	100
45) 1,2-Dichloropropane	9.12	63	159783	51.605	ug/l	100
46) Dibromomethane	9.21	93	103412	51.074	ug/l	99
47) Bromodichloromethane	9.40	83	191509	52.187	ug/l	99
48) Methyl methacrylate	9.20	41	142123	50.624	ug/l	97
49) 1,4-Dioxane	9.20	88	62072	1024.145	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	915161	255.024	ug/l	99
52) Toluene	10.15	92	389234	51.746	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	204786	47.713	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	238701	54.115	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	152977	51.342	ug/l	99
56) Ethyl methacrylate	10.43	69	229341	52.760	ug/l	100
57) 1,3-Dichloropropane	10.71	76	250200	51.655	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	406176	236.526	ug/l	100
59) 2-Hexanone	10.75	43	673320	258.881	ug/l	99
60) Dibromochloromethane	10.90	129	155258	47.381	ug/l	99
61) 1,2-Dibromoethane	11.00	107	158145	51.918	ug/l	98
64) Tetrachloroethene	10.63	164	172742	47.401	ug/l	98
65) Chlorobenzene	11.43	112	415761	49.620	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	147782	51.081	ug/l	99
67) Ethyl Benzene	11.51	91	735953	50.514	ug/l	99
68) m/p-Xylenes	11.62	106	570705	102.540	ug/l	98
69) o-Xylene	11.95	106	276529	50.510	ug/l	99
70) Styrene	11.96	104	461465	53.051	ug/l	99
71) Bromoform	12.13	173	110032	45.558	ug/l #	100
73) Isopropylbenzene	12.25	105	732897	53.134	ug/l	100
74) N-amyl acetate	12.07	43	249948	48.318	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	207776	46.121	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	169040m	47.339	ug/l	
77) Bromobenzene	12.52	156	194173	46.734	ug/l	97
78) n-propylbenzene	12.59	91	800290	48.746	ug/l	99
79) 2-Chlorotoluene	12.67	91	475380	52.311	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	616676	47.262	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54043	50.401	ug/l	93
82) 4-Chlorotoluene	12.77	91	470661	49.002	ug/l	100
83) tert-Butylbenzene	12.99	119	532186	52.716	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	608777	49.201	ug/l	100
85) sec-Butylbenzene	13.17	105	697645	47.984	ug/l	100
86) p-Isopropyltoluene	13.29	119	646988	49.722	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	321868	50.054	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	309510	50.035	ug/l	99
89) n-Butylbenzene	13.61	91	503758	52.262	ug/l	100
90) Hexachloroethane	13.87	117	96683	49.269	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	314803	48.489	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32601	50.595	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	159652	45.084	ug/l	99
94) Hexachlorobutadiene	15.01	225	118651	53.428	ug/l	99
95) Naphthalene	15.13	128	410442	44.664	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	169284	46.646	ug/l	100

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

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