

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091819\
 Data File : VN058160.D
 Acq On : 18 Sep 2019 14:06
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 1:43:34 PM

Quant Time: Sep 19 15:23:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	576102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	944523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	879757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	435323	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	390399	48.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.30%	
35) Dibromofluoromethane	7.57	113	285006	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
50) Toluene-d8	10.08	98	1150962	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
62) 4-Bromofluorobenzene	12.40	95	426480	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	203709	43.044	ug/l	98
3) Chloromethane	2.04	50	171353	46.909	ug/l	98
4) Vinyl Chloride	2.17	62	185665	46.480	ug/l	99
5) Bromomethane	2.54	94	103227	48.901	ug/l	98
6) Chloroethane	2.68	64	121323	47.388	ug/l	99
7) Trichlorofluoromethane	3.00	101	273384	42.322	ug/l	97
8) Diethyl Ether	3.39	74	131856	44.549	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	203361	43.664	ug/l	100
10) Methyl Iodide	3.93	142	188943	48.415	ug/l	98
11) Tert butyl alcohol	4.75	59	223198	233.845	ug/l #	85
12) 1,1-Dichloroethene	3.72	96	162077	45.827	ug/l	98
13) Acrolein	3.59	56	66063	467.044	ug/l	100
14) Allyl chloride	4.30	41	336653	44.175	ug/l	98
15) Acrylonitrile	4.96	53	605407	238.070	ug/l	99
16) Acetone	3.79	43	594120	218.133	ug/l	98
17) Carbon Disulfide	4.03	76	217547	43.762	ug/l	100
18) Methyl Acetate	4.30	43	312868	43.655	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	816886	46.503	ug/l	97
20) Methylene Chloride	4.53	84	226370	47.460	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	175967	45.654	ug/l	98
22) Diisopropyl ether	5.92	45	901751	46.581	ug/l	97
23) Vinyl Acetate	5.87	43	3274356	247.187	ug/l	99
24) 1,1-Dichloroethane	5.82	63	462470	44.760	ug/l	99
25) 2-Butanone	6.81	43	868918	234.168	ug/l	97
26) 2,2-Dichloropropane	6.80	77	392965	44.831	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	265801	45.497	ug/l	99
28) Bromochloromethane	7.18	49	241373	49.383	ug/l #	100
29) Tetrahydrofuran	7.19	42	515163	225.389	ug/l	99
30) Chloroform	7.35	83	503694	45.289	ug/l	100
31) Cyclohexane	7.63	56	308795	46.045	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	403307	47.635	ug/l	99
36) 1,1-Dichloropropene	7.77	75	300859	44.170	ug/l	99
37) Ethyl Acetate	6.91	43	337107	47.690	ug/l	99
38) Carbon Tetrachloride	7.76	117	315919	46.140	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	313171	47.556	ug/l	98
40) Benzene	8.02	78	958329	46.064	ug/l	99
41) Methacrylonitrile	7.15	41	162479	45.706	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	403702	46.245	ug/l	99
43) Isopropyl Acetate	8.15	43	612862	46.423	ug/l	100
44) Trichloroethene	8.82	130	236219	46.399	ug/l	99
45) 1,2-Dichloropropane	9.11	63	296806	47.772	ug/l	100
46) Dibromomethane	9.20	93	179954	47.640	ug/l	99
47) Bromodichloromethane	9.39	83	393958	49.783	ug/l	100
48) Methyl methacrylate	9.19	41	294574	49.144	ug/l	99
49) 1,4-Dioxane	9.19	88	99671	1012.793	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	1850662	263.923	ug/l	99
52) Toluene	10.15	92	621731	47.685	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	419036	51.693	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	448827	50.149	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	283209	48.946	ug/l	98
56) Ethyl methacrylate	10.43	69	423238	50.697	ug/l	99
57) 1,3-Dichloropropane	10.71	76	476044	47.858	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	1043424	262.395	ug/l	100
59) 2-Hexanone	10.75	43	1367038	262.496	ug/l	99
60) Dibromochloromethane	10.90	129	289089	51.934	ug/l	100
61) 1,2-Dibromoethane	11.00	107	262661	48.984	ug/l	99
64) Tetrachloroethene	10.63	164	190939	44.522	ug/l	98
65) Chlorobenzene	11.43	112	734028	47.435	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	278917	49.709	ug/l	100
67) Ethyl Benzene	11.51	91	1300555	49.050	ug/l	99
68) m/p-Xylenes	11.62	106	954083	95.538	ug/l	98
69) o-Xylene	11.95	106	471778	48.045	ug/l	100
70) Styrene	11.97	104	858394	50.736	ug/l	100
71) Bromoform	12.13	173	185376	44.953	ug/l #	99
73) Isopropylbenzene	12.25	105	1362454	50.001	ug/l	100
74) N-amyl acetate	12.07	43	578298	50.732	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	436200	47.804	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	400593m	51.418	ug/l	
77) Bromobenzene	12.53	156	320887	46.817	ug/l	99
78) n-propylbenzene	12.60	91	1599281	51.650	ug/l	100
79) 2-Chlorotoluene	12.68	91	949366	49.059	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	1170299	50.790	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	116170	45.029	ug/l	97
82) 4-Chlorotoluene	12.78	91	1010235	49.663	ug/l	100
83) tert-Butylbenzene	13.00	119	1019991	49.639	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	1180404	51.478	ug/l	99
85) sec-Butylbenzene	13.18	105	1396522	51.973	ug/l	100
86) p-Isopropyltoluene	13.29	119	1258511	52.684	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	619968	49.522	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	626850	49.046	ug/l	100
89) n-Butylbenzene	13.62	91	1180419	52.121	ug/l	99
90) Hexachloroethane	13.88	117	194394	46.610	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	617448	49.168	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	80900	49.246	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	402394	50.152	ug/l	99
94) Hexachlorobutadiene	15.02	225	191057	49.266	ug/l	97
95) Naphthalene	15.13	128	1066385	51.284	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	370649	48.875	ug/l	99

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

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