

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091319\
 Data File : VN058001.D
 Acq On : 13 Sep 2019 3:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 1:03:48 PM

Quant Time: Sep 13 07:00:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	305543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	506606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	485566	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	296170	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	333475	53.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.78%	
35) Dibromofluoromethane	7.58	113	237837	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.09	98	957858	52.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.41	95	347969	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	209337	49.541	ug/l	98
3) Chloromethane	2.04	50	175722	40.802	ug/l	97
4) Vinyl Chloride	2.17	62	187543	41.145	ug/l	99
5) Bromomethane	2.54	94	99608	39.446	ug/l	98
6) Chloroethane	2.68	64	121620	41.873	ug/l	98
7) Trichlorofluoromethane	3.00	101	246328	42.943	ug/l	99
8) Diethyl Ether	3.39	74	114781	47.977	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	177623	49.087	ug/l	98
10) Methyl Iodide	3.93	142	176661	43.872	ug/l	99
11) Tert butyl alcohol	4.76	59	191016	255.025	ug/l	100
12) 1,1-Dichloroethene	3.72	96	147327	45.283	ug/l	95
13) Acrolein	3.59	56	33143	52.156	ug/l	99
14) Allyl chloride	4.30	41	258405	40.585	ug/l	91
15) Acrylonitrile	4.96	53	540829	262.701	ug/l	100
16) Acetone	3.79	43	458969	226.236	ug/l	99
17) Carbon Disulfide	4.03	76	207206	40.949	ug/l	100
18) Methyl Acetate	4.30	43	295836	54.692	ug/l	98
19) Methyl tert-butyl Ether	5.02	73	693893	51.248	ug/l	99
20) Methylene Chloride	4.53	84	204743	53.089	ug/l	95
21) trans-1,2-Dichloroethene	5.02	96	165259	46.988	ug/l	96
22) Diisopropyl ether	5.93	45	765360	51.258	ug/l	99
23) Vinyl Acetate	5.87	43	2794313	264.064	ug/l	100
24) 1,1-Dichloroethane	5.83	63	410895	50.352	ug/l	99
25) 2-Butanone	6.82	43	740488	252.187	ug/l	100
26) 2,2-Dichloropropane	6.81	77	217872	33.737	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	230771	48.962	ug/l	98
28) Bromochloromethane	7.18	49	211699	51.927	ug/l	97
29) Tetrahydrofuran	7.19	42	479543	265.038	ug/l	99
30) Chloroform	7.36	83	432882	50.734	ug/l	98
31) Cyclohexane	7.64	56	281005	50.556	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	341731	50.499	ug/l	99
36) 1,1-Dichloropropene	7.78	75	269095	45.801	ug/l	99
37) Ethyl Acetate	6.91	43	304350	50.138	ug/l	100
38) Carbon Tetrachloride	7.76	117	265382	49.474	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	275608	44.624	ug/l	98
40) Benzene	8.03	78	861202	48.687	ug/l	99
41) Methacrylonitrile	7.19	41	457133	165.899	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	356553	50.402	ug/l	99
43) Isopropyl Acetate	8.15	43	556854	54.550	ug/l #	89
44) Trichloroethene	8.83	130	205845	47.446	ug/l	98
45) 1,2-Dichloropropane	9.11	63	259986	50.512	ug/l	100
46) Dibromomethane	9.20	93	159370	51.240	ug/l	99
47) Bromodichloromethane	9.40	83	324674	52.275	ug/l	99
48) Methyl methacrylate	9.19	41	260345	50.276	ug/l	99
49) 1,4-Dioxane	9.19	88	85244	973.448	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1664055	275.464	ug/l	100
52) Toluene	10.15	92	545481	48.962	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	322700	49.339	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	350073	48.479	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	244200	51.747	ug/l	98
56) Ethyl methacrylate	10.43	69	357934	50.367	ug/l	98
57) 1,3-Dichloropropane	10.71	76	414741	50.996	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	817621	244.276	ug/l	100
59) 2-Hexanone	10.75	43	1184710	261.647	ug/l	100
60) Dibromochloromethane	10.90	129	230286	52.551	ug/l	100
61) 1,2-Dibromoethane	11.00	107	229170	51.366	ug/l	99
64) Tetrachloroethene	10.63	164	175511	48.955	ug/l	96
65) Chlorobenzene	11.43	112	622962	49.023	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	226786	51.432	ug/l	100
67) Ethyl Benzene	11.51	91	1109485	49.818	ug/l	99
68) m/p-Xylenes	11.62	106	822408	100.814	ug/l	99
69) o-Xylene	11.95	106	402104	49.581	ug/l	96
70) Styrene	11.97	104	719206	51.530	ug/l	99
71) Bromoform	12.13	173	143619	52.242	ug/l #	98
73) Isopropylbenzene	12.25	105	1139662	49.590	ug/l	100
74) N-amyl acetate	12.07	43	491886	49.180	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	374622	48.413	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	314689m	46.969	ug/l	
77) Bromobenzene	12.53	156	265091	46.265	ug/l	98
78) n-propylbenzene	12.60	91	1330546	50.418	ug/l	100
79) 2-Chlorotoluene	12.68	91	794221	47.617	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	964558	49.673	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	80224	42.137	ug/l	93
82) 4-Chlorotoluene	12.78	91	818255	47.771	ug/l	98
83) tert-Butylbenzene	13.00	119	845621	48.990	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	990168	50.171	ug/l	98
85) sec-Butylbenzene	13.18	105	1153105	50.402	ug/l	100
86) p-Isopropyltoluene	13.29	119	1027916	50.993	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	509632	48.457	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	500719	46.903	ug/l	100
89) n-Butylbenzene	13.62	91	927744	48.735	ug/l	100
90) Hexachloroethane	13.88	117	147753	49.285	ug/l	100
91) 1,2-Dichlorobenzene	13.66	146	515631	49.075	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	67121	52.525	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	309128	45.012	ug/l	99
94) Hexachlorobutadiene	15.01	225	139751	48.004	ug/l	99
95) Naphthalene	15.13	128	878614	50.698	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	294967	49.214	ug/l	99

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

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