

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN053119\
 Data File : VN055948.D
 Acq On : 1 Jun 2019 4:56
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 6/3/2019 4:12:44 PM

Quant Time: Jun 03 09:03:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	294161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	457808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	409519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180434	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	167196	55.04	ug/l	0.00
Spiked Amount 50.000			Recovery =	110.08%		
35) Dibromofluoromethane	7.59	113	147768	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery =	102.10%		
50) Toluene-d8	10.09	98	558439	50.30	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.60%		
62) 4-Bromofluorobenzene	12.40	95	192957	50.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.36%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	85288	43.080	ug/l	99
3) Chloromethane	2.06	50	127829	46.085	ug/l	99
4) Vinyl Chloride	2.18	62	137196	46.373	ug/l	100
5) Bromomethane	2.52	94	91790	49.592	ug/l	99
6) Chloroethane	2.68	64	90828	50.992	ug/l	100
7) Trichlorofluoromethane	3.00	101	187732	48.400	ug/l	99
8) Diethyl Ether	3.40	74	87077	50.089	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	115492	47.700	ug/l	100
10) Methyl Iodide	3.94	142	182732	51.621	ug/l	100
11) Tert butyl alcohol	4.82	59	138215	238.124	ug/l	98
12) 1,1-Dichloroethene	3.72	96	121113	48.411	ug/l	99
13) Acrolein	3.60	56	85872	206.614	ug/l	97
14) Allyl chloride	4.31	41	196677	45.859	ug/l	99
15) Acrylonitrile	4.99	53	363022	272.370	ug/l	100
16) Acetone	3.82	43	293162	219.535	ug/l	99
17) Carbon Disulfide	4.04	76	262008	36.862	ug/l	100
18) Methyl Acetate	4.33	43	160623	59.404	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	431963	51.771	ug/l	98
20) Methylene Chloride	4.54	84	147042	50.845	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	132050	49.131	ug/l	97
22) Diisopropyl ether	5.95	45	447127	53.603	ug/l	99
23) Vinyl Acetate	5.90	43	1792481	250.632	ug/l	100
24) 1,1-Dichloroethane	5.84	63	249775	51.429	ug/l	100
25) 2-Butanone	6.84	43	475114	254.758	ug/l	100
26) 2,2-Dichloropropane	6.82	77	122102	29.050	ug/l	96
27) cis-1,2-Dichloroethene	6.83	96	162049	51.679	ug/l	95
28) Bromochloromethane	7.19	49	123510	53.414	ug/l	100
29) Tetrahydrofuran	7.21	42	314472	266.270	ug/l	99
30) Chloroform	7.37	83	255224	52.695	ug/l	100
31) Cyclohexane	7.65	56	210850	46.242	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	210589	48.723	ug/l	100
36) 1,1-Dichloropropene	7.79	75	180584	45.264	ug/l	99
37) Ethyl Acetate	6.93	43	195672	50.745	ug/l	99
38) Carbon Tetrachloride	7.77	117	175715	42.283	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	205619	41.620	ug/l	99
40) Benzene	8.04	78	583950	48.566	ug/l	100
41) Methacrylonitrile	7.17	41	94991	48.762	ug/l	98
42) 1,2-Dichloroethane	8.12	62	189374	48.199	ug/l	99
43) Isopropyl Acetate	8.17	43	312239	48.195	ug/l	99
44) Trichloroethene	8.83	130	161758	48.256	ug/l	99
45) 1,2-Dichloropropane	9.12	63	155670	49.691	ug/l	99
46) Dibromomethane	9.21	93	101856	49.577	ug/l	98
47) Bromodichloromethane	9.40	83	193528	45.938	ug/l	98
48) Methyl methacrylate	9.20	41	151517	50.745	ug/l	98
49) 1,4-Dioxane	9.20	88	62453	1006.515	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	972722	254.219	ug/l	100
52) Toluene	10.16	92	371172	49.083	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	191976	42.691	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	218476	43.856	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	152385	50.300	ug/l	99
56) Ethyl methacrylate	10.43	69	233731	49.921	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249162	50.598	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	437106	244.293	ug/l	100
59) 2-Hexanone	10.75	43	660333	243.269	ug/l	99
60) Dibromochloromethane	10.90	129	161790	45.843	ug/l	99
61) 1,2-Dibromoethane	11.00	107	157431	50.100	ug/l	98
64) Tetrachloroethene	10.63	164	171042	49.521	ug/l	99
65) Chlorobenzene	11.43	112	397375	48.472	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	148197	45.324	ug/l	99
67) Ethyl Benzene	11.51	91	701947	47.746	ug/l	99
68) m/p-Xylenes	11.62	106	535235	96.302	ug/l	99
69) o-Xylene	11.95	106	265695	48.184	ug/l	100
70) Styrene	11.96	104	438513	49.107	ug/l	100
71) Bromoform	12.13	173	111416	39.949	ug/l #	99
73) Isopropylbenzene	12.25	105	697530	54.591	ug/l	100
74) N-amyl acetate	12.07	43	252096	51.672	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	208491	55.190	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	172465m	55.881	ug/l	
77) Bromobenzene	12.53	156	191384	49.706	ug/l	94
78) n-propylbenzene	12.59	91	736210	46.946	ug/l	100
79) 2-Chlorotoluene	12.67	91	450463	53.506	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	572550	53.158	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47585	35.484	ug/l	91
82) 4-Chlorotoluene	12.77	91	434479	47.132	ug/l	100
83) tert-Butylbenzene	12.99	119	501427	53.932	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	567115	52.706	ug/l	99
85) sec-Butylbenzene	13.17	105	646375	53.375	ug/l	100
86) p-Isopropyltoluene	13.29	119	581855	46.435	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	293374	48.120	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	279392	48.201	ug/l	100
89) n-Butylbenzene	13.61	91	445751	46.428	ug/l	100
90) Hexachloroethane	13.87	117	93865	39.356	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	290317	47.729	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34372	42.993	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	146839	42.544	ug/l	99
94) Hexachlorobutadiene	15.01	225	98122	45.680	ug/l	99
95) Naphthalene	15.13	128	438568	52.544	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	163071	50.717	ug/l	99

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

