

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072619\
 Data File : VN056936.D
 Acq On : 25 Jul 2019 22:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/26/2019 3:38:05 PM

Quant Time: Jul 26 04:49:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 26 04:10:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	428868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	645791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	581065	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	249055	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	243037	54.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.52%	
35) Dibromofluoromethane	7.58	113	225159	54.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.30%	
50) Toluene-d8	10.08	98	856034	54.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.42%	
62) 4-Bromofluorobenzene	12.40	95	282737	55.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.68%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.84	85	268488	53.354	ug/l	100
3) Chloromethane	2.05	50	302610	54.747	ug/l	99
4) Vinyl Chloride	2.17	62	288787	55.486	ug/l	98
5) Bromomethane	2.54	94	173149	55.000	ug/l	99
6) Chloroethane	2.68	64	155605	53.860	ug/l	97
7) Trichlorofluoromethane	3.00	101	368774	54.364	ug/l	100
8) Diethyl Ether	3.39	74	141182	55.576	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	220003	52.782	ug/l	99
10) Methyl Iodide	3.93	142	337161	55.051	ug/l	100
11) Tert butyl alcohol	4.77	59	163668	255.651	ug/l	99
12) 1,1-Dichloroethene	3.72	96	222855	55.373	ug/l	98
13) Acrolein	3.59	56	89936	250.678	ug/l	99
14) Allyl chloride	4.30	41	351246	53.788	ug/l	99
15) Acrylonitrile	4.96	53	515696	279.913	ug/l	100
16) Acetone	3.80	43	377523	249.111	ug/l	100
17) Carbon Disulfide	4.03	76	575230	53.066	ug/l	99
18) Methyl Acetate	4.30	43	276035	52.026	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	668064	56.452	ug/l	100
20) Methylene Chloride	4.53	84	254071	52.941	ug/l	99
21) trans-1,2-Dichloroethene	5.02	96	233846	54.298	ug/l	98
22) Diisopropyl ether	5.93	45	744614	55.992	ug/l	98
23) Vinyl Acetate	5.87	43	2630042	287.099	ug/l	100
24) 1,1-Dichloroethane	5.83	63	427351	54.696	ug/l	99
25) 2-Butanone	6.82	43	620045	265.800	ug/l	100
26) 2,2-Dichloropropane	6.81	77	273085	47.626	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	268574	54.648	ug/l	99
28) Bromochloromethane	7.18	49	199808	55.414	ug/l	98
29) Tetrahydrofuran	7.19	42	428692	280.455	ug/l	100
30) Chloroform	7.36	83	422834	52.549	ug/l	99
31) Cyclohexane	7.64	56	399985	52.607	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	353169	54.805	ug/l	99
36) 1,1-Dichloropropene	7.78	75	316820	53.660	ug/l	99
37) Ethyl Acetate	6.91	43	261209	54.597	ug/l	99
38) Carbon Tetrachloride	7.76	117	306387	54.557	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	400017	55.591	ug/l	99
40) Benzene	8.03	78	990703	53.810	ug/l	99
41) Methacrylonitrile	7.16	41	126047m	59.905	ug/l	
42) 1,2-Dichloroethane	8.11	62	304693	53.581	ug/l	99
43) Isopropyl Acetate	8.15	43	426284	54.157	ug/l #	91
44) Trichloroethene	8.82	130	272229	54.200	ug/l	100
45) 1,2-Dichloropropane	9.11	63	265226	53.604	ug/l	99
46) Dibromomethane	9.20	93	163850	54.931	ug/l	99
47) Bromodichloromethane	9.39	83	313747	53.863	ug/l	98
48) Methyl methacrylate	9.19	41	211192	55.893	ug/l	99
49) 1,4-Dioxane	9.19	88	86490	1093.149	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	1287132	275.034	ug/l	100
52) Toluene	10.15	92	612476	55.466	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	326039	55.518	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	378650	54.769	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	235134	53.133	ug/l	99
56) Ethyl methacrylate	10.42	69	341868	57.457	ug/l	100
57) 1,3-Dichloropropane	10.70	76	392837	54.238	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	670980	249.445	ug/l	99
59) 2-Hexanone	10.74	43	894926	278.933	ug/l	99
60) Dibromochloromethane	10.90	129	249662	55.527	ug/l	100
61) 1,2-Dibromoethane	11.00	107	242086	55.111	ug/l	99
64) Tetrachloroethene	10.62	164	284847	53.667	ug/l	99
65) Chlorobenzene	11.43	112	659995	54.289	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	242007	53.527	ug/l	97
67) Ethyl Benzene	11.50	91	1152750	55.073	ug/l	100
68) m/p-Xylenes	11.61	106	854636	109.498	ug/l	98
69) o-Xylene	11.94	106	420609	55.072	ug/l	100
70) Styrene	11.96	104	702668	52.662	ug/l	99
71) Bromoform	12.12	173	174101	55.441	ug/l #	99
73) Isopropylbenzene	12.24	105	1121531	57.370	ug/l	99
74) N-amyl acetate	12.06	43	352794	53.017	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	302814	56.700	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	275440m	58.288	ug/l	
77) Bromobenzene	12.52	156	290294	50.117	ug/l	99
78) n-propylbenzene	12.59	91	1234013	51.546	ug/l	100
79) 2-Chlorotoluene	12.67	91	736115	56.735	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	944003	50.431	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.29	75	82040	51.889	ug/l	99
82) 4-Chlorotoluene	12.77	91	718203	52.450	ug/l	99
83) tert-Butylbenzene	12.99	119	810354	57.469	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	932321	52.597	ug/l	99
85) sec-Butylbenzene	13.17	105	1063666	51.002	ug/l	100
86) p-Isopropyltoluene	13.28	119	957598	51.962	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	465590	53.722	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	445115	53.636	ug/l	99
89) n-Butylbenzene	13.61	91	764929	53.741	ug/l	100
90) Hexachloroethane	13.87	117	159647	55.093	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	461392	52.559	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.26	75	47632	53.439	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	215441	47.349	ug/l	100
94) Hexachlorobutadiene	15.00	225	166784	56.466	ug/l	99
95) Naphthalene	15.12	128	575131	48.940	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	239542	50.294	ug/l	97

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

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