

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN072219\
 Data File : VN056867.D
 Acq On : 22 Jul 2019 20:37
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 7/25/2019 3:01:55 PM

Quant Time: Jul 23 03:33:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 23 01:46:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	346509	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	524756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	467587	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	206966	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	190298	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
35) Dibromofluoromethane	7.59	113	170415	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
50) Toluene-d8	10.09	98	653012	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.40	95	217278	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	212096	50.081	ug/l	99
3) Chloromethane	2.06	50	237384	49.087	ug/l	98
4) Vinyl Chloride	2.18	62	226763	51.043	ug/l	100
5) Bromomethane	2.55	94	127928	47.342	ug/l	98
6) Chloroethane	2.70	64	122040	50.128	ug/l	99
7) Trichlorofluoromethane	3.01	101	269165	49.593	ug/l	99
8) Diethyl Ether	3.41	74	100954	49.920	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.74	101	167300	49.843	ug/l	99
10) Methyl Iodide	3.94	142	248259	52.609	ug/l	99
11) Tert butyl alcohol	4.81	59	147229	280.414	ug/l	98
12) 1,1-Dichloroethene	3.73	96	167789	49.898	ug/l	97
13) Acrolein	3.60	56	107394	245.830	ug/l	99
14) Allyl chloride	4.31	41	279655	50.586	ug/l	99
15) Acrylonitrile	4.99	53	421352	266.700	ug/l	99
16) Acetone	3.82	43	313942	235.874	ug/l	99
17) Carbon Disulfide	4.04	76	451125	49.153	ug/l	99
18) Methyl Acetate	4.33	43	237724	54.666	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	509869	51.322	ug/l	98
20) Methylene Chloride	4.54	84	193294	48.569	ug/l	98
21) trans-1,2-Dichloroethene	5.03	96	176975	50.384	ug/l	96
22) Diisopropyl ether	5.96	45	579936	51.889	ug/l	99
23) Vinyl Acetate	5.90	43	2123531	263.031	ug/l	100
24) 1,1-Dichloroethane	5.84	63	329567	50.896	ug/l	100
25) 2-Butanone	6.84	43	520238	265.921	ug/l	99
26) 2,2-Dichloropropane	6.82	77	215604	47.584	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	204320	50.739	ug/l	99
28) Bromochloromethane	7.19	49	150230	51.111	ug/l	99
29) Tetrahydrofuran	7.22	42	359503	267.272	ug/l	100
30) Chloroform	7.37	83	324737	50.026	ug/l	98
31) Cyclohexane	7.65	56	308809	49.155	ug/l	99
32) 1,1,1-Trichloroethane	7.57	97	270119	51.437	ug/l	100
36) 1,1-Dichloropropene	7.79	75	243860	50.392	ug/l	99
37) Ethyl Acetate	6.93	43	214541	54.975	ug/l	99
38) Carbon Tetrachloride	7.77	117	233260	50.634	ug/l	99

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39) Methylcyclohexane	9.08	83	306167	50.559	ug/l	99
40) Benzene	8.04	78	764010	50.826	ug/l	100
41) Methacrylonitrile	7.18	41	93565	48.288	ug/l	92
42) 1,2-Dichloroethane	8.12	62	238924	50.869	ug/l	100
43) Isopropyl Acetate	8.17	43	350888	52.302	ug/l	99
44) Trichloroethene	8.83	130	203867	50.638	ug/l	99
45) 1,2-Dichloropropane	9.12	63	205871	50.839	ug/l	100
46) Dibromomethane	9.21	93	128371	51.359	ug/l	99
47) Bromodichloromethane	9.40	83	246286	52.396	ug/l	96
48) Methyl methacrylate	9.20	41	177784	52.973	ug/l	100
49) 1,4-Dioxane	9.20	88	70434	1069.920	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1076037	268.965	ug/l	99
52) Toluene	10.15	92	470269	51.989	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	257426	53.361	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	296868	52.197	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	183898	51.221	ug/l	99
56) Ethyl methacrylate	10.43	69	275597	55.296	ug/l	97
57) 1,3-Dichloropropane	10.71	76	308223	51.864	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	573373	244.464	ug/l	100
59) 2-Hexanone	10.75	43	756609	273.221	ug/l	100
60) Dibromochloromethane	10.90	129	193211	53.630	ug/l	99
61) 1,2-Dibromoethane	11.00	107	188999	53.005	ug/l	99
64) Tetrachloroethene	10.63	164	211063	52.616	ug/l	99
65) Chlorobenzene	11.43	112	498798	51.333	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	187564	51.201	ug/l	99
67) Ethyl Benzene	11.51	91	878567	52.375	ug/l	99
68) m/p-Xylenes	11.62	106	659640	105.040	ug/l	99
69) o-Xylene	11.95	106	321818	52.495	ug/l	98
70) Styrene	11.96	104	542382	50.414	ug/l	100
71) Bromoform	12.12	173	137054	53.988	ug/l #	98
73) Isopropylbenzene	12.25	105	860784	55.170	ug/l	100
74) N-amyl acetate	12.07	43	301061	49.543	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	243833	54.653	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	210948m	49.181	ug/l	
77) Bromobenzene	12.53	156	223367	49.478	ug/l	99
78) n-propylbenzene	12.59	91	948016	49.834	ug/l	99
79) 2-Chlorotoluene	12.67	91	560957	53.872	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	718196	54.373	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	70485	52.632	ug/l	99
82) 4-Chlorotoluene	12.77	91	548711	48.481	ug/l	99
83) tert-Butylbenzene	12.99	119	614245	53.594	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	711824	49.644	ug/l	99
85) sec-Butylbenzene	13.17	105	809733	48.056	ug/l	99
86) p-Isopropyltoluene	13.29	119	729234	48.581	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	360232	49.780	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	348637	49.592	ug/l	99
89) n-Butylbenzene	13.61	91	591620	51.262	ug/l	100
90) Hexachloroethane	13.87	117	123716	47.207	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	355393	48.861	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	38475	48.585	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	172569	44.625	ug/l	99
94) Hexachlorobutadiene	15.01	225	125736	51.935	ug/l	99
95) Naphthalene	15.13	128	459372	45.929	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	185330	46.603	ug/l	100

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

