

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058772.D
 Acq On : 15 Oct 2019 10:43
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:42:30 AM

Quant Time: Oct 16 04:26:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	435661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	702620	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	641786	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317576	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	305120	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.06%		
35) Dibromofluoromethane	7.57	113	219988	50.69	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.38%		
50) Toluene-d8	10.08	98	870314	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery =	100.30%		
62) 4-Bromofluorobenzene	12.40	95	325560	49.56	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.12%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	281335	51.850	ug/l	100
3) Chloromethane	2.04	50	324740	50.331	ug/l	99
4) Vinyl Chloride	2.17	62	332181	51.692	ug/l	100
5) Bromomethane	2.54	94	201667	51.588	ug/l	100
6) Chloroethane	2.68	64	203620	51.371	ug/l	99
7) Trichlorofluoromethane	3.00	101	404041	52.536	ug/l	99
8) Diethyl Ether	3.39	74	145382	51.163	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	219476	50.050	ug/l	98
10) Methyl Iodide	3.93	142	298132	49.821	ug/l	100
11) Tert butyl alcohol	4.76	59	266426	269.724	ug/l	99
12) 1,1-Dichloroethene	3.71	96	214010	51.151	ug/l	93
13) Acrolein	3.58	56	191534	241.099	ug/l	99
14) Allyl chloride	4.30	41	432102	51.176	ug/l	99
15) Acrylonitrile	4.96	53	685911	275.355	ug/l	100
16) Acetone	3.79	43	746178	295.513	ug/l	100
17) Carbon Disulfide	4.03	76	652770	48.809	ug/l	100
18) Methyl Acetate	4.30	43	345418	53.930	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	780006	52.209	ug/l	98
20) Methylene Chloride	4.53	84	248959	47.176	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	236162	50.462	ug/l	98
22) Diisopropyl ether	5.93	45	866945	52.809	ug/l	98
23) Vinyl Acetate	5.87	43	3760660	283.893	ug/l	100
24) 1,1-Dichloroethane	5.82	63	477593	51.080	ug/l	99
25) 2-Butanone	6.81	43	1029885	282.187	ug/l	99
26) 2,2-Dichloropropane	6.80	77	428578	50.215	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	269286	49.343	ug/l	98
28) Bromochloromethane	7.18	49	164522	50.579	ug/l	99
29) Tetrahydrofuran	7.19	42	646022	273.909	ug/l	100
30) Chloroform	7.35	83	469886	50.021	ug/l	100
31) Cyclohexane	7.63	56	434347	48.551	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	411781	51.400	ug/l	99
36) 1,1-Dichloropropene	7.77	75	359904	50.662	ug/l	99
37) Ethyl Acetate	6.91	43	404084	56.244	ug/l	98
38) Carbon Tetrachloride	7.75	117	359889	51.980	ug/l	97

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39) Methylcyclohexane	9.07	83	417830	50.687	ug/l	98
40) Benzene	8.02	78	1045506	51.244	ug/l	99
41) Methacrylonitrile	7.16	41	184466m	54.850	ug/l	
42) 1,2-Dichloroethane	8.11	62	396572	50.594	ug/l	100
43) Isopropyl Acetate	8.15	43	655001	53.517	ug/l	99
44) Trichloroethene	8.82	130	255133	50.356	ug/l	99
45) 1,2-Dichloropropane	9.11	63	283090	51.831	ug/l	98
46) Dibromomethane	9.20	93	181731	52.480	ug/l	99
47) Bromodichloromethane	9.39	83	375349	53.229	ug/l	99
48) Methyl methacrylate	9.19	41	300576	54.178	ug/l	99
49) 1,4-Dioxane	9.19	88	91940	1071.207	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2024292	294.501	ug/l	100
52) Toluene	10.15	92	639311	51.233	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	433115	53.553	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	456093	53.114	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	253052	49.546	ug/l	98
56) Ethyl methacrylate	10.43	69	416331	55.797	ug/l	99
57) 1,3-Dichloropropane	10.70	76	449654	51.664	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	996720	277.184	ug/l	100
59) 2-Hexanone	10.75	43	1568297	295.238	ug/l	100
60) Dibromochloromethane	10.90	129	281327	53.396	ug/l	99
61) 1,2-Dibromoethane	11.00	107	267245	52.229	ug/l	100
64) Tetrachloroethene	10.63	164	224395	49.961	ug/l	97
65) Chlorobenzene	11.43	112	670465	51.442	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	255900	53.098	ug/l	100
67) Ethyl Benzene	11.51	91	1265427	54.467	ug/l	100
68) m/p-Xylenes	11.62	106	933326	107.049	ug/l	99
69) o-Xylene	11.95	106	442260	52.428	ug/l	99
70) Styrene	11.96	104	745082	53.891	ug/l	99
71) Bromoform	12.13	173	199531	56.483	ug/l	100
73) Isopropylbenzene	12.25	105	1227120	53.354	ug/l	100
74) N-amyl acetate	12.07	43	573341	55.503	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	399345	52.707	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	381662m	54.783	ug/l	
77) Bromobenzene	12.53	156	284601	50.874	ug/l	99
78) n-propylbenzene	12.59	91	1463915	54.623	ug/l	99
79) 2-Chlorotoluene	12.68	91	849599	51.075	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1054031	53.679	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	144615	55.603	ug/l	99
82) 4-Chlorotoluene	12.78	91	889346	52.101	ug/l	100
83) tert-Butylbenzene	13.00	119	897257	53.340	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1062531	54.508	ug/l	99
85) sec-Butylbenzene	13.17	105	1218528	54.975	ug/l	99
86) p-Isopropyltoluene	13.29	119	1096483	54.430	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	525837	50.968	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	524645	50.016	ug/l	99
89) n-Butylbenzene	13.62	91	1001613	53.772	ug/l	100
90) Hexachloroethane	13.88	117	197258	54.725	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	514855	51.202	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	87233	49.282	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	309671	50.485	ug/l	99
94) Hexachlorobutadiene	15.01	225	162913	50.435	ug/l	99
95) Naphthalene	15.13	128	920503	52.217	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	301477	50.342	ug/l	99

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

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