

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059142.D
 Acq On : 8 Nov 2019 18:27
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/11/2019 10:35:24 AM

Quant Time: Nov 11 02:32:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	523957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	844037	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	772909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	375796	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	326588	50.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.42%	
35) Dibromofluoromethane	7.57	113	255526	50.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.40%	
50) Toluene-d8	10.08	98	1009678	50.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.72%	
62) 4-Bromofluorobenzene	12.40	95	391082	54.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	239371	45.343	ug/l	100
3) Chloromethane	2.04	50	321375	44.784	ug/l	100
4) Vinyl Chloride	2.17	62	322493	46.353	ug/l	100
5) Bromomethane	2.53	94	174826m	43.666	ug/l	
6) Chloroethane	2.67	64	192226	46.707	ug/l	99
7) Trichlorofluoromethane	2.99	101	398625	47.902	ug/l	99
8) Diethyl Ether	3.39	74	173755	51.387	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	245832	48.995	ug/l	98
10) Methyl Iodide	3.92	142	305828	49.243	ug/l	99
11) Tert butyl alcohol	4.75	59	298552	243.225	ug/l	100
12) 1,1-Dichloroethene	3.71	96	243361	49.790	ug/l	100
13) Acrolein	3.58	56	141555	223.675	ug/l	99
14) Allyl chloride	4.29	41	478871	47.696	ug/l	99
15) Acrylonitrile	4.95	53	791757	259.188	ug/l	98
16) Acetone	3.79	43	765105	228.435	ug/l	98
17) Carbon Disulfide	4.02	76	678955	44.749	ug/l	100
18) Methyl Acetate	4.29	43	406092	51.081	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	884918	52.587	ug/l	99
20) Methylene Chloride	4.52	84	286595	49.116	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	258394	49.251	ug/l	96
22) Diisopropyl ether	5.92	45	953677	50.289	ug/l	99
23) Vinyl Acetate	5.86	43	3989163	271.418	ug/l	99
24) 1,1-Dichloroethane	5.82	63	527366	49.789	ug/l	99
25) 2-Butanone	6.81	43	1108473	251.114	ug/l	98
26) 2,2-Dichloropropane	6.80	77	443264	47.860	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	306242	50.313	ug/l	99
28) Bromochloromethane	7.17	49	151071	47.407	ug/l	98
29) Tetrahydrofuran	7.18	42	703277	250.741	ug/l	97
30) Chloroform	7.35	83	502259	49.432	ug/l	100
31) Cyclohexane	7.63	56	473556	47.227	ug/l	99
32) 1,1,1-Trichloroethane	7.54	97	436538	51.102	ug/l	100
36) 1,1-Dichloropropene	7.77	75	388047	49.187	ug/l	99
37) Ethyl Acetate	6.90	43	435834	49.659	ug/l	99
38) Carbon Tetrachloride	7.75	117	379889	48.379	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	468087	51.122	ug/l	98
40) Benzene	8.02	78	1164892	49.033	ug/l	100
41) Methacrylonitrile	7.15	41	198172m	51.926	ug/l	
42) 1,2-Dichloroethane	8.10	62	401480	49.273	ug/l	100
43) Isopropyl Acetate	8.14	43	703136	50.252	ug/l	99
44) Trichloroethene	8.82	130	291490	49.913	ug/l	99
45) 1,2-Dichloropropane	9.10	63	317572	49.214	ug/l	98
46) Dibromomethane	9.19	93	195695	48.667	ug/l	99
47) Bromodichloromethane	9.39	83	397981	49.565	ug/l	97
48) Methyl methacrylate	9.18	41	322393	51.512	ug/l	98
49) 1,4-Dioxane	9.18	88	102469	921.277	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	2169614	274.042	ug/l	99
52) Toluene	10.14	92	719569	50.533	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	482170	51.976	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	509963	51.105	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	285368	49.519	ug/l	99
56) Ethyl methacrylate	10.42	69	485015	50.443	ug/l	99
57) 1,3-Dichloropropane	10.70	76	505889	51.005	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	935340	291.640	ug/l	99
59) 2-Hexanone	10.74	43	1660919	273.325	ug/l	98
60) Dibromochloromethane	10.90	129	308495	50.631	ug/l	99
61) 1,2-Dibromoethane	11.00	107	297755	51.039	ug/l	99
64) Tetrachloroethene	10.62	164	252315	48.008	ug/l	99
65) Chlorobenzene	11.43	112	767227	50.921	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	283928	50.235	ug/l	100
67) Ethyl Benzene	11.51	91	1418974	53.081	ug/l	98
68) m/p-Xylenes	11.62	106	1052003	105.057	ug/l	99
69) o-Xylene	11.94	106	511456	52.852	ug/l	98
70) Styrene	11.96	104	862770	56.688	ug/l	99
71) Bromoform	12.12	173	224735	51.119	ug/l #	99
73) Isopropylbenzene	12.25	105	1373365	50.241	ug/l	100
74) N-amyl acetate	12.07	43	628781	54.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	440362	47.305	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	414277m	48.422	ug/l	
77) Bromobenzene	12.53	156	336113	48.940	ug/l	97
78) n-propylbenzene	12.59	91	1615920	51.628	ug/l	100
79) 2-Chlorotoluene	12.67	91	956843	49.280	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1180376	50.960	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	168448	52.003	ug/l	97
82) 4-Chlorotoluene	12.77	91	974150	50.022	ug/l	98
83) tert-Butylbenzene	12.99	119	975544	48.770	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1171764	52.288	ug/l	99
85) sec-Butylbenzene	13.17	105	1328615	51.072	ug/l	100
86) p-Isopropyltoluene	13.29	119	1219596	53.095	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	590510	50.211	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	590835	50.212	ug/l	99
89) n-Butylbenzene	13.62	91	1090908	54.262	ug/l	100
90) Hexachloroethane	13.88	117	215809	46.788	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	577430	49.912	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	97943	52.734	ug/l #	1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	364035	51.750	ug/l	98
94) Hexachlorobutadiene	15.01	225	182661	45.791	ug/l	99
95) Naphthalene	15.13	128	1172443	59.585	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	359233	55.407	ug/l	98

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

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