

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021919\
 Data File : VN053868.D
 Acq On : 19 Feb 2019 15:52
 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
 2/20/2019 10:15:04 AM

Quant Time: Feb 20 03:46:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	642006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	922329	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	797808	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	411967	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	292627	45.44	ug/l	0.00
Spiked Amount			Recovery	=	90.88%	
35) Dibromofluoromethane	7.59	113	281305	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
50) Toluene-d8	10.09	98	1017372	46.49	ug/l	0.00
Spiked Amount			Recovery	=	92.98%	
62) 4-Bromofluorobenzene	12.40	95	350512	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	296015	40.960	ug/l	100
3) Chloromethane	2.06	50	312680	41.024	ug/l	100
4) Vinyl Chloride	2.19	62	335805	45.386	ug/l	99
5) Bromomethane	2.57	94	243385	50.310	ug/l	98
6) Chloroethane	2.71	64	225652	53.369	ug/l	100
7) Trichlorofluoromethane	3.02	101	507455	50.576	ug/l	99
8) Diethyl Ether	3.41	74	162314	44.296	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	307115	49.493	ug/l	98
10) Methyl Iodide	3.95	142	432654	44.423	ug/l	100
11) Tert butyl alcohol	4.77	59	84151	220.771	ug/l	99
12) 1,1-Dichloroethene	3.74	96	270513	45.502	ug/l	98
13) Acrolein	3.61	56	48181	232.164	ug/l	97
14) Allyl chloride	4.32	41	401964	42.464	ug/l	94
15) Acrylonitrile	4.98	53	471270	229.023	ug/l	99
16) Acetone	3.81	43	406663	246.161	ug/l	99
17) Carbon Disulfide	4.06	76	696028	37.599	ug/l	99
18) Methyl Acetate	4.32	43	249433	50.983	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	730171	48.448	ug/l	99
20) Methylene Chloride	4.55	84	311696	44.972	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	289256	45.098	ug/l	98
22) Diisopropyl ether	5.95	45	862145	49.154	ug/l	97
23) Vinyl Acetate	5.89	43	2742614	226.034	ug/l	97
24) 1,1-Dichloroethane	5.85	63	549135	46.940	ug/l	99
25) 2-Butanone	6.83	43	531778	225.699	ug/l	97
26) 2,2-Dichloropropane	6.82	77	441258	49.411	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	343352	48.142	ug/l	98
28) Bromochloromethane	7.19	49	208145	40.999	ug/l	93
29) Tetrahydrofuran	7.20	42	329809	217.991	ug/l	97
30) Chloroform	7.37	83	567415	48.928	ug/l	99
31) Cyclohexane	7.65	56	476937	43.767	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	484494	50.201	ug/l	99
36) 1,1-Dichloropropene	7.79	75	446443	53.696	ug/l	99
37) Ethyl Acetate	6.92	43	216405	46.604	ug/l	99
38) Carbon Tetrachloride	7.77	117	442162	52.791	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	500843	50.775	ug/l	98
40) Benzene	8.04	78	1345614	52.483	ug/l	99
41) Methacrylonitrile	7.18	41	147506m	56.837	ug/l	
42) 1,2-Dichloroethane	8.12	62	393326	51.667	ug/l	99
43) Isopropyl Acetate	8.16	43	425915	47.495	ug/l #	89
44) Trichloroethene	8.83	130	361464	49.521	ug/l	99
45) 1,2-Dichloropropane	9.12	63	336369	51.293	ug/l	99
46) Dibromomethane	9.21	93	193935	49.059	ug/l	98
47) Bromodichloromethane	9.40	83	429968	52.312	ug/l	99
48) Methyl methacrylate	9.20	41	189731	44.323	ug/l	92
49) 1,4-Dioxane	9.19	88	57569	930.947	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1068891	242.559	ug/l	99
52) Toluene	10.15	92	774376	50.890	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	424489	51.576	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	501457	51.416	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	283593	51.721	ug/l	98
56) Ethyl methacrylate	10.43	69	326418	50.322	ug/l	98
57) 1,3-Dichloropropane	10.71	76	466032	49.731	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	709530	178.735	ug/l	98
59) 2-Hexanone	10.75	43	697326	233.095	ug/l	98
60) Dibromochloromethane	10.90	129	330168	53.397	ug/l	99
61) 1,2-Dibromoethane	11.00	107	264133	48.670	ug/l	99
64) Tetrachloroethene	10.63	164	361321	52.833	ug/l	97
65) Chlorobenzene	11.43	112	881622	52.024	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	327683	55.368	ug/l	99
67) Ethyl Benzene	11.51	91	1460275	52.457	ug/l	99
68) m/p-Xylenes	11.62	106	1148289	108.079	ug/l	98
69) o-Xylene	11.95	106	555840	54.153	ug/l	98
70) Styrene	11.96	104	910911	54.753	ug/l	100
71) Bromoform	12.12	173	225056	55.467	ug/l #	99
73) Isopropylbenzene	12.25	105	1479415	51.083	ug/l	99
74) N-amyl acetate	12.07	43	320596	46.036	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	312239	45.049	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	298439m	56.400	ug/l	
77) Bromobenzene	12.53	156	385794	49.428	ug/l	97
78) n-propylbenzene	12.59	91	1744646	52.112	ug/l	100
79) 2-Chlorotoluene	12.67	91	1009096	50.804	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1282566	53.406	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	88654	47.111	ug/l	97
82) 4-Chlorotoluene	12.77	91	1031282	50.599	ug/l	100
83) tert-Butylbenzene	12.99	119	1132576	53.359	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1299651	53.118	ug/l	100
85) sec-Butylbenzene	13.17	105	1577808	54.626	ug/l	100
86) p-Isopropyltoluene	13.29	119	1431225	56.657	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	744953	53.094	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	720684	51.925	ug/l	100
89) n-Butylbenzene	13.61	91	1260679	57.657	ug/l	99
90) Hexachloroethane	13.87	117	253504	60.839	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	746706	55.590	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	47828	48.419	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	403864	52.423	ug/l	99
94) Hexachlorobutadiene	15.01	225	297738	62.059	ug/l	100
95) Naphthalene	15.13	128	708726	39.539	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	375397	52.516	ug/l	99

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

