

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030619\
 Data File : VN054110.D
 Acq On : 6 Mar 2019 10:09
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 3/7/2019 11:37:55 AM

Quant Time: Mar 07 05:55:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 05:44:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	599305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	986661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	800044	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270155	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	7577	1.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.10%	
35) Dibromofluoromethane	7.59	113	6681	1.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.08%	
50) Toluene-d8	10.09	98	21088	0.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.74%	
62) 4-Bromofluorobenzene	12.40	95	6425	0.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	7069	1.227	ug/l	98
3) Chloromethane	2.05	50	8998	1.090	ug/l	98
4) Vinyl Chloride	2.18	62	8652	1.109	ug/l	97
5) Bromomethane	2.57	94	5794	1.145	ug/l	95
6) Chloroethane	2.71	64	5795	1.225	ug/l	100
7) Trichlorofluoromethane	3.02	101	10783	1.131	ug/l	100
8) Diethyl Ether	3.41	74	3555	0.936	ug/l	73
9) 1,1,2-Trichlorotrifluoroet	3.75	101	7182	1.158	ug/l #	90
10) Methyl Iodide	3.95	142	5021	0.763	ug/l	99
11) Tert butyl alcohol	4.79	59	731	1.669	ug/l #	72
12) 1,1-Dichloroethene	3.74	96	6514	1.126	ug/l	87
13) Acrolein	3.62	56	771	2.002	ug/l #	78
14) Allyl chloride	4.32	41	11143	1.069	ug/l #	84
15) Acrylonitrile	5.00	53	11035	4.465	ug/l #	91
16) Acetone	3.82	43	12556	5.639	ug/l	89
17) Carbon Disulfide	4.05	76	20092	1.065	ug/l	99
18) Methyl Acetate	4.34	43	5982	1.054	ug/l #	90
19) Methyl tert-butyl Ether	5.04	73	14213	0.875	ug/l	100
20) Methylene Chloride	4.55	84	8583	1.213	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	6469	1.018	ug/l	95
22) Diisopropyl ether	5.95	45	15834	0.779	ug/l #	83
23) Vinyl Acetate	5.90	43	58149	4.030	ug/l	98
24) 1,1-Dichloroethane	5.85	63	13074	1.076	ug/l #	94
25) 2-Butanone	6.85	43	12405	4.206	ug/l #	88
26) 2,2-Dichloropropane	6.82	77	8729	0.996	ug/l	76
27) cis-1,2-Dichloroethene	6.81	96	3091	0.436	ug/l #	1
28) Bromochloromethane	7.20	49	5869	0.968	ug/l #	96
29) Tetrahydrofuran	7.21	42	4836	2.502	ug/l #	67
30) Chloroform	7.36	83	12257	1.053	ug/l	95
31) Cyclohexane	7.66	56	21340	1.617	ug/l #	43
32) 1,1,1-Trichloroethane	7.57	97	10194	1.056	ug/l #	51
36) 1,1-Dichloropropene	7.79	75	9873	1.066	ug/l #	77
37) Ethyl Acetate	6.94	43	4958	0.747	ug/l #	70
38) Carbon Tetrachloride	7.77	117	10188	1.152	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	10732	1.004	ug/l	91
40) Benzene	8.04	78	27455	1.002	ug/l	97
41) Methacrylonitrile	7.18	41	2818	0.698	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	9210	1.061	ug/l	88
43) Isopropyl Acetate	8.18	43	8967	0.869	ug/l #	53
44) Trichloroethene	8.83	130	7699	1.048	ug/l	93
45) 1,2-Dichloropropane	9.11	63	7335	0.971	ug/l	91
46) Dibromomethane	9.21	93	4355	1.009	ug/l	95
47) Bromodichloromethane	9.40	83	9030	1.000	ug/l	98
48) Methyl methacrylate	9.20	41	5291	1.038	ug/l	84
49) 1,4-Dioxane	9.20	88	1310	19.454	ug/l #	50
51) 4-Methyl-2-Pentanone	9.99	43	21788	3.685	ug/l	98
52) Toluene	10.16	92	14993	0.924	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	7590	0.852	ug/l #	84
54) cis-1,3-Dichloropropene	9.84	75	8830	0.839	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	5903	0.966	ug/l	96
56) Ethyl methacrylate	10.43	69	5116	0.713	ug/l	87
57) 1,3-Dichloropropane	10.71	76	9882	0.948	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	10065	3.064	ug/l	98
59) 2-Hexanone	10.75	43	12498	3.204	ug/l	97
60) Dibromochloromethane	10.90	129	6016	0.920	ug/l	96
61) 1,2-Dibromoethane	11.01	107	4864	0.836	ug/l	93
64) Tetrachloroethene	10.63	164	7801	1.188	ug/l	98
65) Chlorobenzene	11.43	112	16758	1.007	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	6186	1.038	ug/l #	63
67) Ethyl Benzene	11.51	91	26288	0.944	ug/l	96
68) m/p-Xylenes	11.62	106	18175	1.729	ug/l	91
69) o-Xylene	11.95	106	9110	0.900	ug/l	95
70) Styrene	11.96	104	12553	0.782	ug/l	96
71) Bromoform	12.12	173	3795	0.925	ug/l #	96
73) Isopropylbenzene	12.25	105	24007	1.117	ug/l	100
74) N-amyl acetate	12.07	43	4475	0.786	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	6007	1.074	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	7413	1.755	ug/l #	100
77) Bromobenzene	12.53	156	6244	1.127	ug/l	94
78) n-propylbenzene	12.59	91	24734	1.023	ug/l	96
79) 2-Chlorotoluene	12.67	91	15977	1.088	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	16953	0.970	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	1259	0.939	ug/l #	93
82) 4-Chlorotoluene	12.77	91	14299	0.976	ug/l	98
83) tert-Butylbenzene	12.99	119	16205	1.047	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	16211	0.935	ug/l	99
85) sec-Butylbenzene	13.17	105	20903	0.995	ug/l	100
86) p-Isopropyltoluene	13.29	119	16412	0.930	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	9656	1.026	ug/l	98
88) 1,4-Dichlorobenzene	13.28	146	9656	1.034	ug/l	98
89) n-Butylbenzene	13.62	91	12570	0.843	ug/l	92
90) Hexachloroethane	13.88	117	4239	1.252	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	9726	1.039	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	852	1.086	ug/l	73

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2288	0.512	ug/l	87
94) Hexachlorobutadiene	15.01	225	3892	1.161	ug/l	96
95) Naphthalene	15.13	128	3619	0.393	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.32	180	2405	0.535	ug/l	86

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

