

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053514.D
 Acq On : 22 Jan 2019 12:56
 Operator : JC/SP
 Sample : VN0122WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2019 11:00:45 AM

Quant Time: Jan 23 03:41:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	754344	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1129733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1018283	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	497026	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	380882	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	
35) Dibromofluoromethane	7.59	113	346146	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
50) Toluene-d8	10.09	98	1377635	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.40	95	469878	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.85	85	116156	19.152	ug/l	99
3) Chloromethane	2.06	50	162320	18.719	ug/l	99
4) Vinyl Chloride	2.19	62	162244	19.410	ug/l	99
5) Bromomethane	2.57	94	115587	20.154	ug/l	96
6) Chloroethane	2.71	64	101042	19.994	ug/l	98
7) Trichlorofluoromethane	3.03	101	223905	20.479	ug/l	98
8) Diethyl Ether	3.41	74	85336	20.781	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	142259	20.545	ug/l	99
10) Methyl Iodide	3.96	142	209001	19.752	ug/l	100
11) Tert butyl alcohol	4.78	59	42168	115.581	ug/l #	92
12) 1,1-Dichloroethene	3.74	96	133564	19.887	ug/l	95
13) Acrolein	3.61	56	72299	115.057	ug/l	99
14) Allyl chloride	4.33	41	223339	20.473	ug/l	99
15) Acrylonitrile	4.99	53	249089	103.743	ug/l	100
16) Acetone	3.81	43	181024	103.484	ug/l	99
17) Carbon Disulfide	4.06	76	379890	18.705	ug/l	99
18) Methyl Acetate	4.32	43	119324	20.246	ug/l	98
19) Methyl tert-butyl Ether	5.04	73	375146	21.023	ug/l	99
20) Methylene Chloride	4.55	84	160106	20.047	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	147763	20.579	ug/l	99
22) Diisopropyl ether	5.95	45	483151	21.215	ug/l	99
23) Vinyl Acetate	5.89	43	1473680	105.269	ug/l	100
24) 1,1-Dichloroethane	5.85	63	282566	20.988	ug/l	99
25) 2-Butanone	6.83	43	274004	101.645	ug/l	100
26) 2,2-Dichloropropane	6.83	77	204025	20.072	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	171466	20.883	ug/l	99
28) Bromochloromethane	7.19	49	116029	19.563	ug/l	98
29) Tetrahydrofuran	7.21	42	181962	103.688	ug/l	99
30) Chloroform	7.37	83	280442	21.380	ug/l	99
31) Cyclohexane	7.66	56	258310	19.579	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	229202	20.599	ug/l	99
36) 1,1-Dichloropropene	7.79	75	209794	20.391	ug/l	100
37) Ethyl Acetate	6.93	43	121437	20.515	ug/l	99
38) Carbon Tetrachloride	7.78	117	198880	20.418	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	252017	19.818	ug/l	99
40) Benzene	8.04	78	645471	20.645	ug/l	100
41) Methacrylonitrile	7.17	41	68740	19.950	ug/l	95
42) 1,2-Dichloroethane	8.12	62	193646	21.260	ug/l	100
43) Isopropyl Acetate	8.16	43	224638	21.105	ug/l	100
44) Trichloroethene	8.83	130	181571	20.942	ug/l	99
45) 1,2-Dichloropropane	9.12	63	174951	21.126	ug/l	99
46) Dibromomethane	9.21	93	97842	20.564	ug/l	98
47) Bromodichloromethane	9.40	83	209776	20.966	ug/l	100
48) Methyl methacrylate	9.20	41	112362	20.446	ug/l	98
49) 1,4-Dioxane	9.20	88	26975	502.597	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	607384	104.535	ug/l	100
52) Toluene	10.16	92	397929	20.501	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	208447	20.553	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	249313	20.970	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	142898	21.354	ug/l	98
56) Ethyl methacrylate	10.43	69	176835	19.912	ug/l	100
57) 1,3-Dichloropropane	10.71	76	244340	21.107	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	447012	95.483	ug/l	99
59) 2-Hexanone	10.75	43	411382	100.859	ug/l	99
60) Dibromochloromethane	10.90	129	157491	20.750	ug/l	99
61) 1,2-Dibromoethane	11.00	107	140380	20.742	ug/l	99
64) Tetrachloroethene	10.63	164	199911	20.832	ug/l	99
65) Chlorobenzene	11.43	112	443783	20.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	159409	21.260	ug/l	99
67) Ethyl Benzene	11.51	91	754915	20.552	ug/l	100
68) m/p-Xylenes	11.62	106	584449	42.142	ug/l	99
69) o-Xylene	11.95	106	281587	20.895	ug/l	99
70) Styrene	11.96	104	460343	21.048	ug/l	100
71) Bromoform	12.13	173	107408	20.807	ug/l #	100
73) Isopropylbenzene	12.25	105	750106	20.609	ug/l	100
74) N-amyl acetate	12.07	43	194506	20.046	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152311	19.953	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	144291m	22.030	ug/l	
77) Bromobenzene	12.53	156	196153	20.452	ug/l	99
78) n-propylbenzene	12.59	91	859713	20.577	ug/l	100
79) 2-Chlorotoluene	12.67	91	504079	20.355	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	624493	21.088	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	47129	19.821	ug/l	96
82) 4-Chlorotoluene	12.77	91	516702	20.460	ug/l	100
83) tert-Butylbenzene	12.99	119	548706	20.978	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	629689	21.088	ug/l	100
85) sec-Butylbenzene	13.17	105	749808	20.903	ug/l	100
86) p-Isopropyltoluene	13.29	119	653542	20.983	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	344517	20.421	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	342182	20.220	ug/l	99
89) n-Butylbenzene	13.62	91	538948	20.300	ug/l	98
90) Hexachloroethane	13.88	117	101856	20.851	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	334768	21.569	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22127	22.861	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	146338	22.953	ug/l	99
94) Hexachlorobutadiene	15.01	225	111272	22.982	ug/l	99
95) Naphthalene	15.13	128	236776	22.093	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	107935	23.762	ug/l	99

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

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