

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011419\
 Data File : VN053385.D
 Acq On : 14 Jan 2019 12:24
 Operator : JC/SP
 Sample : VN0114WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0114WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/15/2019 11:14:14 AM

Quant Time: Jan 14 23:23:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	843655	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1295124	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1154227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	539580	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	434073	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.59	113	376101	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
50) Toluene-d8	10.09	98	1559616	49.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.08%	
62) 4-Bromofluorobenzene	12.40	95	545184	48.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	143664	19.316	ug/l	98
3) Chloromethane	2.06	50	194996	18.774	ug/l	99
4) Vinyl Chloride	2.19	62	192489	19.417	ug/l	99
5) Bromomethane	2.55	94	122767	18.951	ug/l	100
6) Chloroethane	2.70	64	115443	19.293	ug/l	99
7) Trichlorofluoromethane	3.02	101	251682	19.600	ug/l	98
8) Diethyl Ether	3.41	74	101523	20.172	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	161587	19.855	ug/l	100
10) Methyl Iodide	3.96	142	230486	20.205	ug/l	100
11) Tert butyl alcohol	4.78	59	44409	84.120	ug/l	97
12) 1,1-Dichloroethene	3.74	96	154817	19.667	ug/l	98
13) Acrolein	3.61	56	67905	102.301	ug/l	99
14) Allyl chloride	4.33	41	255769	20.159	ug/l	97
15) Acrylonitrile	4.99	53	306127	97.137	ug/l	99
16) Acetone	3.82	43	197316	91.995	ug/l	98
17) Carbon Disulfide	4.06	76	425849	17.547	ug/l	100
18) Methyl Acetate	4.32	43	151752	19.103	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	448927	20.320	ug/l	98
20) Methylene Chloride	4.55	84	183642	19.481	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	164478	19.460	ug/l	100
22) Diisopropyl ether	5.95	45	561503	20.543	ug/l	96
23) Vinyl Acetate	5.90	43	1730473	100.621	ug/l	100
24) 1,1-Dichloroethane	5.85	63	321729	20.409	ug/l	99
25) 2-Butanone	6.83	43	335195	93.086	ug/l	98
26) 2,2-Dichloropropane	6.83	77	234084	20.314	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	197583	20.470	ug/l	100
28) Bromochloromethane	7.20	49	139634	20.786	ug/l	99
29) Tetrahydrofuran	7.21	42	224397	94.432	ug/l	98
30) Chloroform	7.37	83	316655	20.408	ug/l	99
31) Cyclohexane	7.65	56	296172	19.653	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	261675	20.238	ug/l	100
36) 1,1-Dichloropropene	7.79	75	237832	19.670	ug/l	100
37) Ethyl Acetate	6.93	43	152971	19.424	ug/l	99
38) Carbon Tetrachloride	7.77	117	225277	20.186	ug/l	99

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

39) Methylcyclohexane	9.08	83	285955	20.415	ug/l	100
40) Benzene	8.04	78	742512	20.104	ug/l	100
41) Methacrylonitrile	7.17	41	79879	16.337	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	222771	20.335	ug/l	100
43) Isopropyl Acetate	8.16	43	281956	18.199	ug/l	100
44) Trichloroethene	8.83	130	203704	20.087	ug/l	100
45) 1,2-Dichloropropane	9.12	63	199444	20.590	ug/l	98
46) Dibromomethane	9.21	93	113567	20.108	ug/l	99
47) Bromodichloromethane	9.40	83	234739	19.944	ug/l	99
48) Methyl methacrylate	9.20	41	135009	19.181	ug/l	99
49) 1,4-Dioxane	9.20	88	22204	296.085	ug/l	92
51) 4-Methyl-2-Pentanone	9.99	43	763707	98.022	ug/l	100
52) Toluene	10.16	92	452064	19.951	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	238639	19.820	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	284072	20.417	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	164915	19.795	ug/l	98
56) Ethyl methacrylate	10.43	69	212607	19.637	ug/l	99
57) 1,3-Dichloropropane	10.71	76	283782	20.368	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	570758	97.513	ug/l	99
59) 2-Hexanone	10.75	43	508561	95.268	ug/l	99
60) Dibromochloromethane	10.90	129	176838	19.679	ug/l	98
61) 1,2-Dibromoethane	11.00	107	161734	19.672	ug/l	99
64) Tetrachloroethene	10.63	164	221290	20.370	ug/l	99
65) Chlorobenzene	11.43	112	505749	20.170	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	176943	20.161	ug/l	100
67) Ethyl Benzene	11.51	91	858282	20.144	ug/l	100
68) m/p-Xylenes	11.62	106	654120	40.828	ug/l	100
69) o-Xylene	11.95	106	320849	20.456	ug/l	100
70) Styrene	11.96	104	526730	20.634	ug/l	99
71) Bromoform	12.13	173	121073	19.531	ug/l #	98
73) Isopropylbenzene	12.25	105	849387	21.143	ug/l	100
74) N-amyl acetate	12.07	43	239540	19.968	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	188000	20.344	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	181289m	23.035	ug/l	
77) Bromobenzene	12.53	156	222828	20.782	ug/l	99
78) n-propylbenzene	12.59	91	969612	21.337	ug/l	100
79) 2-Chlorotoluene	12.68	91	569719	20.720	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	696812	21.533	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	52932	19.788	ug/l	96
82) 4-Chlorotoluene	12.77	91	584380	20.727	ug/l	100
83) tert-Butylbenzene	12.99	119	614570	21.646	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	701029	21.265	ug/l	99
85) sec-Butylbenzene	13.17	105	837596	22.370	ug/l	100
86) p-Isopropyltoluene	13.29	119	712613	21.982	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	385630	20.424	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	373578	19.945	ug/l	100
89) n-Butylbenzene	13.62	91	582730	21.440	ug/l	100
90) Hexachloroethane	13.88	117	104841	20.177	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	355241	20.086	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22343	19.933	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132915	23.901	ug/l	98
94) Hexachlorobutadiene	15.01	225	112636	24.763	ug/l	99
95) Naphthalene	15.13	128	228486	24.085	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	94314	25.904	ug/l	98

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

