

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011719\
 Data File : VN053436.D
 Acq On : 17 Jan 2019 15:59
 Operator : JC/SP
 Sample : VN0117WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0117WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/18/2019 1:17:37 PM

Quant Time: Jan 18 00:28:42 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	7.67	168	802616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1181095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1072361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	535006	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	392912	49.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.06%	
35) Dibromofluoromethane	7.59	113	341799	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
50) Toluene-d8	10.09	98	1430741	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	501015	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	127583	19.771	ug/l	100
3) Chloromethane	2.06	50	172385	18.684	ug/l	99
4) Vinyl Chloride	2.19	62	168501	18.946	ug/l	100
5) Bromomethane	2.57	94	116276	19.054	ug/l	100
6) Chloroethane	2.71	64	101786	18.930	ug/l	98
7) Trichlorofluoromethane	3.02	101	230104	19.780	ug/l	99
8) Diethyl Ether	3.41	74	85195	19.499	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	151330	20.541	ug/l	100
10) Methyl Iodide	3.96	142	209681	18.624	ug/l	100
11) Tert butyl alcohol	4.77	59	50146	129.182	ug/l	99
12) 1,1-Dichloroethene	3.74	96	138878	19.435	ug/l	98
13) Acrolein	3.61	56	60421	95.250	ug/l	97
14) Allyl chloride	4.33	41	230455	19.855	ug/l	99
15) Acrylonitrile	4.99	53	268940	105.274	ug/l	100
16) Acetone	3.82	43	193657	104.047	ug/l	99
17) Carbon Disulfide	4.06	76	404355	18.712	ug/l	100
18) Methyl Acetate	4.32	43	129382	20.632	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	392672	20.681	ug/l	98
20) Methylene Chloride	4.55	84	162733	19.151	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	151051	19.772	ug/l	99
22) Diisopropyl ether	5.95	45	487716	20.128	ug/l	96
23) Vinyl Acetate	5.90	43	1538193	103.269	ug/l	100
24) 1,1-Dichloroethane	5.85	63	283280	19.776	ug/l	99
25) 2-Butanone	6.83	43	311799	108.709	ug/l	100
26) 2,2-Dichloropropane	6.83	77	211237	19.531	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	172050	19.694	ug/l	99
28) Bromochloromethane	7.19	49	124839	19.783	ug/l	100
29) Tetrahydrofuran	7.21	42	204720	109.640	ug/l	99
30) Chloroform	7.37	83	281125	20.143	ug/l	99
31) Cyclohexane	7.65	56	269089	19.165	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	232045	19.600	ug/l	99
36) 1,1-Dichloropropene	7.79	75	214834	19.973	ug/l	99
37) Ethyl Acetate	6.93	43	133347	21.548	ug/l	99
38) Carbon Tetrachloride	7.78	117	205171	20.147	ug/l	99

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

39) Methylcyclohexane	9.08	83	268938	20.229	ug/l	100
40) Benzene	8.04	78	657928	20.128	ug/l	97
41) Methacrylonitrile	7.17	41	64895	18.080	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	196135	20.597	ug/l	99
43) Isopropyl Acetate	8.16	43	243790	21.909	ug/l	99
44) Trichloroethene	8.84	130	185629	20.479	ug/l	100
45) 1,2-Dichloropropane	9.12	63	172283	19.899	ug/l	99
46) Dibromomethane	9.21	93	100287	20.162	ug/l	98
47) Bromodichloromethane	9.40	83	212241	20.289	ug/l	100
48) Methyl methacrylate	9.20	41	120734	21.014	ug/l	98
49) 1,4-Dioxane	9.20	88	28832	513.836	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	676897	111.433	ug/l	100
52) Toluene	10.16	92	408782	20.144	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	215013	20.279	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	253900	20.428	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	146717	20.971	ug/l	99
56) Ethyl methacrylate	10.43	69	188287	20.241	ug/l	99
57) 1,3-Dichloropropane	10.71	76	251196	20.756	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	497991	101.747	ug/l	99
59) 2-Hexanone	10.75	43	476313	111.700	ug/l	99
60) Dibromochloromethane	10.90	129	161453	20.347	ug/l	98
61) 1,2-Dibromoethane	11.01	107	145144	20.513	ug/l	99
64) Tetrachloroethene	10.63	164	208500	20.632	ug/l	98
65) Chlorobenzene	11.43	112	459266	20.234	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	160447	20.319	ug/l	99
67) Ethyl Benzene	11.51	91	780793	20.184	ug/l	100
68) m/p-Xylenes	11.62	106	607355	41.585	ug/l	100
69) o-Xylene	11.95	106	292885	20.638	ug/l	99
70) Styrene	11.96	104	482087	20.930	ug/l	99
71) Bromoform	12.13	173	115670	21.278	ug/l #	97
73) Isopropylbenzene	12.25	105	789013	20.139	ug/l	100
74) N-amyl acetate	12.07	43	216818	20.760	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	169848	20.671	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	152545m	21.636	ug/l	
77) Bromobenzene	12.53	156	207202	20.070	ug/l	99
78) n-propylbenzene	12.59	91	924953	20.567	ug/l	99
79) 2-Chlorotoluene	12.68	91	531837	19.951	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	653431	20.499	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	50459	19.728	ug/l	96
82) 4-Chlorotoluene	12.77	91	553972	20.378	ug/l	100
83) tert-Butylbenzene	12.99	119	575070	20.426	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	667924	20.781	ug/l	100
85) sec-Butylbenzene	13.17	105	799992	20.719	ug/l	100
86) p-Isopropyltoluene	13.29	119	697626	20.808	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	371673	20.467	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	369850	20.304	ug/l	99
89) n-Butylbenzene	13.62	91	589743	20.636	ug/l	99
90) Hexachloroethane	13.88	117	103158	19.619	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	352188	21.080	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24751	23.756	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	159161	23.163	ug/l	99
94) Hexachlorobutadiene	15.01	225	120232	23.070	ug/l	98
95) Naphthalene	15.13	128	267547	22.996	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	123166	24.955	ug/l	99

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

