

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091419\
 Data File : VN058017.D
 Acq On : 13 Sep 2019 14:36
 Operator : JC/SP
 Sample : VN0914WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0914WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 2:50:01 PM

Quant Time: Sep 14 03:29:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	321893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	531432	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	492581	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282280	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	344127	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
35) Dibromofluoromethane	7.58	113	248627	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.09	98	971856	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	12.40	95	336562	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	86946	19.531	ug/l	97
3) Chloromethane	2.04	50	75603	16.663	ug/l	100
4) Vinyl Chloride	2.17	62	80795	16.825	ug/l	100
5) Bromomethane	2.55	94	44662	15.887	ug/l	96
6) Chloroethane	2.69	64	53790	17.579	ug/l	94
7) Trichlorofluoromethane	3.00	101	109296	18.086	ug/l	96
8) Diethyl Ether	3.39	74	49620	19.687	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	75600	19.831	ug/l	99
10) Methyl Iodide	3.93	142	68666	16.186	ug/l	99
11) Tert butyl alcohol	4.76	59	67341	85.340	ug/l #	89
12) 1,1-Dichloroethene	3.72	96	63207	18.441	ug/l	100
13) Acrolein	3.61	56	5773m	8.623	ug/l	
14) Allyl chloride	4.30	41	123727	18.445	ug/l	97
15) Acrylonitrile	4.96	53	217260	100.171	ug/l	99
16) Acetone	3.80	43	183308	85.767	ug/l	100
17) Carbon Disulfide	4.03	76	87116	16.437	ug/l	100
18) Methyl Acetate	4.30	43	120996	21.233	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	293315	20.563	ug/l	98
20) Methylene Chloride	4.53	84	87755	20.850	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	68434	18.470	ug/l	98
22) Diisopropyl ether	5.93	45	320279	20.360	ug/l	95
23) Vinyl Acetate	5.87	43	1141467	102.390	ug/l	99
24) 1,1-Dichloroethane	5.83	63	176529	20.534	ug/l	99
25) 2-Butanone	6.81	43	290929	94.049	ug/l	100
26) 2,2-Dichloropropane	6.81	77	121311	17.830	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	97807	19.697	ug/l	99
28) Bromochloromethane	7.17	49	93837	21.848	ug/l	98
29) Tetrahydrofuran	7.19	42	186113	97.638	ug/l	99
30) Chloroform	7.36	83	182514	20.304	ug/l	98
31) Cyclohexane	7.64	56	122099	19.476	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	138665	19.450	ug/l	98
36) 1,1-Dichloropropene	7.78	75	114197	18.529	ug/l	97
37) Ethyl Acetate	6.91	43	122146	19.182	ug/l	98
38) Carbon Tetrachloride	7.76	117	108832	19.341	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	116353	17.959	ug/l	99
40) Benzene	8.03	78	360668	19.437	ug/l	98
41) Methacrylonitrile	7.16	41	64413m	22.284	ug/l	
42) 1,2-Dichloroethane	8.11	62	147744	19.909	ug/l	100
43) Isopropyl Acetate	8.15	43	217422	20.304	ug/l #	89
44) Trichloroethene	8.83	130	86671	19.044	ug/l	97
45) 1,2-Dichloropropane	9.11	63	107891	19.982	ug/l	97
46) Dibromomethane	9.20	93	65144	19.966	ug/l	99
47) Bromodichloromethane	9.40	83	130820	20.079	ug/l	99
48) Methyl methacrylate	9.19	41	103392	19.034	ug/l	99
49) 1,4-Dioxane	9.19	88	30353	330.425	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	646064	101.952	ug/l	100
52) Toluene	10.15	92	227675	19.481	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	128255	18.693	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	145889	19.259	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	99614	20.122	ug/l	97
56) Ethyl methacrylate	10.43	69	141454	18.975	ug/l	98
57) 1,3-Dichloropropane	10.71	76	167792	19.668	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	315901	89.971	ug/l	99
59) 2-Hexanone	10.75	43	446505	94.005	ug/l	100
60) Dibromochloromethane	10.90	129	85734	18.650	ug/l	99
61) 1,2-Dibromoethane	11.00	107	89692	19.164	ug/l	99
64) Tetrachloroethene	10.63	164	69651	19.151	ug/l	97
65) Chlorobenzene	11.43	112	250136	19.404	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	88287	19.737	ug/l	98
67) Ethyl Benzene	11.51	91	448088	19.834	ug/l	100
68) m/p-Xylenes	11.62	106	325636	39.349	ug/l	99
69) o-Xylene	11.95	106	161666	19.650	ug/l	96
70) Styrene	11.97	104	280562	19.815	ug/l	99
71) Bromoform	12.13	173	50120	17.972	ug/l #	98
73) Isopropylbenzene	12.25	105	452863	20.675	ug/l	100
74) N-amyl acetate	12.07	43	181227	19.011	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	145253	19.695	ug/l	97
76) 1,2,3-Trichloropropane	12.56	75	132522m	20.753	ug/l	
77) Bromobenzene	12.53	156	104732	19.178	ug/l	99
78) n-propylbenzene	12.59	91	525785	20.904	ug/l	100
79) 2-Chlorotoluene	12.68	91	315076	19.820	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	386986	20.910	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27495	15.152	ug/l #	76
82) 4-Chlorotoluene	12.78	91	317829	19.469	ug/l	98
83) tert-Butylbenzene	13.00	119	328194	19.949	ug/l	97
84) 1,2,4-Trimethylbenzene	13.05	105	380358	20.221	ug/l	99
85) sec-Butylbenzene	13.18	105	453300	20.789	ug/l	99
86) p-Isopropyltoluene	13.29	119	393717	20.493	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	195482	19.501	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	197431	19.404	ug/l	99
89) n-Butylbenzene	13.62	91	355138	19.574	ug/l	100
90) Hexachloroethane	13.88	117	54923	19.222	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	196107	19.583	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23519	19.310	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	114533	17.498	ug/l	98
94) Hexachlorobutadiene	15.02	225	51665	18.620	ug/l	99
95) Naphthalene	15.13	128	315461	18.087	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	112270	20.253	ug/l	98

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

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