

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111919\
 Data File : VN059308.D
 Acq On : 19 Nov 2019 15:54
 Operator : JC/SP
 Sample : VN1119WBS04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1119WBS04

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:37:09 PM

Quant Time: Nov 20 02:45:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	380538	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	600501	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	244445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	184439	39.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.86%	
35) Dibromofluoromethane	7.57	113	149496	41.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.38%	
50) Toluene-d8	10.08	98	549963	38.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.88%	
62) 4-Bromofluorobenzene	12.40	95	205710	40.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	95740	24.971	ug/l	99
3) Chloromethane	2.04	50	107966	20.716	ug/l	99
4) Vinyl Chloride	2.17	62	115071	22.773	ug/l	100
5) Bromomethane	2.55	94	60299	20.737	ug/l	95
6) Chloroethane	2.69	64	58658	19.624	ug/l	98
7) Trichlorofluoromethane	3.00	101	112671	18.642	ug/l	99
8) Diethyl Ether	3.39	74	46728	19.028	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	70715	19.405	ug/l	99
10) Methyl Iodide	3.93	142	84344	18.699	ug/l	98
11) Tert butyl alcohol	4.75	59	73144	82.047	ug/l	99
12) 1,1-Dichloroethene	3.72	96	68985	19.433	ug/l	98
13) Acrolein	3.58	56	33020	71.840	ug/l	98
14) Allyl chloride	4.30	41	130671	17.920	ug/l	98
15) Acrylonitrile	4.95	53	206634	93.137	ug/l	99
16) Acetone	3.79	43	201980	83.032	ug/l	99
17) Carbon Disulfide	4.03	76	219870	19.953	ug/l	99
18) Methyl Acetate	4.30	43	116623	20.198	ug/l	98
19) Methyl tert-butyl Ether	5.01	73	227837	18.642	ug/l	99
20) Methylene Chloride	4.53	84	80792	19.064	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	76270	20.016	ug/l	95
22) Diisopropyl ether	5.92	45	251659	18.272	ug/l	96
23) Vinyl Acetate	5.87	43	998770	93.567	ug/l	100
24) 1,1-Dichloroethane	5.82	63	143383	18.639	ug/l	99
25) 2-Butanone	6.81	43	279935	87.317	ug/l	98
26) 2,2-Dichloropropane	6.80	77	122377	18.193	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	85099	19.250	ug/l	97
28) Bromochloromethane	7.18	49	29124	12.584	ug/l	98
29) Tetrahydrofuran	7.18	42	187158	91.877	ug/l	99
30) Chloroform	7.35	83	140712	19.068	ug/l	100
31) Cyclohexane	7.63	56	135069	18.547	ug/l #	93
32) 1,1,1-Trichloroethane	7.55	97	116006	18.698	ug/l	99
36) 1,1-Dichloropropene	7.77	75	105576	18.809	ug/l	99
37) Ethyl Acetate	6.90	43	115087	18.431	ug/l	98
38) Carbon Tetrachloride	7.75	117	101788	18.220	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	129489	19.878	ug/l	97
40) Benzene	8.02	78	317597	18.790	ug/l	100
41) Methacrylonitrile	7.16	41	49027m	18.056	ug/l	
42) 1,2-Dichloroethane	8.10	62	106501	18.371	ug/l	99
43) Isopropyl Acetate	8.15	43	172176	17.296	ug/l	93
44) Trichloroethene	8.82	130	79277	19.080	ug/l	95
45) 1,2-Dichloropropane	9.10	63	84774	18.465	ug/l	99
46) Dibromomethane	9.19	93	52654	18.405	ug/l	99
47) Bromodichloromethane	9.39	83	102682	17.974	ug/l	98
48) Methyl methacrylate	9.18	41	75620	16.983	ug/l	96
49) 1,4-Dioxane	9.18	88	24991	315.812	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	534835	94.952	ug/l	100
52) Toluene	10.15	92	192995	19.050	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	117046	17.734	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	130474	18.378	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	74463	18.161	ug/l	98
56) Ethyl methacrylate	10.42	69	109974	17.352	ug/l	98
57) 1,3-Dichloropropane	10.70	76	130868	18.545	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	147734	64.745	ug/l	99
59) 2-Hexanone	10.75	43	387447	89.617	ug/l	99
60) Dibromochloromethane	10.90	129	77839	17.956	ug/l	100
61) 1,2-Dibromoethane	11.00	107	77334	18.632	ug/l	98
64) Tetrachloroethene	10.63	164	69978	19.157	ug/l	97
65) Chlorobenzene	11.43	112	200396	19.136	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	73359	18.674	ug/l	99
67) Ethyl Benzene	11.51	91	358676	19.304	ug/l	100
68) m/p-Xylenes	11.62	106	264693	38.032	ug/l	100
69) o-Xylene	11.95	106	126130	18.753	ug/l	99
70) Styrene	11.96	104	196919	18.616	ug/l	100
71) Bromoform	12.13	173	54708	17.904	ug/l #	99
73) Isopropylbenzene	12.25	105	339347	19.085	ug/l	99
74) N-amyl acetate	12.07	43	128577	17.065	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	111154	18.357	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	102367m	18.394	ug/l	
77) Bromobenzene	12.53	156	81138	18.162	ug/l	98
78) n-propylbenzene	12.59	91	387596	19.038	ug/l	99
79) 2-Chlorotoluene	12.68	91	231308	18.314	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	286308	19.003	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	36745	17.439	ug/l	99
82) 4-Chlorotoluene	12.78	91	234481	18.510	ug/l	98
83) tert-Butylbenzene	12.99	119	240556	18.488	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	279504	19.174	ug/l	99
85) sec-Butylbenzene	13.17	105	325199	19.218	ug/l	100
86) p-Isopropyltoluene	13.29	119	289324	19.364	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	139355	18.217	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	139119	18.176	ug/l	99
89) n-Butylbenzene	13.62	91	247901	18.956	ug/l	99
90) Hexachloroethane	13.88	117	52578	17.524	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	138127	18.355	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	20876	17.298	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	71564	17.766	ug/l	99
94) Hexachlorobutadiene	15.01	225	48838	18.822	ug/l	99
95) Naphthalene	15.13	128	185465	16.795	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	71619	16.982	ug/l	99

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

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