

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091219\
 Data File : VN057931.D
 Acq On : 11 Sep 2019 18:20
 Operator : JC/SP
 Sample : VN0912WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0912WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/13/2019 11:07:29 AM

Quant Time: Sep 12 03:20:16 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	322778	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	527756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	495723	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287507	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	341147	52.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.36%	
35) Dibromofluoromethane	7.58	113	239552	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	10.09	98	974499	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	
62) 4-Bromofluorobenzene	12.41	95	334719	46.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	90024	20.167	ug/l	98
3) Chloromethane	2.03	50	84524	18.578	ug/l	98
4) Vinyl Chloride	2.16	62	88909	18.464	ug/l	99
5) Bromomethane	2.54	94	48025	17.150	ug/l	94
6) Chloroethane	2.68	64	56024	18.259	ug/l	98
7) Trichlorofluoromethane	2.99	101	112146	18.507	ug/l	98
8) Diethyl Ether	3.39	74	50288	19.897	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.74	101	74946	19.606	ug/l	98
10) Methyl Iodide	3.93	142	69206	16.269	ug/l	97
11) Tert butyl alcohol	4.77	59	74363	93.980	ug/l #	93
12) 1,1-Dichloroethene	3.71	96	64718	18.830	ug/l	98
13) Acrolein	3.59	56	44262	65.935	ug/l	98
14) Allyl chloride	4.30	41	117664	17.493	ug/l	97
15) Acrylonitrile	4.96	53	221808	101.988	ug/l	99
16) Acetone	3.80	43	185876	86.730	ug/l	99
17) Carbon Disulfide	4.03	76	89128	16.767	ug/l	96
18) Methyl Acetate	4.30	43	120526	21.092	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	289746	20.257	ug/l	100
20) Methylene Chloride	4.53	84	85895	20.322	ug/l	96
21) trans-1,2-Dichloroethene	5.01	96	68265	18.373	ug/l	95
22) Diisopropyl ether	5.93	45	319049	20.227	ug/l	98
23) Vinyl Acetate	5.88	43	1151192	102.980	ug/l	100
24) 1,1-Dichloroethane	5.83	63	168340	19.527	ug/l	99
25) 2-Butanone	6.82	43	296677	95.644	ug/l	100
26) 2,2-Dichloropropane	6.80	77	118586	17.382	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	94922	19.064	ug/l	97
28) Bromochloromethane	7.17	49	85869	19.938	ug/l	97
29) Tetrahydrofuran	7.20	42	193708	101.344	ug/l	99
30) Chloroform	7.36	83	176969	19.633	ug/l	99
31) Cyclohexane	7.64	56	125846	20.084	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	136773	19.132	ug/l	99
36) 1,1-Dichloropropene	7.78	75	112865	18.440	ug/l	98
37) Ethyl Acetate	6.91	43	126469	19.999	ug/l	100
38) Carbon Tetrachloride	7.76	117	106538	19.065	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	117081	18.197	ug/l	98
40) Benzene	8.03	78	360264	19.551	ug/l	100
41) Methacrylonitrile	7.16	41	65452	22.801	ug/l	89
42) 1,2-Dichloroethane	8.11	62	144044	19.546	ug/l	100
43) Isopropyl Acetate	8.16	43	209148	19.667	ug/l #	90
44) Trichloroethene	8.83	130	85344	18.883	ug/l	99
45) 1,2-Dichloropropane	9.11	63	105681	19.709	ug/l	98
46) Dibromomethane	9.20	93	65445	20.198	ug/l	98
47) Bromodichloromethane	9.40	83	123514	19.090	ug/l	99
48) Methyl methacrylate	9.19	41	106611	19.763	ug/l	99
49) 1,4-Dioxane	9.19	88	32795	359.496	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	675655	107.364	ug/l	99
52) Toluene	10.15	92	224309	19.327	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	126396	18.551	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	142356	18.924	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	99459	20.231	ug/l	99
56) Ethyl methacrylate	10.43	69	148847	20.106	ug/l	99
57) 1,3-Dichloropropane	10.71	76	172047	20.307	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	355603	101.984	ug/l	99
59) 2-Hexanone	10.75	43	478775	101.501	ug/l	99
60) Dibromochloromethane	10.90	129	84098	18.422	ug/l	100
61) 1,2-Dibromoethane	11.00	107	90895	19.557	ug/l	100
64) Tetrachloroethene	10.63	164	69542	19.000	ug/l	98
65) Chlorobenzene	11.43	112	253614	19.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87900	19.526	ug/l	99
67) Ethyl Benzene	11.51	91	456333	20.071	ug/l	98
68) m/p-Xylenes	11.62	106	331433	39.796	ug/l	99
69) o-Xylene	11.95	106	162211	19.592	ug/l	95
70) Styrene	11.97	104	283872	19.922	ug/l	99
71) Bromoform	12.13	173	50430	17.968	ug/l #	99
73) Isopropylbenzene	12.25	105	462588	20.735	ug/l	99
74) N-amyl acetate	12.07	43	192649	19.842	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	148768	19.805	ug/l	98
76) 1,2,3-Trichloropropane	12.56	75	125679m	19.324	ug/l	
77) Bromobenzene	12.53	156	107390	19.307	ug/l	97
78) n-propylbenzene	12.60	91	532898	20.801	ug/l	99
79) 2-Chlorotoluene	12.68	91	316839	19.568	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	388249	20.596	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	30383	16.439	ug/l	86
82) 4-Chlorotoluene	12.78	91	327570	19.700	ug/l	100
83) tert-Butylbenzene	13.00	119	333225	19.887	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	395138	20.625	ug/l	97
85) sec-Butylbenzene	13.18	105	452194	20.361	ug/l	99
86) p-Isopropyltoluene	13.30	119	399647	20.423	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	197030	19.299	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	197644	19.072	ug/l	98
89) n-Butylbenzene	13.62	91	365869	19.798	ug/l	99
90) Hexachloroethane	13.88	117	54110	18.593	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	200715	19.678	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	23993	19.341	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	122776	18.416	ug/l	99
94) Hexachlorobutadiene	15.01	225	53453	18.914	ug/l	99
95) Naphthalene	15.13	128	353087	20.037	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	116928	20.687	ug/l	99

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

