

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111219\
 Data File : VN059182.D
 Acq On : 12 Nov 2019 12:10
 Operator : JC/SP
 Sample : VN1112WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1112WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 12:07:50 PM

Quant Time: Nov 13 06:02:40 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	415112	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	651969	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	604506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	270999	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	261752	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	
35) Dibromofluoromethane	7.57	113	198727	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.08	98	755200	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.40	95	266289	48.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	75389	18.025	ug/l	99
3) Chloromethane	2.04	50	106553	18.742	ug/l	98
4) Vinyl Chloride	2.17	62	110185	19.990	ug/l	100
5) Bromomethane	2.54	94	62895	19.828	ug/l	100
6) Chloroethane	2.68	64	65875	20.203	ug/l	99
7) Trichlorofluoromethane	3.00	101	136148	20.650	ug/l	98
8) Diethyl Ether	3.39	74	51606	19.264	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.73	101	78011	19.624	ug/l	99
10) Methyl Iodide	3.93	142	89633	18.216	ug/l	97
11) Tert butyl alcohol	4.76	59	100792	103.644	ug/l	100
12) 1,1-Dichloroethene	3.72	96	74325	19.194	ug/l	98
13) Acrolein	3.58	56	37186	74.166	ug/l	99
14) Allyl chloride	4.30	41	148738	18.699	ug/l	97
15) Acrylonitrile	4.96	53	240257	99.273	ug/l	99
16) Acetone	3.79	43	248160	93.520	ug/l	99
17) Carbon Disulfide	4.03	76	208887	17.377	ug/l	98
18) Methyl Acetate	4.30	43	132505	21.038	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	265361	19.904	ug/l	98
20) Methylene Chloride	4.53	84	90607	19.600	ug/l	95
21) trans-1,2-Dichloroethene	5.01	96	80662	19.406	ug/l	100
22) Diisopropyl ether	5.92	45	304856	20.291	ug/l	92
23) Vinyl Acetate	5.87	43	1252310	107.547	ug/l	100
24) 1,1-Dichloroethane	5.82	63	168217	20.046	ug/l	99
25) 2-Butanone	6.81	43	353600	101.109	ug/l	98
26) 2,2-Dichloropropane	6.80	77	142824	19.464	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	96053	19.918	ug/l	99
28) Bromochloromethane	7.17	49	50628	20.053	ug/l	98
29) Tetrahydrofuran	7.19	42	231527	104.191	ug/l	99
30) Chloroform	7.35	83	168093	20.882	ug/l	99
31) Cyclohexane	7.63	56	144969	18.249	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	141312	20.880	ug/l	98
36) 1,1-Dichloropropene	7.77	75	118437	19.435	ug/l	99
37) Ethyl Acetate	6.90	43	140619	20.742	ug/l	99
38) Carbon Tetrachloride	7.75	117	122711	20.231	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	129494	18.309	ug/l	97
40) Benzene	8.02	78	367921	20.049	ug/l	99
41) Methacrylonitrile	7.16	41	72268m	24.514	ug/l	
42) 1,2-Dichloroethane	8.10	62	133943	21.281	ug/l	98
43) Isopropyl Acetate	8.14	43	217702	20.143	ug/l #	92
44) Trichloroethene	8.82	130	88923	19.712	ug/l	99
45) 1,2-Dichloropropane	9.10	63	99964	20.055	ug/l	100
46) Dibromomethane	9.19	93	62879	20.244	ug/l	99
47) Bromodichloromethane	9.39	83	127672	20.584	ug/l	97
48) Methyl methacrylate	9.18	41	97224	20.111	ug/l	99
49) 1,4-Dioxane	9.18	88	36174	421.045	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	695969	113.804	ug/l	98
52) Toluene	10.15	92	220521	20.049	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	140187	19.563	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	153485	19.912	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	89407	20.085	ug/l	97
56) Ethyl methacrylate	10.42	69	130449	18.785	ug/l	96
57) 1,3-Dichloropropane	10.70	76	157322	20.534	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	240945	97.259	ug/l	99
59) 2-Hexanone	10.74	43	510028	108.657	ug/l	98
60) Dibromochloromethane	10.90	129	96278	20.456	ug/l	100
61) 1,2-Dibromoethane	11.00	107	93195	20.681	ug/l	100
64) Tetrachloroethene	10.62	164	78686	19.142	ug/l	99
65) Chlorobenzene	11.43	112	231729	19.664	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	87646	19.827	ug/l	97
67) Ethyl Benzene	11.51	91	410593	19.638	ug/l	99
68) m/p-Xylenes	11.62	106	304938	38.936	ug/l	99
69) o-Xylene	11.95	106	146448	19.349	ug/l	99
70) Styrene	11.96	104	231098	19.414	ug/l	99
71) Bromoform	12.13	173	67365	19.592	ug/l #	99
73) Isopropylbenzene	12.25	105	395877	20.082	ug/l	100
74) N-amyl acetate	12.07	43	167470	20.049	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	140909	20.990	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	123122m	19.956	ug/l	
77) Bromobenzene	12.53	156	95350	19.252	ug/l	97
78) n-propylbenzene	12.59	91	459759	20.370	ug/l	99
79) 2-Chlorotoluene	12.67	91	277326	19.806	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	333629	19.974	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	45390	19.432	ug/l	96
82) 4-Chlorotoluene	12.77	91	274827	19.570	ug/l	100
83) tert-Butylbenzene	12.99	119	287755	19.949	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	326728	20.218	ug/l	100
85) sec-Butylbenzene	13.17	105	376475	20.068	ug/l	100
86) p-Isopropyltoluene	13.29	119	331479	20.011	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	166036	19.578	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	159589	18.807	ug/l	98
89) n-Butylbenzene	13.62	91	269150	18.565	ug/l	100
90) Hexachloroethane	13.88	117	64578	19.415	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	168334	20.177	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28111	21.004	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	78961	17.696	ug/l	99
94) Hexachlorobutadiene	15.01	225	55575	19.320	ug/l	99
95) Naphthalene	15.13	128	213222	17.304	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	85931	18.379	ug/l	98

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

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