

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058708.D
 Acq On : 11 Oct 2019 17:04
 Operator : JC/SP
 Sample : VN1013WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1013WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/16/2019 12:48:51 AM

Quant Time: Oct 12 00:45:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	470046	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	763973	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	696757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	334780	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	340666	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
35) Dibromofluoromethane	7.57	113	244634	51.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.68%	
50) Toluene-d8	10.08	98	964604	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
62) 4-Bromofluorobenzene	12.41	95	357317	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	120548	20.592	ug/l	100
3) Chloromethane	2.04	50	136457	19.602	ug/l	99
4) Vinyl Chloride	2.17	62	138072	19.914	ug/l	100
5) Bromomethane	2.55	94	83031	19.686	ug/l	100
6) Chloroethane	2.68	64	84769	19.822	ug/l	97
7) Trichlorofluoromethane	3.00	101	168756	20.338	ug/l	99
8) Diethyl Ether	3.39	74	61084	19.924	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94740	20.024	ug/l	98
10) Methyl Iodide	3.93	142	126111	19.533	ug/l	99
11) Tert butyl alcohol	4.76	59	110002	103.217	ug/l	98
12) 1,1-Dichloroethene	3.72	96	90526	20.054	ug/l	96
13) Acrolein	3.58	56	79703	92.989	ug/l	100
14) Allyl chloride	4.30	41	179489	19.703	ug/l	100
15) Acrylonitrile	4.96	53	272085	101.237	ug/l	99
16) Acetone	3.80	43	290837	106.756	ug/l	100
17) Carbon Disulfide	4.03	76	278217	19.281	ug/l	99
18) Methyl Acetate	4.30	43	140760	20.369	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	331743	20.581	ug/l	97
20) Methylene Chloride	4.53	84	107525	18.885	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	101295	20.061	ug/l	97
22) Diisopropyl ether	5.93	45	361494	20.409	ug/l	98
23) Vinyl Acetate	5.87	43	1533110	107.269	ug/l	100
24) 1,1-Dichloroethane	5.82	63	204279	20.250	ug/l	100
25) 2-Butanone	6.81	43	406157	103.145	ug/l	99
26) 2,2-Dichloropropane	6.80	77	181021	19.658	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	115355	19.591	ug/l	99
28) Bromochloromethane	7.18	49	73363	20.904	ug/l	99
29) Tetrahydrofuran	7.19	42	259553	101.998	ug/l	99
30) Chloroform	7.35	83	196972	19.434	ug/l	99
31) Cyclohexane	7.64	56	185960	19.266	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	174780	20.221	ug/l	100
36) 1,1-Dichloropropene	7.78	75	150221	19.448	ug/l	99
37) Ethyl Acetate	6.91	43	168520	21.572	ug/l	98
38) Carbon Tetrachloride	7.76	117	151233	20.089	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	174428	19.461	ug/l	98
40) Benzene	8.03	78	439954	19.832	ug/l	100
41) Methacrylonitrile	7.16	41	75236m	20.574	ug/l	
42) 1,2-Dichloroethane	8.11	62	171578	20.132	ug/l	99
43) Isopropyl Acetate	8.15	43	267487	20.100	ug/l	# 90
44) Trichloroethene	8.82	130	108700	19.731	ug/l	99
45) 1,2-Dichloropropane	9.11	63	118690	19.986	ug/l	94
46) Dibromomethane	9.20	93	76550	20.331	ug/l	100
47) Bromodichloromethane	9.39	83	155018	20.218	ug/l	99
48) Methyl methacrylate	9.19	41	122909	20.375	ug/l	98
49) 1,4-Dioxane	9.19	88	39315	421.279	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	817577	109.392	ug/l	99
52) Toluene	10.15	92	272259	20.066	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	174816	19.879	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	190535	20.407	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	107235	19.310	ug/l	99
56) Ethyl methacrylate	10.43	69	165890	20.447	ug/l	99
57) 1,3-Dichloropropane	10.71	76	192447	20.336	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	425685	108.874	ug/l	100
59) 2-Hexanone	10.75	43	618099	107.015	ug/l	100
60) Dibromochloromethane	10.90	129	115316	20.129	ug/l	100
61) 1,2-Dibromoethane	11.00	107	112084	20.146	ug/l	98
64) Tetrachloroethene	10.63	164	96015	19.691	ug/l	95
65) Chlorobenzene	11.43	112	282231	19.946	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	105883	20.237	ug/l	99
67) Ethyl Benzene	11.51	91	523884	20.770	ug/l	100
68) m/p-Xylenes	11.62	106	385797	40.758	ug/l	98
69) o-Xylene	11.95	106	185207	20.223	ug/l	98
70) Styrene	11.97	104	296733	19.769	ug/l	99
71) Bromoform	12.13	173	78184	20.386	ug/l	# 100
73) Isopropylbenzene	12.25	105	505679	20.857	ug/l	100
74) N-amyl acetate	12.07	43	226174	20.770	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	164722	20.623	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	149063m	20.297	ug/l	
77) Bromobenzene	12.53	156	119158	20.205	ug/l	99
78) n-propylbenzene	12.59	91	593800	21.018	ug/l	99
79) 2-Chlorotoluene	12.68	91	347440	19.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	429791	20.763	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	55890	20.385	ug/l	99
82) 4-Chlorotoluene	12.78	91	362132	20.125	ug/l	99
83) tert-Butylbenzene	13.00	119	360544	20.332	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	422232	20.548	ug/l	99
85) sec-Butylbenzene	13.18	105	488512	20.907	ug/l	100
86) p-Isopropyltoluene	13.29	119	440837	20.759	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	211387	19.436	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	211972	19.169	ug/l	97
89) n-Butylbenzene	13.62	91	389989	19.861	ug/l	100
90) Hexachloroethane	13.88	117	77346	20.355	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	212636	20.060	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	36943	19.798	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	128995	19.949	ug/l	97
94) Hexachlorobutadiene	15.01	225	68218	20.034	ug/l	98
95) Naphthalene	15.13	128	360952	19.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	120905	19.152	ug/l	97

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

