

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059154.D
 Acq On : 11 Nov 2019 12:41
 Operator : JC/SP
 Sample : VN1111WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1111WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 11:20:09 AM

Quant Time: Nov 12 02:19:41 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	467278	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	754038	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	680492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	298338	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	305594	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
35) Dibromofluoromethane	7.57	113	231627	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.08	98	894977	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
62) 4-Bromofluorobenzene	12.40	95	318808	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	91459	19.426	ug/l	99
3) Chloromethane	2.04	50	122900	19.204	ug/l	100
4) Vinyl Chloride	2.17	62	125858	20.284	ug/l	99
5) Bromomethane	2.54	94	70343	19.701	ug/l	96
6) Chloroethane	2.68	64	75756	20.640	ug/l	98
7) Trichlorofluoromethane	3.00	101	153731	20.714	ug/l	99
8) Diethyl Ether	3.39	74	60687	20.125	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	89416	19.982	ug/l	97
10) Methyl Iodide	3.93	142	104017	18.780	ug/l	98
11) Tert butyl alcohol	4.76	59	115358	105.379	ug/l	98
12) 1,1-Dichloroethene	3.71	96	86038	19.738	ug/l	100
13) Acrolein	3.58	56	43890	77.764	ug/l	97
14) Allyl chloride	4.30	41	173120	19.335	ug/l	96
15) Acrylonitrile	4.95	53	285850	104.926	ug/l	98
16) Acetone	3.79	43	293694	98.323	ug/l	97
17) Carbon Disulfide	4.03	76	246372	18.208	ug/l	99
18) Methyl Acetate	4.30	43	153569	21.660	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	319122	21.264	ug/l	99
20) Methylene Chloride	4.53	84	104397	20.061	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	94351	20.165	ug/l	99
22) Diisopropyl ether	5.92	45	351525	20.785	ug/l	95
23) Vinyl Acetate	5.87	43	1465777	111.827	ug/l	100
24) 1,1-Dichloroethane	5.82	63	193888	20.526	ug/l	98
25) 2-Butanone	6.81	43	410610	104.303	ug/l	100
26) 2,2-Dichloropropane	6.80	77	173082	20.955	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	111750	20.587	ug/l	99
28) Bromochloromethane	7.17	49	58607	20.622	ug/l	99
29) Tetrahydrofuran	7.19	42	264706	105.824	ug/l	100
30) Chloroform	7.35	83	191308	21.112	ug/l	99
31) Cyclohexane	7.63	56	173516	19.404	ug/l	95
32) 1,1,1-Trichloroethane	7.55	97	164425	21.583	ug/l	99
36) 1,1-Dichloropropene	7.77	75	139070	19.732	ug/l	99
37) Ethyl Acetate	6.91	43	166793	21.273	ug/l	100
38) Carbon Tetrachloride	7.75	117	142003	20.243	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	160783	19.656	ug/l	99
40) Benzene	8.02	78	426175	20.080	ug/l	100
41) Methacrylonitrile	7.16	41	69154m	20.283	ug/l	
42) 1,2-Dichloroethane	8.10	62	155348	21.341	ug/l	99
43) Isopropyl Acetate	8.15	43	251951	20.156	ug/l	99
44) Trichloroethene	8.82	130	104101	19.953	ug/l	98
45) 1,2-Dichloropropane	9.10	63	115834	20.093	ug/l	99
46) Dibromomethane	9.19	93	71407	19.877	ug/l	99
47) Bromodichloromethane	9.39	83	148952	20.765	ug/l	99
48) Methyl methacrylate	9.18	41	113530	20.305	ug/l	99
49) 1,4-Dioxane	9.18	88	38475	387.208	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	802810	113.505	ug/l	98
52) Toluene	10.14	92	259418	20.393	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	166774	20.123	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	181129	20.318	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	107100	20.803	ug/l	98
56) Ethyl methacrylate	10.42	69	160176	19.828	ug/l	98
57) 1,3-Dichloropropane	10.70	76	183411	20.699	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	304493	106.273	ug/l	100
59) 2-Hexanone	10.74	43	592036	109.055	ug/l	99
60) Dibromochloromethane	10.90	129	111022	20.396	ug/l	100
61) 1,2-Dibromoethane	11.00	107	107635	20.652	ug/l	99
64) Tetrachloroethene	10.63	164	89516	19.345	ug/l	98
65) Chlorobenzene	11.43	112	275765	20.788	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	102409	20.580	ug/l	99
67) Ethyl Benzene	11.51	91	490706	20.849	ug/l	98
68) m/p-Xylenes	11.62	106	360277	40.865	ug/l	97
69) o-Xylene	11.95	106	174286	20.456	ug/l	98
70) Styrene	11.96	104	272185	20.313	ug/l	98
71) Bromoform	12.12	173	78564	20.297	ug/l #	99
73) Isopropylbenzene	12.25	105	472735	21.784	ug/l	99
74) N-amyl acetate	12.07	43	196271	21.344	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	163752	22.158	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	154815m	22.793	ug/l	
77) Bromobenzene	12.53	156	113409	20.800	ug/l	100
78) n-propylbenzene	12.59	91	537114	21.616	ug/l	100
79) 2-Chlorotoluene	12.67	91	330516	21.442	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	393969	21.425	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	53292	20.724	ug/l	95
82) 4-Chlorotoluene	12.77	91	329246	21.296	ug/l	99
83) tert-Butylbenzene	12.99	119	342916	21.594	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	385271	21.656	ug/l	100
85) sec-Butylbenzene	13.17	105	445963	21.594	ug/l	100
86) p-Isopropyltoluene	13.29	119	391786	21.485	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	192864	20.657	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	189427	20.278	ug/l	99
89) n-Butylbenzene	13.62	91	314484	19.704	ug/l	99
90) Hexachloroethane	13.88	117	75440	20.602	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	194126	21.136	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32899	22.328	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	91349	18.441	ug/l	99
94) Hexachlorobutadiene	15.01	225	61777	19.508	ug/l	99
95) Naphthalene	15.13	128	252888	18.406	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	92582	17.987	ug/l	98

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

