

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110619\
 Data File : VN059103.D
 Acq On : 6 Nov 2019 13:34
 Operator : JC/SP
 Sample : VN1106WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1106WBSD01

Manual Integrations
 APPROVED

MMDadoda
 11/7/2019 9:16:32 AM

Quant Time: Nov 07 04:19:38 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	488524	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	769742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	687805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	309511	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	299847	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
35) Dibromofluoromethane	7.57	113	232206	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.08	98	918174	50.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.44%	
62) 4-Bromofluorobenzene	12.40	95	321614	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.83	85	97886	19.887	ug/l 100
3) Chloromethane	2.04	50	130664	19.529	ug/l 98
4) Vinyl Chloride	2.17	62	129143	19.908	ug/l 99
5) Bromomethane	2.55	94	76166	20.404	ug/l 99
6) Chloroethane	2.68	64	76756	20.003	ug/l 99
7) Trichlorofluoromethane	3.00	101	157334	20.278	ug/l 99
8) Diethyl Ether	3.39	74	64774	20.546	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94875	20.280	ug/l 100
10) Methyl Iodide	3.93	142	116295	20.083	ug/l 99
11) Tert butyl alcohol	4.75	59	118368	103.427	ug/l 99
12) 1,1-Dichloroethene	3.71	96	91821	20.149	ug/l 99
13) Acrolein	3.58	56	59589	100.988	ug/l 97
14) Allyl chloride	4.30	41	187334	20.012	ug/l 98
15) Acrylonitrile	4.96	53	301180	105.745	ug/l 99
16) Acetone	3.79	43	303417	97.161	ug/l 96
17) Carbon Disulfide	4.03	76	277608	19.624	ug/l 100
18) Methyl Acetate	4.30	43	155452	20.972	ug/l 100
19) Methyl tert-butyl Ether	5.01	73	328470	20.935	ug/l 99
20) Methylene Chloride	4.52	84	109734	20.170	ug/l 99
21) trans-1,2-Dichloroethene	5.01	96	99973	20.437	ug/l 97
22) Diisopropyl ether	5.92	45	365792	20.688	ug/l 97
23) Vinyl Acetate	5.87	43	1514870	110.546	ug/l 99
24) 1,1-Dichloroethane	5.82	63	200610	20.314	ug/l 99
25) 2-Butanone	6.81	43	424659	103.180	ug/l 98
26) 2,2-Dichloropropane	6.80	77	167971	19.452	ug/l 99
27) cis-1,2-Dichloroethene	6.81	96	115851	20.414	ug/l 100
28) Bromochloromethane	7.17	49	61415	20.670	ug/l 100
29) Tetrahydrofuran	7.19	42	277764	106.215	ug/l 99
30) Chloroform	7.35	83	192784	20.350	ug/l 99
31) Cyclohexane	7.63	56	185544	19.846	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	165248	20.747	ug/l 100
36) 1,1-Dichloropropene	7.77	75	145911	20.280	ug/l 99
37) Ethyl Acetate	6.90	43	155344	19.408	ug/l 96
38) Carbon Tetrachloride	7.75	117	142634	19.918	ug/l 99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	171124	20.493	ug/l	98
40) Benzene	8.02	78	445238	20.550	ug/l	99
41) Methacrylonitrile	7.15	41	75480	21.687	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	151628	20.405	ug/l	100
43) Isopropyl Acetate	8.14	43	254972	19.981	ug/l	100
44) Trichloroethene	8.82	130	106817	20.056	ug/l	99
45) 1,2-Dichloropropane	9.10	63	120511	20.478	ug/l	98
46) Dibromomethane	9.19	93	73959	20.168	ug/l	99
47) Bromodichloromethane	9.39	83	151669	20.712	ug/l	100
48) Methyl methacrylate	9.18	41	114586	20.076	ug/l	99
49) 1,4-Dioxane	9.18	88	42492	418.910	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	813064	112.610	ug/l	99
52) Toluene	10.15	92	264890	20.398	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	168345	19.898	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	185595	20.394	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	107904	20.531	ug/l	98
56) Ethyl methacrylate	10.42	69	163569	19.834	ug/l	100
57) 1,3-Dichloropropane	10.70	76	184376	20.383	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	329149	112.535	ug/l	100
59) 2-Hexanone	10.74	43	604655	109.107	ug/l	100
60) Dibromochloromethane	10.90	129	111990	20.154	ug/l	100
61) 1,2-Dibromoethane	11.00	107	107433	20.193	ug/l	99
64) Tetrachloroethene	10.63	164	96479	20.629	ug/l	96
65) Chlorobenzene	11.43	112	281439	20.990	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	104419	20.761	ug/l	99
67) Ethyl Benzene	11.51	91	503034	21.146	ug/l	99
68) m/p-Xylenes	11.62	106	366482	41.127	ug/l	98
69) o-Xylene	11.95	106	175545	20.385	ug/l	99
70) Styrene	11.96	104	280642	20.721	ug/l	99
71) Bromoform	12.13	173	78269	20.006	ug/l #	98
73) Isopropylbenzene	12.25	105	478449	21.251	ug/l	100
74) N-amyl acetate	12.07	43	203177	21.297	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	161605	21.078	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	145968m	20.715	ug/l	
77) Bromobenzene	12.53	156	113917	20.139	ug/l	98
78) n-propylbenzene	12.59	91	549529	21.317	ug/l	100
79) 2-Chlorotoluene	12.67	91	328583	20.547	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	401373	21.039	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54212	20.320	ug/l	97
82) 4-Chlorotoluene	12.77	91	333771	20.810	ug/l	99
83) tert-Butylbenzene	12.99	119	343144	20.829	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	395647	21.436	ug/l	98
85) sec-Butylbenzene	13.17	105	448654	20.940	ug/l	99
86) p-Isopropyltoluene	13.29	119	404246	21.368	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	199392	20.585	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	195948	20.219	ug/l	99
89) n-Butylbenzene	13.62	91	341215	20.607	ug/l	99
90) Hexachloroethane	13.88	117	74947	19.729	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	199604	20.948	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	32571	21.308	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	101067	19.464	ug/l	98
94) Hexachlorobutadiene	15.01	225	64222	19.548	ug/l	100
95) Naphthalene	15.13	128	285809	19.780	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	107398	20.112	ug/l	100

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

