

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059335.D
 Acq On : 21 Nov 2019 15:06
 Operator : JC/SP
 Sample : VN1121WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:12:14 PM

Quant Time: Nov 22 06:29:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	404860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	640191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	568855	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	251523	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	217479	44.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.54%	
35) Dibromofluoromethane	7.57	113	172064	44.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.60%	
50) Toluene-d8	10.08	98	686602	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
62) 4-Bromofluorobenzene	12.40	95	242020	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	98191	18.944	ug/l	100
3) Chloromethane	2.04	50	117274	18.469	ug/l	100
4) Vinyl Chloride	2.17	62	124995	19.120	ug/l	99
5) Bromomethane	2.55	94	66964	18.450	ug/l	96
6) Chloroethane	2.68	64	63393	17.768	ug/l	99
7) Trichlorofluoromethane	3.00	101	126893	18.025	ug/l	99
8) Diethyl Ether	3.39	74	53590	18.620	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	80550	18.712	ug/l	100
10) Methyl Iodide	3.93	142	103607	19.366	ug/l	98
11) Tert butyl alcohol	4.75	59	88568	91.066	ug/l	100
12) 1,1-Dichloroethene	3.72	96	79752	18.252	ug/l	99
13) Acrolein	3.58	56	82077	92.449	ug/l	99
14) Allyl chloride	4.30	41	148708	18.218	ug/l	99
15) Acrylonitrile	4.95	53	241004	93.722	ug/l	99
16) Acetone	3.79	43	207711	95.364	ug/l	97
17) Carbon Disulfide	4.03	76	251128	18.427	ug/l	99
18) Methyl Acetate	4.30	43	135863	18.796	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	264680	18.754	ug/l	100
20) Methylene Chloride	4.53	84	90838	18.492	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	85367	18.434	ug/l	99
22) Diisopropyl ether	5.92	45	286468	18.639	ug/l	96
23) Vinyl Acetate	5.87	43	1137493	94.117	ug/l	100
24) 1,1-Dichloroethane	5.82	63	163222	18.868	ug/l	99
25) 2-Butanone	6.81	43	318472	94.031	ug/l	98
26) 2,2-Dichloropropane	6.80	77	137098	18.302	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	95683	18.313	ug/l	98
28) Bromochloromethane	7.18	49	65519	20.070	ug/l	98
29) Tetrahydrofuran	7.19	42	217801	93.001	ug/l	100
30) Chloroform	7.35	83	155903	18.485	ug/l	97
31) Cyclohexane	7.63	56	156063	18.246	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	131994	18.300	ug/l	100
36) 1,1-Dichloropropene	7.77	75	121921	18.448	ug/l	100
37) Ethyl Acetate	6.90	43	127768	17.988	ug/l	99
38) Carbon Tetrachloride	7.75	117	117867	18.629	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	149132	18.713	ug/l	98
40) Benzene	8.02	78	360000	18.559	ug/l	100
41) Methacrylonitrile	7.15	41	55667m	17.654	ug/l	
42) 1,2-Dichloroethane	8.10	62	118411	18.458	ug/l	100
43) Isopropyl Acetate	8.15	43	198325	18.270	ug/l	99
44) Trichloroethene	8.82	130	90932	18.497	ug/l	99
45) 1,2-Dichloropropane	9.11	63	96872	18.728	ug/l	96
46) Dibromomethane	9.20	93	58892	18.562	ug/l	99
47) Bromodichloromethane	9.39	83	116902	18.398	ug/l	99
48) Methyl methacrylate	9.19	41	90168	18.266	ug/l	99
49) 1,4-Dioxane	9.19	88	27555	371.413	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	628174	98.866	ug/l	99
52) Toluene	10.15	92	219230	18.796	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	136475	18.477	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	149509	18.654	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	86772	19.135	ug/l	98
56) Ethyl methacrylate	10.42	69	128628	18.251	ug/l	99
57) 1,3-Dichloropropane	10.70	76	150990	19.103	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	212392	91.450	ug/l	100
59) 2-Hexanone	10.75	43	458457	98.539	ug/l	99
60) Dibromochloromethane	10.90	129	88362	18.491	ug/l	99
61) 1,2-Dibromoethane	11.00	107	88719	18.802	ug/l	99
64) Tetrachloroethene	10.63	164	81051	18.422	ug/l	98
65) Chlorobenzene	11.43	112	225455	18.432	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	84945	19.116	ug/l	98
67) Ethyl Benzene	11.51	91	411118	18.825	ug/l	100
68) m/p-Xylenes	11.62	106	303883	37.446	ug/l	98
69) o-Xylene	11.95	106	147903	19.037	ug/l	99
70) Styrene	11.96	104	228619	18.649	ug/l	99
71) Bromoform	12.13	173	63255	18.797	ug/l #	100
73) Isopropylbenzene	12.25	105	394756	19.159	ug/l	100
74) N-amyl acetate	12.07	43	151697	18.319	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	127348	18.684	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	117445m	20.211	ug/l	
77) Bromobenzene	12.53	156	92404	18.490	ug/l	98
78) n-propylbenzene	12.59	91	455124	19.500	ug/l	100
79) 2-Chlorotoluene	12.68	91	269137	18.787	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	331395	19.133	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42919	18.474	ug/l	98
82) 4-Chlorotoluene	12.77	91	271541	18.317	ug/l	99
83) tert-Butylbenzene	12.99	119	281531	19.245	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	322774	19.024	ug/l	100
85) sec-Butylbenzene	13.17	105	379178	19.285	ug/l	99
86) p-Isopropyltoluene	13.29	119	336270	19.220	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	162698	18.281	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	160652	18.244	ug/l	99
89) n-Butylbenzene	13.62	91	284737	18.552	ug/l	99
90) Hexachloroethane	13.88	117	60010	18.111	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	161149	18.715	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25249	17.424	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	89719	18.706	ug/l	98
94) Hexachlorobutadiene	15.01	225	58638	18.901	ug/l	98
95) Naphthalene	15.13	128	237325	18.158	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	91571	18.659	ug/l	100

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

