

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042919\
 Data File : VN055290.D
 Acq On : 29 Apr 2019 13:47
 Operator : JC/SP
 Sample : VN0429WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0429WBS01

Manual Integrations
 APPROVED

MMDadoda
 4/30/2019 11:59:17 AM

Quant Time: Apr 30 04:51:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 04:20:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	427970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	683569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	587536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213799	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	279166	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
35) Dibromofluoromethane	7.59	113	222962	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.09	98	806278	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	
62) 4-Bromofluorobenzene	12.40	95	254477	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	111029	21.174	ug/l	98
3) Chloromethane	2.06	50	128731	19.827	ug/l	99
4) Vinyl Chloride	2.19	62	103591	19.793	ug/l	99
5) Bromomethane	2.57	94	56914	20.530	ug/l	96
6) Chloroethane	2.71	64	53892	19.008	ug/l	96
7) Trichlorofluoromethane	3.02	101	143933	19.340	ug/l	100
8) Diethyl Ether	3.41	74	51336	19.716	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	86486	19.515	ug/l	99
10) Methyl Iodide	3.96	142	122856	19.698	ug/l	99
11) Tert butyl alcohol	4.79	59	33372	104.109	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	81421	19.259	ug/l	95
13) Acrolein	3.61	56	24700	98.667	ug/l	93
14) Allyl chloride	4.33	41	171370	19.572	ug/l	100
15) Acrylonitrile	4.99	53	177585	98.562	ug/l	99
16) Acetone	3.82	43	164065	94.046	ug/l	99
17) Carbon Disulfide	4.06	76	217284	19.694	ug/l	98
18) Methyl Acetate	4.33	43	87931	20.071	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	241739	20.340	ug/l	96
20) Methylene Chloride	4.56	84	99323	18.653	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	87859	19.623	ug/l	97
22) Diisopropyl ether	5.95	45	351401	20.199	ug/l	97
23) Vinyl Acetate	5.90	43	1171179	102.717	ug/l	100
24) 1,1-Dichloroethane	5.85	63	183191	19.763	ug/l	99
25) 2-Butanone	6.84	43	225782	101.202	ug/l	96
26) 2,2-Dichloropropane	6.83	77	124162	19.398	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	103178	20.264	ug/l	99
28) Bromochloromethane	7.20	49	89750	19.209	ug/l	98
29) Tetrahydrofuran	7.21	42	142854	99.997	ug/l	100
30) Chloroform	7.37	83	170052	19.353	ug/l	98
31) Cyclohexane	7.65	56	172733	19.614	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	141788	19.882	ug/l	98
36) 1,1-Dichloropropene	7.80	75	125973	19.240	ug/l	100
37) Ethyl Acetate	6.93	43	95681	19.067	ug/l	98
38) Carbon Tetrachloride	7.77	117	117279	18.569	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	139468	20.034	ug/l	98
40) Benzene	8.04	78	377803	19.574	ug/l	99
41) Methacrylonitrile	7.18	41	50037	18.891	ug/l	94
42) 1,2-Dichloroethane	8.12	62	133927	19.591	ug/l	99
43) Isopropyl Acetate	8.17	43	159757	19.810	ug/l #	89
44) Trichloroethene	8.84	130	94619	19.229	ug/l	98
45) 1,2-Dichloropropane	9.12	63	108191	19.435	ug/l	100
46) Dibromomethane	9.21	93	61153	20.097	ug/l	97
47) Bromodichloromethane	9.40	83	126003	19.302	ug/l	97
48) Methyl methacrylate	9.20	41	76679	19.341	ug/l	98
49) 1,4-Dioxane	9.20	88	16739	408.445	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	458893	101.069	ug/l	98
52) Toluene	10.16	92	223746	20.203	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	113399	20.011	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	143844	20.358	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	81866	19.907	ug/l	97
56) Ethyl methacrylate	10.43	69	103198	20.387	ug/l	98
57) 1,3-Dichloropropane	10.71	76	143847	19.939	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	138368	96.114	ug/l	99
59) 2-Hexanone	10.75	43	282925	99.591	ug/l	100
60) Dibromochloromethane	10.90	129	82659	19.666	ug/l	97
61) 1,2-Dibromoethane	11.00	107	75881	19.963	ug/l	99
64) Tetrachloroethene	10.63	164	91517	19.047	ug/l	98
65) Chlorobenzene	11.43	112	223943	19.495	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	86468	19.224	ug/l	99
67) Ethyl Benzene	11.51	91	409832	19.757	ug/l	98
68) m/p-Xylenes	11.62	106	298292	40.287	ug/l	98
69) o-Xylene	11.95	106	148105	20.181	ug/l	98
70) Styrene	11.96	104	234173	20.782	ug/l	99
71) Bromoform	12.13	173	49461	19.817	ug/l #	96
73) Isopropylbenzene	12.25	105	396558	21.509	ug/l	100
74) N-amyl acetate	12.07	43	107464	19.586	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	100001	21.814	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	84583m	19.762	ug/l	
77) Bromobenzene	12.53	156	92246	21.354	ug/l	98
78) n-propylbenzene	12.59	91	421296	19.183	ug/l	100
79) 2-Chlorotoluene	12.67	91	262609	21.127	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	320052	19.095	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	20193	17.899	ug/l #	82
82) 4-Chlorotoluene	12.77	91	246130	19.275	ug/l	99
83) tert-Butylbenzene	12.99	119	277409	21.738	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	301775	20.131	ug/l	99
85) sec-Butylbenzene	13.17	105	346754	19.034	ug/l	99
86) p-Isopropyltoluene	13.29	119	295105	19.709	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	140925	19.698	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	132109	19.608	ug/l	99
89) n-Butylbenzene	13.61	91	205720	19.335	ug/l	99
90) Hexachloroethane	13.87	117	49976	20.138	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	139315	19.647	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11990	21.317	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	44561	18.196	ug/l	95
94) Hexachlorobutadiene	15.01	225	48070	20.900	ug/l	97
95) Naphthalene	15.13	128	89537	17.392	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	47506	18.967	ug/l	96

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

