

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071918\
 Data File : VN049933.D
 Acq On : 19 Jul 2018 23:21
 Operator : MD\SY
 Sample : VN0719WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0719WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 11:08:07 AM

Quant Time: Jul 20 03:24:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071818W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 01:58:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	550072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	849808	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	748583	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	381973	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	406851	53.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.62%	
35) Dibromofluoromethane	7.59	113	363260	50.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.84%	
50) Toluene-d8	10.09	98	1307330	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
62) 4-Bromofluorobenzene	12.40	95	421095	47.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	101025	19.26	ug/l	97
3) Chloromethane	2.06	50	144264	19.21	ug/l	99
4) Vinyl Chloride	2.18	62	150119	18.75	ug/l	100
5) Bromomethane	2.56	94	75812	15.62	ug/l	99
6) Chloroethane	2.70	64	97482	18.64	ug/l	99
7) Trichlorofluoromethane	3.01	101	208296	18.92	ug/l	99
8) Diethyl Ether	3.41	74	75871	19.75	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	126460	18.63	ug/l	100
10) Methyl Iodide	3.95	142	119143	13.08	ug/l	98
11) Tert butyl alcohol	4.81	59	49861m	92.57	ug/l	
12) 1,1-Dichloroethene	3.73	96	114567	19.21	ug/l	99
13) Acrolein	3.61	56	28479	82.05	ug/l	100
14) Allyl chloride	4.32	41	179078	19.05	ug/l	98
15) Acrylonitrile	5.00	53	236987	100.05	ug/l	99
16) Acetone	3.82	43	176263	90.05	ug/l	99
17) Carbon Disulfide	4.05	76	313306	17.56	ug/l	100
18) Methyl Acetate	4.33	43	144206	23.00	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	332689	20.27	ug/l	96
20) Methylene Chloride	4.55	84	147862	19.86	ug/l	96
21) trans-1,2-Dichloroethene	5.04	96	124711	19.69	ug/l	97
22) Diisopropyl ether	5.96	45	403452	21.03	ug/l	99
23) Vinyl Acetate	5.90	43	1362499	101.22	ug/l	99
24) 1,1-Dichloroethane	5.85	63	248361	20.17	ug/l	100
25) 2-Butanone	6.84	43	274271	98.04	ug/l	99
26) 2,2-Dichloropropane	6.82	77	161980	16.90	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	139589	20.09	ug/l	98
28) Bromochloromethane	7.20	49	118417	21.29	ug/l	98
29) Tetrahydrofuran	7.22	42	179811	102.03	ug/l	99
30) Chloroform	7.37	83	257758	20.39	ug/l	98
31) Cyclohexane	7.66	56	193386	19.29	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	215270	19.70	ug/l	99
36) 1,1-Dichloropropene	7.79	75	175429	18.57	ug/l	99
37) Ethyl Acetate	6.94	43	123986	19.11	ug/l	99
38) Carbon Tetrachloride	7.77	117	188341	18.61	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	168556	17.27	ug/l	95
40) Benzene	8.04	78	549804	19.09	ug/l	100
41) Methacrylonitrile	7.18	41	65355	20.09	ug/l	96
42) 1,2-Dichloroethane	8.13	62	187151	19.62	ug/l	99
43) Isopropyl Acetate	8.17	43	244212	21.54	ug/l	100
44) Trichloroethene	8.84	130	143942	19.06	ug/l	98
45) 1,2-Dichloropropane	9.12	63	148708	19.14	ug/l	98
46) Dibromomethane	9.21	93	91158	18.92	ug/l	99
47) Bromodichloromethane	9.41	83	195344	19.60	ug/l	99
48) Methyl methacrylate	9.20	41	107248	18.86	ug/l	99
49) 1,4-Dioxane	9.20	88	29233	362.40	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	627767	99.07	ug/l	99
52) Toluene	10.16	92	337174	19.63	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	179689	18.24	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	206173	18.93	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	133323	18.79	ug/l	100
56) Ethyl methacrylate	10.43	69	158209	18.04	ug/l	98
57) 1,3-Dichloropropane	10.71	76	219297	19.62	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	379307	91.12	ug/l	100
59) 2-Hexanone	10.75	43	409370	96.18	ug/l	97
60) Dibromochloromethane	10.90	129	146844	18.87	ug/l	100
61) 1,2-Dibromoethane	11.01	107	128427	19.37	ug/l	100
64) Tetrachloroethene	10.63	164	130628	19.42	ug/l	98
65) Chlorobenzene	11.44	112	365159	19.41	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	141686	19.45	ug/l	99
67) Ethyl Benzene	11.51	91	590911	19.37	ug/l	100
68) m/p-Xylenes	11.62	106	460488	39.87	ug/l	99
69) o-Xylene	11.95	106	217417	19.60	ug/l	100
70) Styrene	11.97	104	364097	20.26	ug/l	100
71) Bromoform	12.13	173	100791	19.34	ug/l #	100
73) Isopropylbenzene	12.25	105	586954	20.23	ug/l	99
74) N-amyl acetate	12.07	43	171880	19.46	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	171543	19.73	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	145202m	20.26	ug/l	
77) Bromobenzene	12.53	156	157469	19.65	ug/l	98
78) n-propylbenzene	12.59	91	666205	20.20	ug/l	100
79) 2-Chlorotoluene	12.68	91	412776	20.38	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	483815	20.80	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	41201	17.98	ug/l	98
82) 4-Chlorotoluene	12.78	91	408066	20.08	ug/l	99
83) tert-Butylbenzene	12.99	119	414188	20.28	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	496155	21.06	ug/l	98
85) sec-Butylbenzene	13.17	105	552093	20.46	ug/l	100
86) p-Isopropyltoluene	13.29	119	461862	20.07	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	271929	19.48	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	263184	18.80	ug/l	99
89) n-Butylbenzene	13.62	91	352520	18.56	ug/l	99
90) Hexachloroethane	13.88	117	96422	18.67	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	272166	19.83	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26602	19.81	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	116240	17.77	ug/l	99
94) Hexachlorobutadiene	15.01	225	82515	18.35	ug/l	99
95) Naphthalene	15.14	128	247226	16.93	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	122036	18.53	ug/l	99

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

