

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071718\
 Data File : VN049850.D
 Acq On : 17 Jul 2018 17:00
 Operator : MD\SY
 Sample : VN0717WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0717WBS01

Manual Integrations
 APPROVED

MMDadoda
 7/18/2018 11:59:15 AM

Quant Time: Jul 18 03:44:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 17 13:20:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	641719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	950286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	869332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	450123	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	452464	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.59	113	398033	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
50) Toluene-d8	10.09	98	1458350	52.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.40	95	492774	53.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	117245	20.22	ug/l	98
3) Chloromethane	2.06	50	159332	20.71	ug/l	99
4) Vinyl Chloride	2.18	62	175785	19.15	ug/l	99
5) Bromomethane	2.56	94	114444	23.06	ug/l	97
6) Chloroethane	2.70	64	109135	20.28	ug/l	99
7) Trichlorofluoromethane	3.01	101	232498	20.62	ug/l	99
8) Diethyl Ether	3.41	74	90220	20.46	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	143334	21.32	ug/l	100
10) Methyl Iodide	3.95	142	191015	20.61	ug/l	99
11) Tert butyl alcohol	4.81	59	75607	110.77	ug/l	99
12) 1,1-Dichloroethene	3.73	96	132320	19.77	ug/l	98
13) Acrolein	3.61	56	61909	118.34	ug/l	99
14) Allyl chloride	4.32	41	215413	20.27	ug/l	99
15) Acrylonitrile	4.99	53	301281	104.92	ug/l	99
16) Acetone	3.82	43	233595	115.51	ug/l	99
17) Carbon Disulfide	4.04	76	375289	20.29	ug/l	99
18) Methyl Acetate	4.33	43	162321	22.34	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	406655	21.75	ug/l	99
20) Methylene Chloride	4.55	84	155060	21.02	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	141516	20.00	ug/l	99
22) Diisopropyl ether	5.96	45	461632	21.73	ug/l	99
23) Vinyl Acetate	5.90	43	1665274	106.56	ug/l	100
24) 1,1-Dichloroethane	5.85	63	272300	20.00	ug/l	99
25) 2-Butanone	6.85	43	365848	103.40	ug/l	99
26) 2,2-Dichloropropane	6.83	77	215852	20.82	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160352	20.21	ug/l	99
28) Bromochloromethane	7.20	49	129549	20.49	ug/l	98
29) Tetrahydrofuran	7.22	42	242249	107.68	ug/l	100
30) Chloroform	7.37	83	277619	19.75	ug/l	98
31) Cyclohexane	7.65	56	227972	20.90	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	236663	19.82	ug/l	99
36) 1,1-Dichloropropene	7.79	75	204092	20.30	ug/l	100
37) Ethyl Acetate	6.94	43	161214	21.50	ug/l	99
38) Carbon Tetrachloride	7.77	117	209545	19.78	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	208727	20.16	ug/l	98
40) Benzene	8.04	78	622318	20.42	ug/l	99
41) Methacrylonitrile	7.18	41	84765	22.01	ug/l	97
42) 1,2-Dichloroethane	8.13	62	204523	19.73	ug/l	100
43) Isopropyl Acetate	8.17	43	279230	21.88	ug/l	98
44) Trichloroethene	8.84	130	161534	20.15	ug/l	99
45) 1,2-Dichloropropane	9.12	63	165037	20.33	ug/l	99
46) Dibromomethane	9.21	93	105443	20.35	ug/l	97
47) Bromodichloromethane	9.40	83	213277	20.26	ug/l	98
48) Methyl methacrylate	9.20	41	134253	21.22	ug/l	98
49) 1,4-Dioxane	9.20	88	42948	447.83	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	814125	108.48	ug/l	99
52) Toluene	10.16	92	381322	20.88	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	215633	20.98	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	241051	20.89	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	149744	19.98	ug/l	99
56) Ethyl methacrylate	10.43	69	200123	22.04	ug/l	99
57) 1,3-Dichloropropane	10.71	76	249741	20.57	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	473352	110.46	ug/l	100
59) 2-Hexanone	10.75	43	558282	108.50	ug/l	99
60) Dibromochloromethane	10.90	129	165631	19.85	ug/l	98
61) 1,2-Dibromoethane	11.01	107	148158	20.17	ug/l	97
64) Tetrachloroethene	10.63	164	147441	19.94	ug/l	97
65) Chlorobenzene	11.44	112	414049	20.09	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	156837	19.82	ug/l	99
67) Ethyl Benzene	11.51	91	702463	21.20	ug/l	100
68) m/p-Xylenes	11.62	106	544722	43.33	ug/l	98
69) o-Xylene	11.95	106	260875	21.76	ug/l	97
70) Styrene	11.97	104	428441	22.05	ug/l	100
71) Bromoform	12.13	173	118941	19.52	ug/l #	100
73) Isopropylbenzene	12.25	105	694215	21.30	ug/l	100
74) N-amyl acetate	12.07	43	229179	21.28	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	205496	19.66	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	175958m	19.98	ug/l	
77) Bromobenzene	12.53	156	187312	20.96	ug/l	97
78) n-propylbenzene	12.59	91	791366	21.58	ug/l	99
79) 2-Chlorotoluene	12.68	91	482685	21.32	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	567912	22.23	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	56060	20.83	ug/l	97
82) 4-Chlorotoluene	12.77	91	481177	21.51	ug/l	99
83) tert-Butylbenzene	12.99	119	491473	21.95	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	581183	22.31	ug/l	100
85) sec-Butylbenzene	13.17	105	654722	21.74	ug/l	100
86) p-Isopropyltoluene	13.29	119	564943	22.18	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	316880	20.63	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	310947	20.61	ug/l	99
89) n-Butylbenzene	13.62	91	451909	21.64	ug/l	99
90) Hexachloroethane	13.88	117	108861	20.97	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	318226	20.38	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34124	21.78	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	161044	23.16	ug/l	98
94) Hexachlorobutadiene	15.01	225	98405	20.17	ug/l	98
95) Naphthalene	15.14	128	404214	22.65	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	167825	22.82	ug/l	99

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

