

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052285.D
 Acq On : 13 Nov 2018 14:37
 Operator : MD\SY
 Sample : VN1113WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1113WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/14/2018 11:10:23 AM

Quant Time: Nov 14 01:18:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	275999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	476413	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	425396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	180598	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	188806	50.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.04%	
35) Dibromofluoromethane	7.59	113	150660	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
50) Toluene-d8	10.09	98	584989	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.40	95	184005	47.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	61487	20.492	ug/l	98
3) Chloromethane	2.06	50	80401	19.192	ug/l	94
4) Vinyl Chloride	2.19	62	67559	19.356	ug/l	95
5) Bromomethane	2.57	94	41682	18.822	ug/l	95
6) Chloroethane	2.71	64	39541	19.077	ug/l	100
7) Trichlorofluoromethane	3.02	101	97003	19.965	ug/l	99
8) Diethyl Ether	3.42	74	35658	18.655	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	57680	18.504	ug/l	97
10) Methyl Iodide	3.96	142	78812	19.486	ug/l	98
11) Tert butyl alcohol	4.78	59	21334	110.263	ug/l #	85
12) 1,1-Dichloroethene	3.74	96	54629	18.933	ug/l	96
13) Acrolein	3.61	56	25033	106.099	ug/l	99
14) Allyl chloride	4.33	41	110605	18.309	ug/l	98
15) Acrylonitrile	4.99	53	115802	97.380	ug/l	98
16) Acetone	3.82	43	91982	89.559	ug/l	99
17) Carbon Disulfide	4.06	76	152684	18.241	ug/l	100
18) Methyl Acetate	4.33	43	60221	19.093	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	159207	19.313	ug/l	99
20) Methylene Chloride	4.55	84	65406	19.008	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	57211	18.244	ug/l	90
22) Diisopropyl ether	5.95	45	233312	19.266	ug/l	99
23) Vinyl Acetate	5.90	43	811625	97.672	ug/l	100
24) 1,1-Dichloroethane	5.85	63	123598	19.323	ug/l	99
25) 2-Butanone	6.84	43	145745	90.514	ug/l	100
26) 2,2-Dichloropropane	6.83	77	85233	18.244	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	68008	19.374	ug/l	99
28) Bromochloromethane	7.20	49	61276	19.387	ug/l	99
29) Tetrahydrofuran	7.21	42	98483	93.978	ug/l	99
30) Chloroform	7.37	83	116456	19.238	ug/l	99
31) Cyclohexane	7.66	56	117517	19.452	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	97201	19.700	ug/l	100
36) 1,1-Dichloropropene	7.80	75	90605	18.842	ug/l	99
37) Ethyl Acetate	6.93	43	66555	18.402	ug/l	99
38) Carbon Tetrachloride	7.77	117	83007	19.048	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	100971	18.409	ug/l	97
40) Benzene	8.04	78	264811	19.234	ug/l	99
41) Methacrylonitrile	7.18	41	39194	18.650	ug/l	98
42) 1,2-Dichloroethane	8.13	62	91227	18.885	ug/l	100
43) Isopropyl Acetate	8.17	43	125066	19.839	ug/l #	91
44) Trichloroethene	8.84	130	65758	19.060	ug/l	97
45) 1,2-Dichloropropane	9.12	63	73133	19.014	ug/l	98
46) Dibromomethane	9.21	93	43564	19.718	ug/l	97
47) Bromodichloromethane	9.40	83	86831	18.969	ug/l	99
48) Methyl methacrylate	9.20	41	62882	18.931	ug/l	98
49) 1,4-Dioxane	9.20	88	10907	408.470	ug/l	93
51) 4-Methyl-2-Pentanone	9.99	43	330003	94.788	ug/l	99
52) Toluene	10.16	92	156958	18.899	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	84740	18.760	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	101672	19.067	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	57500	19.155	ug/l	96
56) Ethyl methacrylate	10.43	69	77635	19.136	ug/l	99
57) 1,3-Dichloropropane	10.71	76	102885	19.146	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	219975	97.922	ug/l	99
59) 2-Hexanone	10.75	43	218507	89.405	ug/l	99
60) Dibromochloromethane	10.90	129	59412	19.512	ug/l	100
61) 1,2-Dibromoethane	11.01	107	56717	19.225	ug/l	99
64) Tetrachloroethene	10.63	164	56279	18.896	ug/l	99
65) Chlorobenzene	11.43	112	171262	19.000	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	59102	19.357	ug/l	98
67) Ethyl Benzene	11.51	91	301571	19.021	ug/l	99
68) m/p-Xylenes	11.62	106	222795	37.733	ug/l	99
69) o-Xylene	11.95	106	108368	19.211	ug/l	99
70) Styrene	11.96	104	171179	18.782	ug/l	98
71) Bromoform	12.13	173	33879	18.600	ug/l #	99
73) Isopropylbenzene	12.25	105	286538	19.409	ug/l	99
74) N-amyl acetate	12.07	43	104470	19.492	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	69873	19.306	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	65496m	20.498	ug/l	
77) Bromobenzene	12.53	156	65654	18.999	ug/l	95
78) n-propylbenzene	12.59	91	334496	19.345	ug/l	100
79) 2-Chlorotoluene	12.67	91	197121	19.679	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	233115	19.855	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	17163	18.335	ug/l	88
82) 4-Chlorotoluene	12.77	91	198211	19.721	ug/l	98
83) tert-Butylbenzene	12.99	119	196414	19.162	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	232529	19.643	ug/l	99
85) sec-Butylbenzene	13.17	105	272231	19.367	ug/l	100
86) p-Isopropyltoluene	13.29	119	229964	19.555	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	115291	19.165	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	115375	19.157	ug/l	99
89) n-Butylbenzene	13.61	91	197519	18.863	ug/l	98
90) Hexachloroethane	13.87	117	39634	19.202	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	113255	19.291	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10325	20.067	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	49075	21.139	ug/l	98
94) Hexachlorobutadiene	15.01	225	25666	20.345	ug/l	99
95) Naphthalene	15.13	128	113912	19.909	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	45388	20.678	ug/l	99

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

