

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050534.D
 Acq On : 10 Aug 2018 22:48
 Operator : MD\SY
 Sample : VN0810WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/13/2018 11:05:51 AM

Quant Time: Aug 11 05:28:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	621183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	917831	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	820755	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	415549	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	402849	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
35) Dibromofluoromethane	7.59	113	371023	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
50) Toluene-d8	10.09	98	1343951	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.40	95	432521	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	124852	18.11	ug/l	99
3) Chloromethane	2.06	50	161071	18.86	ug/l	99
4) Vinyl Chloride	2.18	62	172223	19.30	ug/l	98
5) Bromomethane	2.56	94	96297	22.35	ug/l	97
6) Chloroethane	2.70	64	105572	19.20	ug/l	99
7) Trichlorofluoromethane	3.01	101	227770	19.76	ug/l	100
8) Diethyl Ether	3.41	74	80650	19.08	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	141640	19.88	ug/l	99
10) Methyl Iodide	3.95	142	71845	22.89	ug/l	97
11) Tert butyl alcohol	4.80	59	49324	73.98	ug/l	98
12) 1,1-Dichloroethene	3.73	96	128884	19.19	ug/l	98
13) Acrolein	3.61	56	34998	52.95	ug/l	97
14) Allyl chloride	4.33	41	196243	18.20	ug/l	97
15) Acrylonitrile	5.00	53	247367	88.57	ug/l	99
16) Acetone	3.82	43	220388	88.81	ug/l	99
17) Carbon Disulfide	4.05	76	370483	16.97	ug/l	99
18) Methyl Acetate	4.33	43	132079	20.42	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	356144	18.68	ug/l	99
20) Methylene Chloride	4.55	84	154743	19.50	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	141044	19.41	ug/l	99
22) Diisopropyl ether	5.96	45	448719	20.37	ug/l	97
23) Vinyl Acetate	5.90	43	1456583	92.66	ug/l	99
24) 1,1-Dichloroethane	5.85	63	272163	20.13	ug/l	100
25) 2-Butanone	6.84	43	342272	83.22	ug/l	97
26) 2,2-Dichloropropane	6.83	77	168439	15.11	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	157390	19.54	ug/l	97
28) Bromochloromethane	7.20	49	129265	20.77	ug/l	99
29) Tetrahydrofuran	7.22	42	184771	83.94	ug/l	99
30) Chloroform	7.37	83	273761	20.26	ug/l	99
31) Cyclohexane	7.66	56	222778	18.33	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	229248	19.75	ug/l	98
36) 1,1-Dichloropropene	7.80	75	197581	19.59	ug/l	99
37) Ethyl Acetate	6.93	43	129204	17.79	ug/l	100
38) Carbon Tetrachloride	7.78	117	204321	19.42	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	191805	17.42	ug/l	98
40) Benzene	8.05	78	612874	19.77	ug/l	99
41) Methacrylonitrile	7.18	41	69631	18.03	ug/l #	75
42) 1,2-Dichloroethane	8.13	62	194689	19.78	ug/l	99
43) Isopropyl Acetate	8.17	43	236421	18.86	ug/l	98
44) Trichloroethene	8.84	130	157587	18.92	ug/l	99
45) 1,2-Dichloropropane	9.12	63	164432	20.17	ug/l	98
46) Dibromomethane	9.21	93	97447	19.36	ug/l	99
47) Bromodichloromethane	9.40	83	205896	19.75	ug/l	100
48) Methyl methacrylate	9.20	41	110290	17.55	ug/l	99
49) 1,4-Dioxane	9.20	88	30219	312.00	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	796943	88.27	ug/l	100
52) Toluene	10.16	92	369556	19.84	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	185138	17.69	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	224820	19.24	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	140244	19.29	ug/l	98
56) Ethyl methacrylate	10.43	69	164671	17.17	ug/l	98
57) 1,3-Dichloropropane	10.71	76	229710	19.25	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	394517	87.22	ug/l	99
59) 2-Hexanone	10.75	43	514453	81.64	ug/l	99
60) Dibromochloromethane	10.90	129	154827	19.33	ug/l	99
61) 1,2-Dibromoethane	11.01	107	133651	18.65	ug/l	98
64) Tetrachloroethene	10.63	164	151693	19.78	ug/l	98
65) Chlorobenzene	11.44	112	397078	19.30	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	151480	20.23	ug/l	99
67) Ethyl Benzene	11.51	91	650660	19.56	ug/l	99
68) m/p-Xylenes	11.62	106	511309	40.38	ug/l	100
69) o-Xylene	11.95	106	239864	19.67	ug/l	99
70) Styrene	11.97	104	396330	19.98	ug/l	99
71) Bromoform	12.13	173	100778	18.41	ug/l #	98
73) Isopropylbenzene	12.25	105	638563	20.47	ug/l	100
74) N-amyl acetate	12.07	43	177573	17.56	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175749	19.53	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141021m	18.75	ug/l	
77) Bromobenzene	12.53	156	169124	20.24	ug/l	99
78) n-propylbenzene	12.59	91	724091	20.51	ug/l	100
79) 2-Chlorotoluene	12.68	91	445092	20.41	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	522464	20.63	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	35178	16.43	ug/l	97
82) 4-Chlorotoluene	12.77	91	441769	20.31	ug/l	98
83) tert-Butylbenzene	12.99	119	446968	20.23	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	538587	21.00	ug/l	100
85) sec-Butylbenzene	13.17	105	587908	19.97	ug/l	100
86) p-Isopropyltoluene	13.29	119	502321	19.91	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	292993	19.68	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	284053	19.11	ug/l	98
89) n-Butylbenzene	13.62	91	379420	17.66	ug/l	99
90) Hexachloroethane	13.88	117	88588	19.74	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	290767	19.49	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24661	16.14	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	130996	17.24	ug/l	99
94) Hexachlorobutadiene	15.01	225	83286	19.05	ug/l	99
95) Naphthalene	15.13	128	259959	15.60	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	128524	16.73	ug/l	99

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

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