

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049663.D
 Acq On : 2 Jul 2018 12:32
 Operator : MD\SY
 Sample : VN0702WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0702WBS01

Manual Integrations
 APPROVED

sam
 7/3/2018 3:51:26 PM

Quant Time: Jul 03 04:03:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1334136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1997940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1789240	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	943582	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	844849	47.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.90%	
35) Dibromofluoromethane	7.59	113	734015	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
50) Toluene-d8	10.09	98	2826332	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
62) 4-Bromofluorobenzene	12.40	95	965293	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	290479	19.32	ug/l	98
3) Chloromethane	2.06	50	363145	19.34	ug/l	98
4) Vinyl Chloride	2.18	62	397375	19.70	ug/l	99
5) Bromomethane	2.57	94	205968	19.44	ug/l	97
6) Chloroethane	2.70	64	246661	19.32	ug/l	98
7) Trichlorofluoromethane	3.02	101	488666	21.21	ug/l	99
8) Diethyl Ether	3.41	74	184195	19.73	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	329869	19.90	ug/l	99
10) Methyl Iodide	3.95	142	457959	22.08	ug/l	100
11) Tert butyl alcohol	4.79	59	111970	110.75	ug/l #	87
12) 1,1-Dichloroethene	3.73	96	305695	19.51	ug/l	100
13) Acrolein	3.61	56	74367	78.75	ug/l	99
14) Allyl chloride	4.32	41	465939	21.65	ug/l	99
15) Acrylonitrile	4.99	53	519323	99.45	ug/l	97
16) Acetone	3.82	43	395013	107.07	ug/l	100
17) Carbon Disulfide	4.05	76	891818	20.47	ug/l	100
18) Methyl Acetate	4.33	43	303951	15.74	ug/l	99
19) Methyl tert-butyl Ether	5.04	73	812068	20.10	ug/l	100
20) Methylene Chloride	4.54	84	355020	19.57	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	316320	19.61	ug/l	99
22) Diisopropyl ether	5.95	45	971261	19.94	ug/l	98
23) Vinyl Acetate	5.90	43	3101569	98.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	606317	19.76	ug/l	100
25) 2-Butanone	6.84	43	604015	103.27	ug/l	98
26) 2,2-Dichloropropane	6.82	77	503420	19.76	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	355362	19.73	ug/l	100
28) Bromochloromethane	7.19	49	253302	19.45	ug/l	100
29) Tetrahydrofuran	7.21	42	389892	104.59	ug/l	99
30) Chloroform	7.37	83	602971	19.28	ug/l	97
31) Cyclohexane	7.65	56	545411	20.30	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	525656	19.85	ug/l	100
36) 1,1-Dichloropropene	7.79	75	450932	20.06	ug/l	100
37) Ethyl Acetate	6.93	43	284067	21.67	ug/l	98
38) Carbon Tetrachloride	7.77	117	442254	20.23	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	501271	20.34	ug/l	99
40) Benzene	8.04	78	1373421	20.01	ug/l	100
41) Methacrylonitrile	7.17	41	133170	18.02	ug/l	93
42) 1,2-Dichloroethane	8.13	62	426919	19.49	ug/l	99
43) Isopropyl Acetate	8.17	43	519917	19.62	ug/l #	88
44) Trichloroethene	8.83	130	393305	19.00	ug/l	97
45) 1,2-Dichloropropane	9.12	63	357404	20.15	ug/l	99
46) Dibromomethane	9.21	93	213615	19.91	ug/l	98
47) Bromodichloromethane	9.40	83	456275	19.98	ug/l	98
48) Methyl methacrylate	9.20	41	242226	20.79	ug/l	99
49) 1,4-Dioxane	9.20	88	65735	419.69	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	1337042	104.02	ug/l	99
52) Toluene	10.16	92	850348	20.51	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	428970	19.62	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	507780	19.87	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	302204	19.57	ug/l	99
56) Ethyl methacrylate	10.43	69	369924	20.44	ug/l	99
57) 1,3-Dichloropropane	10.71	76	507717	20.28	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	761480	88.06	ug/l	100
59) 2-Hexanone	10.75	43	909576	107.01	ug/l	99
60) Dibromochloromethane	10.90	129	337074	20.20	ug/l	99
61) 1,2-Dibromoethane	11.01	107	296574	20.05	ug/l	99
64) Tetrachloroethene	10.63	164	462344	19.08	ug/l	99
65) Chlorobenzene	11.44	112	904289	19.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	334838	19.96	ug/l	100
67) Ethyl Benzene	11.51	91	1544772	20.02	ug/l	100
68) m/p-Xylenes	11.62	106	1223292	41.37	ug/l	99
69) o-Xylene	11.95	106	584126	20.63	ug/l	96
70) Styrene	11.97	104	937286	20.46	ug/l	99
71) Bromoform	12.13	173	225759	20.26	ug/l #	98
73) Isopropylbenzene	12.25	105	1519583	20.22	ug/l	99
74) N-amyl acetate	12.07	43	404195	19.69	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	345181	21.31	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	340606m	22.51	ug/l	
77) Bromobenzene	12.53	156	386968	18.93	ug/l	100
78) n-propylbenzene	12.59	91	1775520	20.61	ug/l	100
79) 2-Chlorotoluene	12.68	91	1069570	19.62	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	1301979	20.85	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	87997	19.75	ug/l	99
82) 4-Chlorotoluene	12.78	91	1075077	19.61	ug/l	100
83) tert-Butylbenzene	12.99	119	1080612	20.14	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1329381	20.71	ug/l	99
85) sec-Butylbenzene	13.17	105	1474884	20.75	ug/l	99
86) p-Isopropyltoluene	13.29	119	1288023	20.92	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	699704	19.88	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	685249	19.89	ug/l	100
89) n-Butylbenzene	13.62	91	1034613	19.63	ug/l	99
90) Hexachloroethane	13.88	117	154794	23.93	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	690999	20.12	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	56879	21.10	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	293262	18.46	ug/l	99
94) Hexachlorobutadiene	15.01	225	228638	21.54	ug/l	100
95) Naphthalene	15.14	128	572073	17.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	299052	19.16	ug/l	99

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

