

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051587.D
 Acq On : 27 Sep 2018 17:15
 Operator : MD\SY
 Sample : VN0927WBSD03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD03

Manual Integrations
 APPROVED

MMDadoda
 9/28/2018 5:08:28 PM

Quant Time: Sep 27 17:53:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	496686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	727430	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	638424	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	318193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	297263	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
35) Dibromofluoromethane	7.59	113	265693	45.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.36%	
50) Toluene-d8	10.09	98	950737	43.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.80%	
62) 4-Bromofluorobenzene	12.40	95	313454	44.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	110569	23.861	ug/l	97
3) Chloromethane	2.06	50	157448	21.344	ug/l	96
4) Vinyl Chloride	2.18	62	179735	22.076	ug/l	97
5) Bromomethane	2.57	94	82427	16.933	ug/l	98
6) Chloroethane	2.70	64	88506	17.446	ug/l	100
7) Trichlorofluoromethane	3.01	101	208025	19.507	ug/l	100
8) Diethyl Ether	3.41	74	69135	18.958	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	123502	20.520	ug/l	98
10) Methyl Iodide	3.96	142	141743	17.907	ug/l	97
11) Tert butyl alcohol	4.79	59	40125	114.268	ug/l #	93
12) 1,1-Dichloroethene	3.74	96	111218	20.126	ug/l	98
13) Acrolein	3.61	56	23980	68.772	ug/l	98
14) Allyl chloride	4.33	41	193816	20.904	ug/l	99
15) Acrylonitrile	4.99	53	212678	111.339	ug/l	99
16) Acetone	3.82	43	158324	100.079	ug/l	98
17) Carbon Disulfide	4.05	76	344209	21.201	ug/l	99
18) Methyl Acetate	4.33	43	118733	25.057	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	303739	21.314	ug/l	99
20) Methylene Chloride	4.55	84	135751	22.049	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	120986	21.401	ug/l	97
22) Diisopropyl ether	5.96	45	422940	23.599	ug/l	98
23) Vinyl Acetate	5.90	43	1329763	113.015	ug/l	99
24) 1,1-Dichloroethane	5.85	63	245204	22.930	ug/l	99
25) 2-Butanone	6.84	43	241584	113.441	ug/l	100
26) 2,2-Dichloropropane	6.83	77	188387	22.569	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	134823	21.735	ug/l	98
28) Bromochloromethane	7.20	49	95310	19.301	ug/l	96
29) Tetrahydrofuran	7.22	42	163046	120.815	ug/l	98
30) Chloroform	7.37	83	237872	22.450	ug/l	100
31) Cyclohexane	7.66	56	216459	22.094	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	202070	22.308	ug/l	99
36) 1,1-Dichloropropene	7.80	75	176880	20.998	ug/l	98
37) Ethyl Acetate	6.93	43	107946	22.287	ug/l	98
38) Carbon Tetrachloride	7.77	117	181993	20.655	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	196027	19.906	ug/l	97
40) Benzene	8.04	78	538710	21.780	ug/l	99
41) Methacrylonitrile	7.18	41	53291m	19.888	ug/l	
42) 1,2-Dichloroethane	8.13	62	174318	22.010	ug/l	99
43) Isopropyl Acetate	8.17	43	208856	23.847	ug/l #	92
44) Trichloroethene	8.84	130	136455	20.771	ug/l	100
45) 1,2-Dichloropropane	9.12	63	147539	21.944	ug/l	100
46) Dibromomethane	9.21	93	85665	22.550	ug/l	93
47) Bromodichloromethane	9.40	83	180056	21.418	ug/l	97
48) Methyl methacrylate	9.20	41	100590	23.037	ug/l	93
49) 1,4-Dioxane	9.20	88	24655	460.722	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	550516	114.295	ug/l	98
52) Toluene	10.16	92	324197	21.091	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	171531	20.210	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	205777	20.906	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	117193	21.573	ug/l	95
56) Ethyl methacrylate	10.43	69	139851	21.056	ug/l	98
57) 1,3-Dichloropropane	10.71	76	197867	21.250	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	314258	100.675	ug/l	98
59) 2-Hexanone	10.75	43	339189	108.629	ug/l	97
60) Dibromochloromethane	10.90	129	130485	20.358	ug/l	99
61) 1,2-Dibromoethane	11.01	107	110709	20.993	ug/l	100
64) Tetrachloroethene	10.63	164	133347	23.015	ug/l	98
65) Chlorobenzene	11.43	112	344552	21.035	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	132402	21.216	ug/l	99
67) Ethyl Benzene	11.51	91	568671	20.601	ug/l	99
68) m/p-Xylenes	11.62	106	446258	41.794	ug/l	99
69) o-Xylene	11.95	106	211314	20.586	ug/l	96
70) Styrene	11.97	104	333285	20.490	ug/l	99
71) Bromoform	12.13	173	87967	20.774	ug/l #	98
73) Isopropylbenzene	12.25	105	561355	20.909	ug/l	100
74) N-amyl acetate	12.07	43	149599	22.209	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	146181	23.350	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	131538m	24.902	ug/l	
77) Bromobenzene	12.53	156	137937	20.296	ug/l	93
78) n-propylbenzene	12.59	91	645068	21.319	ug/l	98
79) 2-Chlorotoluene	12.67	91	389221	21.490	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	472653	21.591	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36562	21.284	ug/l	96
82) 4-Chlorotoluene	12.77	91	380919	21.072	ug/l	98
83) tert-Butylbenzene	12.99	119	408473	20.963	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	472738	21.430	ug/l	99
85) sec-Butylbenzene	13.17	105	558827	21.200	ug/l	98
86) p-Isopropyltoluene	13.29	119	471479	20.671	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	241013	20.492	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	229780	20.305	ug/l	99
89) n-Butylbenzene	13.62	91	371235	19.793	ug/l	99
90) Hexachloroethane	13.87	117	92956	20.454	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	239970	21.029	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	21370	23.919	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	97297	19.905	ug/l	98
94) Hexachlorobutadiene	15.01	225	86434	20.019	ug/l	99
95) Naphthalene	15.14	128	170302	20.123	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	100218	18.300	ug/l	99

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

