

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091918\
 Data File : VN051323.D
 Acq On : 19 Sep 2018 16:53
 Operator : MD\SY
 Sample : VN0919WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0919WBSD02

Manual Integrations
 APPROVED

MMDadoda
 9/20/2018 1:42:09 PM

Quant Time: Sep 20 02:14:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091718W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 18 06:04:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	515932	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	716293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	637115	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295232	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	279508	49.85	ug/l	0.00
Spiked Amount			Recovery	=	99.70%	
35) Dibromofluoromethane	7.59	113	276032	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
50) Toluene-d8	10.09	98	1018942	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	311584	47.61	ug/l	0.00
Spiked Amount			Recovery	=	95.22%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	95060	19.00	ug/l	98
3) Chloromethane	2.06	50	123533	18.75	ug/l	98
4) Vinyl Chloride	2.18	62	124100	18.37	ug/l	99
5) Bromomethane	2.57	94	73421	18.73	ug/l	98
6) Chloroethane	2.70	64	75871	18.83	ug/l	99
7) Trichlorofluoromethane	3.01	101	174490	18.85	ug/l	99
8) Diethyl Ether	3.41	74	58558	19.33	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	107015	18.50	ug/l	100
10) Methyl Iodide	3.95	142	93676	20.23	ug/l	99
11) Tert butyl alcohol	4.79	59	30893	100.05	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	98008	18.76	ug/l	95
13) Acrolein	3.61	56	33878	79.50	ug/l	99
14) Allyl chloride	4.33	41	138969	18.02	ug/l	98
15) Acrylonitrile	4.99	53	161284	99.84	ug/l	99
16) Acetone	3.82	43	110463	83.48	ug/l	98
17) Carbon Disulfide	4.05	76	282561	17.53	ug/l	99
18) Methyl Acetate	4.33	43	79964	20.54	ug/l	99
19) Methyl tert-butyl Ether	5.06	73	249950	19.96	ug/l	100
20) Methylene Chloride	4.56	84	113472	18.49	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	104866	18.31	ug/l	97
22) Diisopropyl ether	5.96	45	301160	20.16	ug/l	96
23) Vinyl Acetate	5.90	43	950520	98.21	ug/l	100
24) 1,1-Dichloroethane	5.85	63	191943	19.22	ug/l	99
25) 2-Butanone	6.84	43	166507	92.70	ug/l	98
26) 2,2-Dichloropropane	6.83	77	140183	17.26	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	116448	19.03	ug/l	97
28) Bromochloromethane	7.20	49	82702	18.80	ug/l	99
29) Tetrahydrofuran	7.22	42	112333	101.15	ug/l	98
30) Chloroform	7.37	83	195708	19.19	ug/l	99
31) Cyclohexane	7.66	56	161178	17.78	ug/l	94
32) 1,1,1-Trichloroethane	7.57	97	167802	19.17	ug/l	99
36) 1,1-Dichloropropene	7.80	75	142489	18.38	ug/l	99
37) Ethyl Acetate	6.93	43	72737	18.25	ug/l #	94
38) Carbon Tetrachloride	7.78	117	154414	19.10	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	151371	17.97	ug/l	98
40) Benzene	8.04	78	448882	19.46	ug/l	99
41) Methacrylonitrile	7.17	41	30219	14.77	ug/l #	72
42) 1,2-Dichloroethane	8.13	62	132563	19.54	ug/l	100
43) Isopropyl Acetate	8.17	43	144586	20.96	ug/l	100
44) Trichloroethene	8.84	130	122688	18.92	ug/l	99
45) 1,2-Dichloropropane	9.12	63	114941	19.65	ug/l	97
46) Dibromomethane	9.21	93	71457	20.06	ug/l	98
47) Bromodichloromethane	9.40	83	147433	19.41	ug/l	97
48) Methyl methacrylate	9.20	41	66546	20.03	ug/l	100
49) 1,4-Dioxane	9.20	88	20274	421.87	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	380397	106.89	ug/l	100
52) Toluene	10.16	92	279902	20.27	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	136053	19.07	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	163949	19.24	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	101335	20.52	ug/l	99
56) Ethyl methacrylate	10.43	69	112186	19.18	ug/l	98
57) 1,3-Dichloropropane	10.71	76	164853	20.49	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	242314	92.32	ug/l	100
59) 2-Hexanone	10.75	43	230763	98.48	ug/l	99
60) Dibromochloromethane	10.90	129	117714	20.26	ug/l	99
61) 1,2-Dibromoethane	11.01	107	96413	20.31	ug/l	96
64) Tetrachloroethene	10.63	164	115346	19.07	ug/l	98
65) Chlorobenzene	11.43	112	305275	19.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	117263	19.65	ug/l	99
67) Ethyl Benzene	11.51	91	484296	19.28	ug/l	98
68) m/p-Xylenes	11.62	106	389627	39.94	ug/l	100
69) o-Xylene	11.95	106	185957	20.00	ug/l	99
70) Styrene	11.96	104	289526	18.41	ug/l	100
71) Bromoform	12.13	173	80177	20.26	ug/l #	100
73) Isopropylbenzene	12.25	105	486125	19.52	ug/l	100
74) N-amyl acetate	12.07	43	95760	18.74	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	119660	21.47	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	99150m	23.06	ug/l	
77) Bromobenzene	12.53	156	127324	19.91	ug/l	99
78) n-propylbenzene	12.59	91	517675	19.28	ug/l	99
79) 2-Chlorotoluene	12.67	91	325909	19.09	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	400042	20.10	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	25568	19.23	ug/l	95
82) 4-Chlorotoluene	12.77	91	313572	19.31	ug/l	100
83) tert-Butylbenzene	12.99	119	346528	19.70	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	394041	20.38	ug/l	100
85) sec-Butylbenzene	13.17	105	441575	19.77	ug/l	100
86) p-Isopropyltoluene	13.29	119	379907	20.28	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	203336	18.49	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	194114	18.89	ug/l	98
89) n-Butylbenzene	13.62	91	250801	17.66	ug/l	99
90) Hexachloroethane	13.87	117	73042	19.47	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	202191	19.64	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	14669	20.30	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62752	16.37	ug/l	99
94) Hexachlorobutadiene	15.01	225	67650	19.18	ug/l	98
95) Naphthalene	15.13	128	111534	16.57	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	68522	17.28	ug/l	99

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

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