

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001115.D
 Acq On : 29 Jan 2018 12:29
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 1/30/2018 5:46:51 PM

Quant Time: Jan 30 00:56:25 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 00:46:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	317821	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	447830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	416647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	231586	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	30950	10.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.04%	
35) Dibromofluoromethane	7.88	113	29477	10.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.58%	
50) Toluene-d8	10.33	98	111246	10.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.18%	
62) 4-Bromofluorobenzene	12.63	95	41268	10.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.32%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	25998	9.65	ug/l	95
3) Chloromethane	2.22	50	22674	9.64	ug/l	96
4) Vinyl Chloride	2.36	62	23633	10.09	ug/l	94
5) Bromomethane	2.76	94	18707	8.67	ug/l	99
6) Chloroethane	2.91	64	14035	10.56	ug/l	98
7) Trichlorofluoromethane	3.26	101	44189	10.15	ug/l	97
8) Diethyl Ether	3.68	74	11415	10.08	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.05	101	29809	10.30	ug/l	98
10) Methyl Iodide	4.26	142	27485	8.99	ug/l	99
11) Tert butyl alcohol	5.20	59	12322	49.44	ug/l	98
12) 1,1-Dichloroethene	4.03	96	25216	9.97	ug/l	98
13) Acrolein	3.90	56	18234	45.73	ug/l	100
14) Allyl chloride	4.67	41	36406	9.63	ug/l	99
15) Acrylonitrile	5.38	53	36285	47.19	ug/l	100
16) Acetone	4.14	43	37449	46.10	ug/l	95
17) Carbon Disulfide	4.37	76	77592	9.88	ug/l	99
18) Methyl Acetate	4.68	43	18035	9.19	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	62101	9.49	ug/l	98
20) Methylene Chloride	4.91	84	32081	9.97	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	28429	10.06	ug/l	97
22) Diisopropyl ether	6.32	45	72387	10.00	ug/l	95
23) Vinyl Acetate	6.26	43	213372	49.19	ug/l	100
24) 1,1-Dichloroethane	6.21	63	47025	9.95	ug/l	98
25) 2-Butanone	7.18	43	49427	46.35	ug/l	98
26) 2,2-Dichloropropane	7.17	77	47286	10.12	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	29661	9.84	ug/l	97
28) Bromochloromethane	7.51	49	19024	9.91	ug/l	96
29) Tetrahydrofuran	7.54	42	27373	44.95	ug/l	99
30) Chloroform	7.68	83	53220	10.40	ug/l	95
31) Cyclohexane	7.95	56	46635	10.17	ug/l	# 87
32) 1,1,1-Trichloroethane	7.87	97	49126	10.14	ug/l	98
36) 1,1-Dichloropropene	8.08	75	40461	10.01	ug/l	99
37) Ethyl Acetate	7.26	43	20129	9.42	ug/l	97
38) Carbon Tetrachloride	8.07	117	44780	9.92	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	43901	9.20	ug/l	99
40) Benzene	8.32	78	113206	10.11	ug/l	100
41) Methacrylonitrile	7.49	41	10581	8.92	ug/l #	89
42) 1,2-Dichloroethane	8.40	62	35770	10.16	ug/l	100
43) Isopropyl Acetate	8.43	43	34646	9.42	ug/l	99
44) Trichloroethene	9.09	130	33326	9.92	ug/l	94
45) 1,2-Dichloropropane	9.38	63	27296	10.13	ug/l	97
46) Dibromomethane	9.46	93	16657	9.88	ug/l	100
47) Bromodichloromethane	9.65	83	37524	9.84	ug/l	97
48) Methyl methacrylate	9.45	41	15873	9.03	ug/l	98
49) 1,4-Dioxane	9.45	88	5516	183.64	ug/l #	95
51) 4-Methyl-2-Pentanone	10.22	43	92710	46.14	ug/l	98
52) Toluene	10.40	92	71829	9.99	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	36701	9.54	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	42241	9.83	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	24044	10.01	ug/l	97
56) Ethyl methacrylate	10.66	69	24702	8.77	ug/l	97
57) 1,3-Dichloropropane	10.94	76	38396	9.83	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	60276	52.58	ug/l	99
59) 2-Hexanone	10.98	43	67967	44.71	ug/l	100
60) Dibromochloromethane	11.14	129	28680	9.79	ug/l	99
61) 1,2-Dibromoethane	11.24	107	23833	9.84	ug/l	99
64) Tetrachloroethene	10.87	164	34255	10.22	ug/l	98
65) Chlorobenzene	11.67	112	85150	10.13	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	30368	9.90	ug/l	99
67) Ethyl Benzene	11.74	91	135427	9.65	ug/l	95
68) m/p-Xylenes	11.85	106	108349	19.82	ug/l	98
69) o-Xylene	12.18	106	48727	9.67	ug/l	99
70) Styrene	12.19	104	79201	9.56	ug/l	98
71) Bromoform	12.36	173	18771	9.47	ug/l #	100
73) Isopropylbenzene	12.48	105	137282	9.46	ug/l	100
74) N-amyl acetate	12.29	43	29980	9.05	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	27960	9.42	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	24762m	8.77	ug/l	
77) Bromobenzene	12.76	156	36416	9.67	ug/l	96
78) n-propylbenzene	12.82	91	166552	9.59	ug/l	100
79) 2-Chlorotoluene	12.91	91	96298	9.69	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	119126	9.60	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	7882	8.83	ug/l	95
82) 4-Chlorotoluene	13.01	91	105150	9.92	ug/l	97
83) tert-Butylbenzene	13.22	119	102369	9.34	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	120292	9.53	ug/l	99
85) sec-Butylbenzene	13.40	105	147327	9.50	ug/l	99
86) p-Isopropyltoluene	13.52	119	130249	9.45	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	74265	9.99	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	74569	9.98	ug/l	97
89) n-Butylbenzene	13.84	91	120543	9.39	ug/l	99
90) Hexachloroethane	14.11	117	24370	9.48	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	68428	10.05	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5323	8.89	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	47528	9.49	ug/l	99
94) Hexachlorobutadiene	15.26	225	29529	9.53	ug/l	97
95) Naphthalene	15.39	128	86543	8.76	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	44736	9.69	ug/l	98

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

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