

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001116.D
 Acq On : 29 Jan 2018 12:54
 Operator : JC/SY
 Sample : VSTDIC020
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 1/30/2018 5:46:52 PM

Quant Time: Jan 30 00:57:49 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	301552	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	419529	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	390226	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	211953	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	57990	19.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.56%	
35) Dibromofluoromethane	7.88	113	50959	18.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.98%	
50) Toluene-d8	10.33	98	206267	19.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.94%	
62) 4-Bromofluorobenzene	12.63	95	74393	19.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	48700	19.06	ug/l	98
3) Chloromethane	2.22	50	44970	20.15	ug/l	97
4) Vinyl Chloride	2.36	62	44093	19.84	ug/l	98
5) Bromomethane	2.73	94	31661	20.51	ug/l	97
6) Chloroethane	2.90	64	24422	19.36	ug/l	96
7) Trichlorofluoromethane	3.25	101	80593	19.52	ug/l	98
8) Diethyl Ether	3.68	74	20151	18.75	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	56077	20.41	ug/l	99
10) Methyl Iodide	4.26	142	52203	18.00	ug/l	98
11) Tert butyl alcohol	5.20	59	21383	90.43	ug/l	95
12) 1,1-Dichloroethene	4.02	96	47470	19.78	ug/l	99
13) Acrolein	3.89	56	37523	99.19	ug/l	97
14) Allyl chloride	4.66	41	67624	18.86	ug/l	97
15) Acrylonitrile	5.37	53	67667	92.75	ug/l	100
16) Acetone	4.14	43	73659	95.56	ug/l	96
17) Carbon Disulfide	4.36	76	145258	19.49	ug/l	98
18) Methyl Acetate	4.68	43	32822	17.96	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	119997	19.32	ug/l	97
20) Methylene Chloride	4.90	84	54797	20.02	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	52511	19.59	ug/l	99
22) Diisopropyl ether	6.32	45	139909	20.37	ug/l	96
23) Vinyl Acetate	6.26	43	368828	89.61	ug/l	99
24) 1,1-Dichloroethane	6.21	63	89426	19.95	ug/l	100
25) 2-Butanone	7.18	43	90804	89.75	ug/l	99
26) 2,2-Dichloropropane	7.17	77	87785	19.80	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	56879	19.89	ug/l	99
28) Bromochloromethane	7.51	49	36595	20.09	ug/l	# 100
29) Tetrahydrofuran	7.53	42	53372	92.37	ug/l	100
30) Chloroform	7.68	83	96378	19.84	ug/l	99
31) Cyclohexane	7.95	56	84333	19.39	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	91639	19.94	ug/l	100
36) 1,1-Dichloropropene	8.08	75	75514	19.94	ug/l	100
37) Ethyl Acetate	7.26	43	36880	18.42	ug/l	99
38) Carbon Tetrachloride	8.07	117	82970	19.61	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	86854	19.42	ug/l	96
40) Benzene	8.32	78	210093	20.03	ug/l	100
41) Methacrylonitrile	7.49	41	21180	19.07	ug/l	95
42) 1,2-Dichloroethane	8.40	62	65632	19.90	ug/l	99
43) Isopropyl Acetate	8.43	43	65878	19.12	ug/l	99
44) Trichloroethene	9.09	130	62778	19.94	ug/l	98
45) 1,2-Dichloropropane	9.37	63	50537	20.01	ug/l	95
46) Dibromomethane	9.46	93	31269	19.80	ug/l	99
47) Bromodichloromethane	9.65	83	70712	19.79	ug/l	99
48) Methyl methacrylate	9.45	41	30761	18.68	ug/l	98
49) 1,4-Dioxane	9.45	88	11075	393.58	ug/l	95
51) 4-Methyl-2-Pentanone	10.22	43	177787	94.45	ug/l	99
52) Toluene	10.40	92	136896	20.33	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	70207	19.47	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	78842	19.59	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	44909	19.95	ug/l	98
56) Ethyl methacrylate	10.66	69	50335	19.07	ug/l	99
57) 1,3-Dichloropropane	10.95	76	72478	19.80	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	121233	86.04	ug/l	100
59) 2-Hexanone	10.98	43	133662	93.86	ug/l	98
60) Dibromochloromethane	11.14	129	53353	19.45	ug/l	98
61) 1,2-Dibromoethane	11.24	107	43551	19.18	ug/l	98
64) Tetrachloroethene	10.87	164	61937	19.74	ug/l	96
65) Chlorobenzene	11.67	112	156911	19.94	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	56518	19.67	ug/l	98
67) Ethyl Benzene	11.74	91	257929	19.63	ug/l	98
68) m/p-Xylenes	11.85	106	205954	40.24	ug/l	98
69) o-Xylene	12.18	106	94796	20.08	ug/l	98
70) Styrene	12.19	104	156954	20.23	ug/l	99
71) Bromoform	12.36	173	35729	19.24	ug/l	# 97
73) Isopropylbenzene	12.48	105	264358	19.91	ug/l	99
74) N-amyl acetate	12.29	43	58732	19.37	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	52674	19.40	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	39378m	15.25	ug/l	
77) Bromobenzene	12.76	156	67852	19.69	ug/l	99
78) n-propylbenzene	12.82	91	319066	20.07	ug/l	100
79) 2-Chlorotoluene	12.91	91	182171	20.03	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	226509	19.95	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	13953	17.08	ug/l	98
82) 4-Chlorotoluene	13.01	91	196045	20.22	ug/l	99
83) tert-Butylbenzene	13.22	119	197644	19.70	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	235481	20.38	ug/l	98
85) sec-Butylbenzene	13.40	105	281661	19.85	ug/l	100
86) p-Isopropyltoluene	13.52	119	252404	20.00	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	137727	20.24	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	136488	19.96	ug/l	99
89) n-Butylbenzene	13.84	91	232642	19.79	ug/l	99
90) Hexachloroethane	14.11	117	46076	19.58	ug/l	99
91) 1,2-Dichlorobenzene	13.88	146	124952	20.06	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	10063	18.37	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	92757	20.24	ug/l	100
94) Hexachlorobutadiene	15.26	225	57100	20.15	ug/l	98
95) Naphthalene	15.39	128	176245	19.49	ug/l	99
96) 1,2,3-Trichlorobenzene	15.58	180	85731	20.28	ug/l	98

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

