

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012918\
 Data File : VW001146.D
 Acq On : 30 Jan 2018 03:00
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/30/2018 5:46:59 PM

Quant Time: Jan 30 15:14:39 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012918S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 30 01:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	306368	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	416726	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	389225	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	210249	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	134127	45.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.06%	
35) Dibromofluoromethane	7.88	113	120307	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
50) Toluene-d8	10.33	98	494904	48.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.48%	
62) 4-Bromofluorobenzene	12.63	95	177231	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	116958	45.05	ug/l	99
3) Chloromethane	2.21	50	97966	43.20	ug/l	98
4) Vinyl Chloride	2.36	62	99529	44.08	ug/l	99
5) Bromomethane	2.74	94	76604	57.74	ug/l	98
6) Chloroethane	2.90	64	56474	44.08	ug/l	100
7) Trichlorofluoromethane	3.25	101	193225	46.05	ug/l	99
8) Diethyl Ether	3.67	74	49130	45.00	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.04	101	130679	46.82	ug/l	98
10) Methyl Iodide	4.26	142	101362	34.39	ug/l	99
11) Tert butyl alcohol	5.19	59	64563	269.79	ug/l	99
12) 1,1-Dichloroethene	4.02	96	114134	46.81	ug/l	96
13) Acrolein	3.89	56	78653	204.64	ug/l	100
14) Allyl chloride	4.66	41	161256	44.27	ug/l	99
15) Acrylonitrile	5.37	53	187375	252.79	ug/l	99
16) Acetone	4.13	43	190304	243.00	ug/l	99
17) Carbon Disulfide	4.36	76	346724	45.79	ug/l	98
18) Methyl Acetate	4.68	43	90335	49.29	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	301401	47.76	ug/l	99
20) Methylene Chloride	4.91	84	126604	48.83	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	126773	46.55	ug/l	99
22) Diisopropyl ether	6.31	45	333478	47.78	ug/l	99
23) Vinyl Acetate	6.26	43	897074	214.54	ug/l	100
24) 1,1-Dichloroethane	6.21	63	212402	46.64	ug/l	97
25) 2-Butanone	7.18	43	249174	242.40	ug/l	98
26) 2,2-Dichloropropane	7.17	77	186910	41.49	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	135926	46.80	ug/l	99
28) Bromochloromethane	7.51	49	88796	47.97	ug/l	99
29) Tetrahydrofuran	7.54	42	152913	260.48	ug/l	99
30) Chloroform	7.67	83	230995	46.81	ug/l	98
31) Cyclohexane	7.95	56	193984	43.89	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	217746	46.63	ug/l	100
36) 1,1-Dichloropropene	8.08	75	179030	47.59	ug/l	99
37) Ethyl Acetate	7.26	43	99675	50.11	ug/l	99
38) Carbon Tetrachloride	8.07	117	199366	47.45	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	212414	47.82	ug/l	99
40) Benzene	8.32	78	501973	48.19	ug/l	99
41) Methacrylonitrile	7.49	41	51223	46.43	ug/l	92
42) 1,2-Dichloroethane	8.40	62	158898	48.51	ug/l	100
43) Isopropyl Acetate	8.43	43	168491	49.24	ug/l	99
44) Trichloroethene	9.09	130	149238	47.72	ug/l	98
45) 1,2-Dichloropropane	9.37	63	122635	48.89	ug/l	97
46) Dibromomethane	9.46	93	76327	48.66	ug/l	99
47) Bromodichloromethane	9.65	83	171927	48.44	ug/l	99
48) Methyl methacrylate	9.45	41	84060	51.40	ug/l	98
49) 1,4-Dioxane	9.45	88	30732	1099.49	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	490567	262.38	ug/l	100
52) Toluene	10.40	92	326876	48.87	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	166443	46.48	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	185706	46.45	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	108156	48.37	ug/l	97
56) Ethyl methacrylate	10.65	69	133660	50.99	ug/l	99
57) 1,3-Dichloropropane	10.94	76	177001	48.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	442575	253.62	ug/l	100
59) 2-Hexanone	10.98	43	367988	260.16	ug/l	100
60) Dibromochloromethane	11.13	129	133114	48.85	ug/l	99
61) 1,2-Dibromoethane	11.24	107	109290	48.47	ug/l	99
64) Tetrachloroethene	10.87	164	167859	53.63	ug/l	97
65) Chlorobenzene	11.66	112	371373	47.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	136068	47.47	ug/l	99
67) Ethyl Benzene	11.74	91	634445	48.41	ug/l	97
68) m/p-Xylenes	11.85	106	496693	97.28	ug/l	99
69) o-Xylene	12.18	106	231591	49.19	ug/l	99
70) Styrene	12.19	104	386083	49.89	ug/l	100
71) Bromoform	12.36	173	91601	49.46	ug/l #	99
73) Isopropylbenzene	12.48	105	650959	49.43	ug/l	100
74) N-amyl acetate	12.29	43	151340	50.32	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	133247	49.47	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	180440	84.68	ug/l #	100
77) Bromobenzene	12.76	156	164882	48.23	ug/l	100
78) n-propylbenzene	12.82	91	765158	48.53	ug/l	100
79) 2-Chlorotoluene	12.91	91	437306	48.46	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	553755	49.17	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	34841	42.99	ug/l	98
82) 4-Chlorotoluene	13.01	91	459372	47.75	ug/l	99
83) tert-Butylbenzene	13.23	119	484952	48.73	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	565682	49.36	ug/l	99
85) sec-Butylbenzene	13.40	105	682922	48.52	ug/l	100
86) p-Isopropyltoluene	13.51	119	617192	49.31	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	321025	47.56	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	317318	46.78	ug/l	99
89) n-Butylbenzene	13.84	91	556673	47.74	ug/l	100
90) Hexachloroethane	14.11	117	110258	47.24	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	293700	47.53	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27207	50.07	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	206602	45.44	ug/l	100
94) Hexachlorobutadiene	15.26	225	133416	47.45	ug/l	99
95) Naphthalene	15.39	128	431827	48.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	187468	44.71	ug/l	99

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

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