

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000961.D
 Acq On : 24 Jan 2018 21:07
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/25/2018 1:34:00 PM

Quant Time: Jan 25 06:01:29 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W012318S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 23 13:31:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	277091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	365168	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	332015	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	177650	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	120668	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
35) Dibromofluoromethane	7.88	113	107634	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
50) Toluene-d8	10.33	98	445369	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	12.63	95	156538	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	127247	47.63	ug/l	98
3) Chloromethane	2.22	50	103904	44.01	ug/l	94
4) Vinyl Chloride	2.36	62	100096	45.58	ug/l	99
5) Bromomethane	2.75	94	71322	49.22	ug/l	99
6) Chloroethane	2.90	64	54676	44.80	ug/l	98
7) Trichlorofluoromethane	3.25	101	188077	46.51	ug/l	100
8) Diethyl Ether	3.68	74	44978	44.40	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.04	101	132797	50.83	ug/l	99
10) Methyl Iodide	4.26	142	109573	40.58	ug/l	100
11) Tert butyl alcohol	5.19	59	72902	253.12	ug/l	96
12) 1,1-Dichloroethene	4.03	96	114899	51.17	ug/l	96
13) Acrolein	3.89	56	64228	228.40	ug/l	98
14) Allyl chloride	4.66	41	162396	46.42	ug/l	99
15) Acrylonitrile	5.37	53	194750	246.13	ug/l	99
16) Acetone	4.13	43	224980	209.26	ug/l	100
17) Carbon Disulfide	4.37	76	359314	48.45	ug/l	99
18) Methyl Acetate	4.67	43	93091	47.65	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	282197	48.92	ug/l	98
20) Methylene Chloride	4.91	84	115038	47.97	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	123770	47.44	ug/l	97
22) Diisopropyl ether	6.32	45	305187	48.72	ug/l	99
23) Vinyl Acetate	6.26	43	883698	227.05	ug/l	98
24) 1,1-Dichloroethane	6.21	63	197446	47.09	ug/l	99
25) 2-Butanone	7.18	43	288275	245.35	ug/l	100
26) 2,2-Dichloropropane	7.17	77	193246	45.53	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	125614	46.59	ug/l	98
28) Bromochloromethane	7.51	49	80911	45.94	ug/l	98
29) Tetrahydrofuran	7.53	42	165209	255.55	ug/l	99
30) Chloroform	7.68	83	207821	45.95	ug/l	97
31) Cyclohexane	7.95	56	200954	46.43	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	205532	47.03	ug/l	99
36) 1,1-Dichloropropene	8.08	75	178619	51.27	ug/l	100
37) Ethyl Acetate	7.26	43	100324	51.01	ug/l	99
38) Carbon Tetrachloride	8.07	117	194980	50.73	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	221598	52.80	ug/l	97
40) Benzene	8.32	78	467179	49.31	ug/l	99
41) Methacrylonitrile	7.49	41	60902	55.17	ug/l	99
42) 1,2-Dichloroethane	8.40	62	142183	48.71	ug/l	99
43) Isopropyl Acetate	8.43	43	169925	50.97	ug/l	100
44) Trichloroethene	9.09	130	140882	50.05	ug/l	98
45) 1,2-Dichloropropane	9.37	63	109230	49.42	ug/l	99
46) Dibromomethane	9.46	93	68449	48.47	ug/l	98
47) Bromodichloromethane	9.65	83	152657	48.88	ug/l	98
48) Methyl methacrylate	9.44	41	83525	52.16	ug/l	97
49) 1,4-Dioxane	9.45	88	35290	1143.34	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	512097	266.93	ug/l	99
52) Toluene	10.40	92	301458	50.37	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	152883	48.32	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	171131	49.16	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	98308	49.85	ug/l	99
56) Ethyl methacrylate	10.65	69	127308	48.24	ug/l	99
57) 1,3-Dichloropropane	10.94	76	160432	49.82	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	378418	251.67	ug/l	100
59) 2-Hexanone	10.98	43	395912	235.64	ug/l	99
60) Dibromochloromethane	11.14	129	117206	49.21	ug/l	100
61) 1,2-Dibromoethane	11.24	107	101758	49.53	ug/l	98
64) Tetrachloroethene	10.87	164	145034	52.63	ug/l	99
65) Chlorobenzene	11.67	112	334143	49.05	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	120039	49.08	ug/l	99
67) Ethyl Benzene	11.74	91	588498	51.14	ug/l	99
68) m/p-Xylenes	11.85	106	460360	102.93	ug/l	99
69) o-Xylene	12.18	106	211146	51.48	ug/l	99
70) Styrene	12.19	104	345217	51.63	ug/l	100
71) Bromoform	12.36	173	83203	50.14	ug/l #	99
73) Isopropylbenzene	12.48	105	604536	52.66	ug/l	99
74) N-amyl acetate	12.29	43	149238	53.54	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	127350	51.91	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	97974m	47.66	ug/l	
77) Bromobenzene	12.76	156	146239	50.07	ug/l	100
78) n-propylbenzene	12.82	91	718064	51.85	ug/l	99
79) 2-Chlorotoluene	12.91	91	397212	50.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	511242	52.35	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	34893	43.25	ug/l	99
82) 4-Chlorotoluene	13.01	91	417583	50.31	ug/l	99
83) tert-Butylbenzene	13.23	119	452297	52.86	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	513893	52.04	ug/l	99
85) sec-Butylbenzene	13.40	105	646846	52.39	ug/l	100
86) p-Isopropyltoluene	13.52	119	578050	52.78	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	285947	49.36	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	282227	48.72	ug/l	100
89) n-Butylbenzene	13.84	91	539792	52.47	ug/l	99
90) Hexachloroethane	14.11	117	102079	50.14	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	262063	50.22	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29983	55.37	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	199598	51.32	ug/l	99
94) Hexachlorobutadiene	15.26	225	128905	52.29	ug/l	99
95) Naphthalene	15.39	128	463568	56.47	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	186458	52.12	ug/l	99

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

