

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000940.D
 Acq On : 24 Jan 2018 10:20
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/25/2018 1:33:53 PM

Quant Time: Jan 24 15:14:31 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	268079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	362601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	331751	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	176883	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	124594	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	
35) Dibromofluoromethane	7.88	113	113137	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
50) Toluene-d8	10.33	98	459354	52.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.90%	
62) 4-Bromofluorobenzene	12.63	95	161130	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	2.00	85	130979	50.67	ug/l	99
3) Chloromethane	2.21	50	111491	48.81	ug/l	100
4) Vinyl Chloride	2.35	62	106792	50.26	ug/l	99
5) Bromomethane	2.75	94	80968	60.59	ug/l	97
6) Chloroethane	2.91	64	60083	50.89	ug/l	99
7) Trichlorofluoromethane	3.26	101	198606	50.76	ug/l	96
8) Diethyl Ether	3.68	74	47051	48.01	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.05	101	118271	46.79	ug/l	99
10) Methyl Iodide	4.26	142	116335	44.06	ug/l	99
11) Tert butyl alcohol	5.18	59	71273	255.78	ug/l	99
12) 1,1-Dichloroethene	4.03	96	99848	45.96	ug/l	95
13) Acrolein	3.89	56	52819	194.15	ug/l	98
14) Allyl chloride	4.67	41	166639	49.23	ug/l	99
15) Acrylonitrile	5.37	53	175203	228.87	ug/l	99
16) Acetone	4.13	43	210506	202.46	ug/l	99
17) Carbon Disulfide	4.37	76	374749	52.23	ug/l	99
18) Methyl Acetate	4.67	43	78859	41.72	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	271379	48.63	ug/l	94
20) Methylene Chloride	4.91	84	118288	51.18	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	128366	50.86	ug/l	95
22) Diisopropyl ether	6.32	45	312518	51.57	ug/l	99
23) Vinyl Acetate	6.26	43	913334	242.55	ug/l	97
24) 1,1-Dichloroethane	6.21	63	205354	50.62	ug/l	99
25) 2-Butanone	7.18	43	254483	223.87	ug/l	99
26) 2,2-Dichloropropane	7.17	77	203379	49.53	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	129624	49.69	ug/l	98
28) Bromochloromethane	7.51	49	82455	48.39	ug/l	100
29) Tetrahydrofuran	7.53	42	142015	227.06	ug/l	99
30) Chloroform	7.68	83	216991	49.60	ug/l	99
31) Cyclohexane	7.95	56	198868	47.49	ug/l	100
32) 1,1,1-Trichloroethane	7.87	97	214016	50.62	ug/l	98
36) 1,1-Dichloropropene	8.08	75	181149	52.36	ug/l	99
37) Ethyl Acetate	7.26	43	91636	46.92	ug/l	98
38) Carbon Tetrachloride	8.07	117	198301	51.96	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	217617	52.22	ug/l	95
40) Benzene	8.32	78	485051	51.56	ug/l	99
41) Methacrylonitrile	7.49	41	55031	50.21	ug/l	95
42) 1,2-Dichloroethane	8.40	62	146764	50.63	ug/l	99
43) Isopropyl Acetate	8.43	43	155290	46.91	ug/l	99
44) Trichloroethene	9.09	130	142080	50.83	ug/l	99
45) 1,2-Dichloropropane	9.37	63	113594	51.76	ug/l	99
46) Dibromomethane	9.46	93	69533	49.59	ug/l	99
47) Bromodichloromethane	9.65	83	158382	51.07	ug/l	99
48) Methyl methacrylate	9.44	41	76289	47.98	ug/l	99
49) 1,4-Dioxane	9.45	88	27816	907.58	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	446920	234.61	ug/l	99
52) Toluene	10.40	92	310038	52.17	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	159984	50.92	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	178421	51.62	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	98919	50.52	ug/l	99
56) Ethyl methacrylate	10.66	69	117806	45.17	ug/l	99
57) 1,3-Dichloropropane	10.94	76	161215	50.42	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	339428	229.83	ug/l	100
59) 2-Hexanone	10.98	43	353318	213.27	ug/l	100
60) Dibromochloromethane	11.14	129	120282	50.86	ug/l	100
61) 1,2-Dibromoethane	11.24	107	99303	48.68	ug/l	100
64) Tetrachloroethene	10.87	164	136883	49.71	ug/l	97
65) Chlorobenzene	11.67	112	346917	50.97	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	126009	51.56	ug/l	99
67) Ethyl Benzene	11.74	91	603741	52.51	ug/l	100
68) m/p-Xylenes	11.85	106	474810	106.25	ug/l	99
69) o-Xylene	12.18	106	215336	52.54	ug/l	99
70) Styrene	12.19	104	356788	53.41	ug/l	99
71) Bromoform	12.37	173	82296	49.63	ug/l #	99
73) Isopropylbenzene	12.48	105	610150	53.38	ug/l	99
74) N-amyl acetate	12.29	43	136172	49.06	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	122352	50.09	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	96215m	47.01	ug/l	
77) Bromobenzene	12.76	156	150713	51.83	ug/l	98
78) n-propylbenzene	12.82	91	739368	53.62	ug/l	99
79) 2-Chlorotoluene	12.91	91	412356	53.01	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	519004	53.38	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	33401	41.76	ug/l	95
82) 4-Chlorotoluene	13.01	91	439301	53.16	ug/l	100
83) tert-Butylbenzene	13.22	119	451448	52.99	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	532976	54.20	ug/l	100
85) sec-Butylbenzene	13.40	105	643293	52.32	ug/l	100
86) p-Isopropyltoluene	13.52	119	585209	53.66	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	298951	51.83	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	298563	51.77	ug/l	99
89) n-Butylbenzene	13.84	91	545475	53.25	ug/l	100
90) Hexachloroethane	14.12	117	104507	51.56	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	266687	51.33	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25481	47.26	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	201934	52.15	ug/l	100
94) Hexachlorobutadiene	15.26	225	126406	51.50	ug/l	99
95) Naphthalene	15.40	128	432098	52.87	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	187139	52.54	ug/l	99

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

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