

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW012418\
 Data File : VW000963.D
 Acq On : 24 Jan 2018 22:21
 Operator : JC/SY
 Sample : VSTDCCC050
 Misc : 5.0G/5.0ML/MSVOA W/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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

Quant Time: Jan 25 06:05:06 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	268237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	364394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	329712	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	176935	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	117247	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
35) Dibromofluoromethane	7.88	113	104608	46.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.72%	
50) Toluene-d8	10.33	98	430443	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	12.63	95	153855	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	133958	51.79	ug/l	98
3) Chloromethane	2.22	50	111475	48.77	ug/l	99
4) Vinyl Chloride	2.36	62	103731	48.79	ug/l	99
5) Bromomethane	2.75	94	70636	50.66	ug/l	97
6) Chloroethane	2.90	64	56338	47.69	ug/l	97
7) Trichlorofluoromethane	3.25	101	200690	51.26	ug/l	98
8) Diethyl Ether	3.68	74	46492	47.41	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	139872	55.31	ug/l	100
10) Methyl Iodide	4.26	142	119092	44.96	ug/l	98
11) Tert butyl alcohol	5.19	59	69058	247.69	ug/l #	91
12) 1,1-Dichloroethene	4.03	96	119052	54.77	ug/l	99
13) Acrolein	3.89	56	64831	238.16	ug/l	98
14) Allyl chloride	4.66	41	168965	49.89	ug/l	100
15) Acrylonitrile	5.37	53	198733	259.46	ug/l	99
16) Acetone	4.13	43	225649	216.76	ug/l	97
17) Carbon Disulfide	4.37	76	374344	52.14	ug/l	100
18) Methyl Acetate	4.68	43	91052	48.15	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	299273	53.60	ug/l	98
20) Methylene Chloride	4.91	84	119597	51.75	ug/l	98
21) trans-1,2-Dichloroethene	5.42	96	127636	50.54	ug/l	96
22) Diisopropyl ether	6.32	45	325123	53.62	ug/l	99
23) Vinyl Acetate	6.26	43	940524	249.62	ug/l	98
24) 1,1-Dichloroethane	6.22	63	207320	51.08	ug/l	98
25) 2-Butanone	7.18	43	288174	253.36	ug/l	98
26) 2,2-Dichloropropane	7.17	77	200914	48.90	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	134084	51.37	ug/l	98
28) Bromochloromethane	7.51	49	81710	47.93	ug/l	99
29) Tetrahydrofuran	7.54	42	167601	267.81	ug/l	99
30) Chloroform	7.68	83	223193	50.98	ug/l	100
31) Cyclohexane	7.95	56	207777	49.59	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	217657	51.45	ug/l	99
36) 1,1-Dichloropropene	8.08	75	185051	53.22	ug/l	99
37) Ethyl Acetate	7.26	43	101633	51.79	ug/l	98
38) Carbon Tetrachloride	8.07	117	202761	52.86	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	228057	54.46	ug/l	96
40) Benzene	8.32	78	496866	52.56	ug/l	99
41) Methacrylonitrile	7.49	41	61249	55.60	ug/l	96
42) 1,2-Dichloroethane	8.40	62	152549	52.37	ug/l	100
43) Isopropyl Acetate	8.43	43	176884	53.17	ug/l	100
44) Trichloroethene	9.09	130	147060	52.35	ug/l	96
45) 1,2-Dichloropropane	9.37	63	115545	52.39	ug/l	99
46) Dibromomethane	9.46	93	73783	52.36	ug/l	99
47) Bromodichloromethane	9.65	83	164670	52.84	ug/l	97
48) Methyl methacrylate	9.45	41	86986	54.44	ug/l	98
49) 1,4-Dioxane	9.45	88	35339	1147.36	ug/l	98
51) 4-Methyl-2-Pentanone	10.22	43	520001	271.63	ug/l	99
52) Toluene	10.40	92	318408	53.31	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	165075	52.28	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	179792	51.76	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	104086	52.90	ug/l	98
56) Ethyl methacrylate	10.66	69	134225	50.78	ug/l	99
57) 1,3-Dichloropropane	10.94	76	171135	53.26	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	377975	251.88	ug/l	100
59) 2-Hexanone	10.98	43	401363	239.16	ug/l	99
60) Dibromochloromethane	11.14	129	126936	53.41	ug/l	100
61) 1,2-Dibromoethane	11.24	107	107968	52.67	ug/l	99
64) Tetrachloroethene	10.87	164	155966	57.00	ug/l	98
65) Chlorobenzene	11.67	112	357530	52.85	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	130972	53.92	ug/l	99
67) Ethyl Benzene	11.74	91	621751	54.41	ug/l	99
68) m/p-Xylenes	11.85	106	484942	109.19	ug/l	100
69) o-Xylene	12.18	106	221491	54.38	ug/l	98
70) Styrene	12.20	104	368740	55.54	ug/l	100
71) Bromoform	12.36	173	88797	53.88	ug/l	99
73) Isopropylbenzene	12.48	105	629041	55.02	ug/l	100
74) N-amyl acetate	12.29	43	156148	56.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	134945	55.22	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	104048m	50.82	ug/l	
77) Bromobenzene	12.76	156	155824	53.57	ug/l	100
78) n-propylbenzene	12.82	91	747936	54.22	ug/l	99
79) 2-Chlorotoluene	12.91	91	416984	53.59	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	531015	54.60	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	36996	45.75	ug/l	98
82) 4-Chlorotoluene	13.01	91	441264	53.38	ug/l	99
83) tert-Butylbenzene	13.23	119	468302	54.95	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	539137	54.81	ug/l	99
85) sec-Butylbenzene	13.40	105	663705	53.97	ug/l	100
86) p-Isopropyltoluene	13.52	119	597028	54.73	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	304162	52.72	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	298672	51.77	ug/l	99
89) n-Butylbenzene	13.84	91	552692	53.94	ug/l	100
90) Hexachloroethane	14.12	117	106993	52.77	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	276730	53.25	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30091	55.80	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	206470	53.31	ug/l	99
94) Hexachlorobutadiene	15.26	225	133036	54.18	ug/l	99
95) Naphthalene	15.39	128	480651	58.79	ug/l	100
96) 1,2,3-Trichlorobenzene	15.58	180	195708	54.93	ug/l	100

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

