SDMS DocID 2232369

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ORIGINAL

CERTIFIED MAIL

Received
6-29-04 by
V. Janosik, RPM

Mr. Victor Janosik, RPM (3HS22)
Western PA Section
United States Environmental Protection Agency, Region 3
1650 Arch Street
Philadelphia, PA 19103-2029

June 23, 2004

Reference: ISVS Data for The Lord Shope Landfill

Dear Mr. Janosik:

Enclosed is a spreadsheet that contains both the influent and effluent data you requested for the ISVS system. The data is 2004 YTD.

If you have any additional questions, please feel free to call me at any time.

Sincerely,
LORD CORPORATION

George M. Kickel
Manager, Environmental Services

Cc: [redacted] Brown and Caldwell, Inc.
Gary Mechtly, PADEP (Certified Mail)

ISVS_Data_LF/amc

Lord-Shope Landfill

2004 ISVS VOC DATA

Influent (ppb)	No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Average
Chloromethane	1													0.0	0.0
Vinyl Chloride	2	2840.5	564.5	15.0	438.0	525.0								4383.0	876.6
Acetone	3													0.0	0.0
2-Propanol	4													0.0	0.0
Methylene Chloride	5	95.5			3.5	25.0								124.0	24.8
trans-1,2-DCE	6	27.0												27.0	5.4
1,1-Dichloroethane	7	412.5	85.0		184.0	330.0								1011.5	202.3
2-Butanone (MEK)	8													0.0	0.0
cis-1,2-DCE	9	83300.5	34015.5	14506.0	33185.0	51765.0								216772.0	43354.4
Chloroform	10	1807.5	711.5	233.0	752.0	1175.0								4679.0	935.8
Tetrahydrofuran	11													0.0	0.0
Benzene	12	169.5	32.0	14.5	87.5	125.0								428.5	85.7
Trichloroethene	13	175912.0	110051.0	39987.5	64971.0	117315.0								508236.5	101647.3
4-Methyl-2-Pentanone (MIBK	14													0.0	0.0
Toluene	15	248.5	55.5	20.0	62.0	65.0								451.0	90.2
Tetrachloroethene	16	7134.0	6719.5	1816.0	3530.0	5970.0								25169.5	5033.9
Chlorobenzene	17	26.0	14.0		8.0									48.0	9.6
1,3-Dimethylbenzene	18	368.0	415.0	47.0		150.0								980.0	196.0
1,2-Dimethylbenzene	19	835.5	1007.0	174.5	360.5	392.5								2770.0	554.0
1,1,2,2-Tetrachloroethane	20													0.0	0.0
	TIC	690.0	870.0		650.0	355.0								2565.0	513.0
	TIC	1095.0	82400.0		360.0	325.0								84180.0	16836.0
	TIC				550.0	320.0								870.0	174.0
	TIC				82750.0	1460.0								84210.0	16842.0
	TIC					645.0								645.0	129.0
Total Influent		274962.0	236940.5	56813.5	187891.5	180942.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	937550.0	187510.0

Effluent (ppb)	No.	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Average
Chloromethane	1													0.0	0.0
Vinyl Chloride	2													0.0	0.0
Acetone	3			13.7										13.7	2.7
2-Propanol	4													0.0	0.0
Methylene Chloride	5													0.0	0.0
trans-1,2-DCE	6		2.7											2.7	0.5
1,1-Dichloroethane	7													0.0	0.0
2-Butanone (MEK)	8													0.0	0.0
cis-1,2-DCE	9	4.8		10.8	48.1									63.7	12.7
Chloroform	10													0.0	0.0
Tetrahydrofuran	11													0.0	0.0
Benzene	12					3.1								3.1	0.6
Trichloroethene	13	97.5		38.5	221.0	68.8								425.8	85.2
4-Methyl-2-Pentanone (MIBK	14		33.4											33.4	6.7
Toluene	15				2.5	4.0								6.5	1.3
Tetrachloroethene	16	56.2	34.2	4.3	34.9	1.6								131.2	26.2
Chlorobenzene	17													0.0	0.0
1,3-Dimethylbenzene	18				2.8									2.8	0.6
1,2-Dimethylbenzene	19				5.3									5.3	1.1
1,1,2,2-Tetrachloroethane	20													0.0	0.0
	TIC	3384.0	3524.0	14.0	637.0	3.5								7562.5	1512.5
	TIC		85.0	33.0	58.0	4.7								180.7	36.1
	TIC			330.0	54.0	21.6								405.6	81.1
	TIC				8.0	4.3								12.3	2.5
	TIC				22.0	71.0								93.0	18.6
	TIC				449.0									449.0	89.8
	TIC														0.0
	TIC													0.0	0.0
Total Effluent		3542.5	3679.3	444.3	1542.6	182.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9391.3	1878.3
Efficiency		98.71%	98.45%	99.22%	99.18%	99.90%	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	99.00%	

Received 6-29-04 by V. Janosik, RPM

ISVS = "In Situ Vapor Stripping" System

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