

ANNEXE VI

CARACTÉRISATION DU BIOGAZ LIEU D'ENFOUISSEMENT TECHNIQUE DE ST-NICÉPHORE

WM Québec Inc.

Caractérisation du biogaz

Lieu d'enfouissement technique de St-Nicéphore

RAPPORT TECHNIQUE

PROJET N° Q120398-210



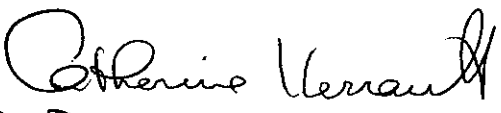
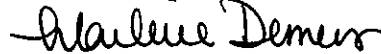
WM Québec Inc.
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Québec, le 29 octobre 2009

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LISTE DES ANNEXES

ANNEXE 1 Résultats d'analyse détaillés du biogaz

1. INTRODUCTION

WM a mandaté la firme GENIVAR pour effectuer une caractérisation du biogaz produit au LET de Ste-Nicéphore. Au total, 18 échantillons de biogaz ont été prélevés aux stations de pompage et de destruction du biogaz T4000 et T6000 (9 échantillons par station) pour analyse détaillée en laboratoire.

Les prélèvements ont été effectués du 9 au 11 septembre 2009 par MM. Alexandre Monette et Alain L'Italien de la firme GENIVAR. Les échantillons ont été analysés par le laboratoire de l'Alberta Research Council de Vegreville en Alberta.

2. MÉTHODOLOGIE

2.1 Prélèvement des échantillons

Dix-huit échantillons ont été prélevés sur trois journées consécutives à différents moments de la journée, soit le matin, le midi et en fin de journée, du 9 au 11 septembre 2009, sur une période d'environ 15 minutes chacun.

Les échantillons ont été prélevés consécutivement sur la conduite maîtresse à la sortie des soufflantes des stations de pompage T4000 et T6000 ce qui permet d'obtenir un échantillon composite du biogaz produit par les différentes zones d'enfouissement du LET, soit phase 1, cellules 1@4 et cellules 5@8.

Comme les conduites où ont été pris les échantillons est en pression positive, ceci minimise le risque de dilution. Les échantillons ont été recueillis dans des canettes passivées en acier inoxydable mises sous vide à une pression de $-28''$ Hg. L'intérieur des canettes est soumis à un traitement de surface de type SilcoCan. Suite à l'échantillonnage, les canettes ont immédiatement été retournées au laboratoire par avion pour fin d'analyse à l'intérieur des délais prévus.

2.2 Méthodes d'analyse

Les composés organiques volatils sont analysés selon la méthode TO-15 de l'EPA. Les concentrations des composés sont déterminées par chromatographie en phase gazeuse et spectrométrie de masse (GC/MS). Le système est calibré à l'aide d'un mélange de composés précurseurs d'ozone et du mélange de calibration TO-14 permettant l'analyse d'environ 80 composés cibles. La limite inférieure de détection est de 0,5 ppbv ou moins, la plupart des composés pouvant être détectés à 0,05 ppbv. Tous les autres composés non ciblés apparaissant par chromatographie sont identifiés de façon tentative par leur spectre de masse via une librairie de signatures chimiques.

Les composés soufrés réduits sont séparés par chromatographie en phase gazeuse, détectés et analysés par chimiluminescence (GC/SCD). Le système est calibré à l'aide d'un mélange d'une vingtaine de composés soufrés réduits. La limite inférieure de détection est d'environ 1 ppbv.

3. RÉSULTATS

3.1 Caractérisation du biogaz

Le tableau 3-1 présente les résultats d'analyse obtenus pour les composés inertes, soit CH₄, CO₂, O₂ et N₂. Les résultats ont été corrigés afin de retrancher la portion d'air contenue dans le biogaz capté résultant de l'action des équipements de soutirage, de manière à obtenir la composition du biogaz pur. Par ailleurs, pour chaque évènement d'échantillonnage, les concentrations ont été pondérées en fonction des débits captés à chacune des stations lors du prélèvement, de manière à obtenir la composition du biogaz pur représentatif de la totalité du site.

Les résultats indiquent que le biogaz pur produit à St-Nicéphore est composé de méthane à 60,2% vol et de dioxyde de carbone à 39,8% vol ce qui est typique d'un biogaz produit en phase de méthanogénèse stable.

Les tableaux 3-2 et 3-3 présentent les résultats d'analyse obtenus pour les composés soufrés réduits et les composés organiques volatils. Encore une fois, les résultats ont été corrigés en retranchant la fraction d'air et pondérés en fonction des débits captés à chacune des stations de manière à obtenir la concentration de ces composés dans le biogaz pur et non dans le biogaz dilué et ce, pour la totalité du site.

Les tableaux 3-4 et 3-5 présentent un comparatif entre les concentrations moyennes de SRT et COV répertoriées dans le document AP42 de l'EPA¹ en vigueur ainsi que dans le projet de modification du document AP42 de 2008². Dans ce dernier cas, les concentrations présentées seraient représentatives d'un site dont la majorité des déchets ont été enfouis après 1992.

Au niveau des SRT, on remarque que les concentrations obtenues sont en général beaucoup plus basses pour le biogaz de St-Nicéphore que les valeurs de l'EPA. Par

¹ US EPA (1998) : « Compilation of Air Pollutant Emission Factors » AP-42, Fifth Edition, Vol. 1 Stationary point and area sources, Chapter 2 Solid Waste Disposal. Section 2.4 Municipal Solid Waste Landfills. January 1995, revised in August and November 1998.

² US EPA (2008) : « Compilation of Air Pollutant Emission Factors » AP-42, Fifth Edition, Vol. 1 Stationary point and area sources, Chapter 2 Solid Waste Disposal. Section 2.4 Municipal Solid Waste Landfills. Draft edition, October 2008.

exemple, une concentration moyenne de 3,08 mg/m³ est obtenue pour le H₂S comparativement à des valeurs de 49,3 et 44,5 mg/m³ telles que respectivement répertoriées dans les versions 1998 et 2008 du document AP42.

La concentration totale de SRT dans le biogaz de St-Nicéphore s'élève à 11,27 mg/m³ comparativement à 79,9 mg/m³ pour le document AP42 (1998) et 68,68 mg/m³ pour la révision de 2008.

Pour les composés organiques volatils, on remarque que contrairement à ce qui est rapporté dans le document AP42, les composés suivants n'ont pas été détectés dans le biogaz de St-Nicéphore :

- 1,1,2,2-Tétrachloroéthane;
- 1,1,2-Trichloroéthane;
- 1,2-Dichloropropane;
- Tétrachlorométhane;
- Dichlorométhane;
- Bromure d'éthylène.

En ce qui concerne l'acrylonitrile, ce composé n'a pas été détecté dans le biogaz de St-Nicéphore. Il est à noter que dans la version 2008 du document AP42, ce composé est également rapporté comme étant sous les limites de détection.

Pour les autres composés, les concentrations obtenues pour le biogaz de St-Nicéphore sont en général beaucoup plus basses que les valeurs rapportées dans les 2 versions du document AP42, à l'exception de l'éthylbenzène et du xylène qui présentent des concentrations plus élevées.

Tableau 3-1 : Résultats d'analyse Composés inertes - T4000 - Septembre 2009

Date	09-sept-09	09-sept-09	09-sept-09	09-sept-09	09-sept-09	09-sept-09	10-sept-09	10-sept-09	10-sept-09	10-sept-09	10-sept-09	10-sept-09	11-sept-09	11-sept-09	11-sept-09	11-sept-09	11-sept-09	11-sept-09	11-sept-09	Concentration moyenne corrigée ⁽¹⁾ (9 échantillons)	Écart-type	
No de l'échantillon	T4-1-AM	T4-1-AM	T4-2-NOON	T4-2-NOON	T4-3-PM	T4-3-PM	T4-4-AM	T4-4-AM	T4-5-NOON	T4-5-NOON	T4-6-PM	T4-6-PM	T4-7-AM	T4-7-AM	T4-8-NOON	T4-8-NOON	T4-9-PM	T4-9-PM	T4-9-PM			
	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾		
No analyse laboratoire	T09-2799	T09-2799	T09-2800	T09-2800	T09-2796	T09-2796	T09-2848	T09-2848	T09-2849	T09-2849	T09-2852	T09-2852	T09-2853	T09-2853	T09-2856	T09-2856	T09-2857	T09-2857	T09-2857			
Composé	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Monoxyde de carbone	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Dioxyde de carbone	28,6	41,2	28,6	39,3	30,0	40,1	27,9	41,7	28,3	41,6	31,2	38,8	31,0	40,8	28,5	37,9	32,4	39,2	32,4	39,2	40,1	1,3
Oxygène	5,5	0,0	5,2	0,0	5,0	0,0	5,5	0,0	5,5	0,0	3,6	0,0	3,5	0,0	5,6	0,0	3,6	0,0	3,6	0,0	0,0	0,0
Azote	25,3	0,0	22,4	0,0	22,8	0,0	24,6	0,0	25,0	0,0	20,1	0,0	18,9	0,0	24,5	0,0	17,5	0,0	17,5	0,0	0,0	0,0
Méthane	40,8	58,8	44,1	60,7	44,9	59,9	39,0	58,3	39,8	58,4	49,2	61,2	45,0	59,2	46,7	62,1	50,3	60,8	50,3	60,8	59,9	1,3
TOTAL	100,2	100,0	100,3	100,0	102,7	100,0	97,0	100,0	98,6	100,0	104,1	100,0	98,4	100,0	105,3	100,0	103,8	100,0	103,8	100,0	100,0	0,0
Débit (scfm)	2400	1663	2400	1740	2400	1750	2400	1655	2400	1658	2400	1854	2400	1853	2400	1714	2400	1913	1755	1755	1755	91

(1) Concentration et débit corrigés en retranchant la fraction d'air afin d'obtenir la composition et le débit du biogaz pur

Tableau 3-1 : Résultats d'analyse Composés inertes - T6000 - Septembre 2009

Date	09-sept-09	09-sept-09	09-sept-09	09-sept-09	09-sept-09	09-sept-09	10-sept-09	10-sept-09	10-sept-09	10-sept-09	10-sept-09	10-sept-09	11-sept-09	11-sept-09	11-sept-09	11-sept-09	11-sept-09	11-sept-09	11-sept-09	11-sept-09	Concentration moyenne corrigée ⁽¹⁾ (9 échantillons)	Écart-type
No de l'échantillon	T6-A-AM	T6-A-AM	T6-B-NOON	T6-B-NOON	T6-C-PM	T6-C-PM	T6-D-AM	T6-D-AM	T6-E-NOON	T6-E-NOON	T6-F-PM	T6-F-PM	T6-G-AM	T6-G-AM	T6-H-NOON	T6-H-NOON	T6-I-PM	T6-I-PM	T6-I-PM	T6-I-PM		
	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾	brut	corrigé ⁽¹⁾		
No analyse laboratoire	T09-2797	T09-2797	T09-2798	T09-2798	T09-2795	T09-2795	T09-2850	T09-2850	T09-2851	T09-2851	T09-2854	T09-2854	T09-2855	T09-2855	T09-2858	T09-2858	T09-2859	T09-2859	T09-2859	T09-2859		
Composé	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Monoxyde de carbone	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0	0,0
Dioxyde de carbone	34,9	37,1	37,7	40,0	36,9	39,5	34,9	39,0	36,5	40,6	36,8	42,1	32,6	37,4	35,5	40,8	37,7	40,6	37,7	40,6	39,7	1,5
Oxygène	1,3	0,0	1,4	0,0	1,6	0,0	1,6	0,0	1,2	0,0	1,2	0,0	2,8	0,0	1,5	0,0	0,9	0,0	0,9	0,0	0,0	0,0
Azote	9,8	0,0	8,8	0,0	9,2	0,0	9,3	0,0	9,4	0,0	10,4	0,0	15,5	0,0	8,8	0,0	6,1	0,0	6,1	0,0	0,0	0,0
Méthane	59,1	62,9	56,5	60,0	56,4	60,5	54,6	61,0	53,5	59,4	50,6	57,9	54,6	62,6	51,5	59,2	55,2	59,4	55,2	59,4	60,3	1,5
TOTAL	105,1	100,0	104,4	100,0	104,1	100,0	100,5	100,0	100,6	100,0	99,0	100,0	105,5	100,0	97,3	100,0	100,0	100,0	100,0	100,0	100,0	0,0
Débit (scfm)	3128	2798	3109	2807	3400	3048	3434	3059	3517	3147	3366	2970	3368	2784	3286	2937	3174	2950	2944	2944	2944	121

(1) Concentration et débit corrigés en retranchant la fraction d'air afin d'obtenir la composition et le débit du biogaz pur

Tableau 3-1 : Concentrations moyennes corrigées - T4000 et T6000 - Septembre 2009

Date	09-sept-09		09-sept-09		09-sept-09		10-sept-09		10-sept-09		10-sept-09		11-sept-09		11-sept-09		11-sept-09		Concentration moyenne corrigée et pondérée ⁽¹⁾ (18 échantillons)		Écart-type	
No des échantillons	T4-1-AM	T6-A-AM	T4-2-NOON	T6-B-NOON	T4-3-PM	T6-C-PM	T4-4-AM	T6-D-AM	T4-5-NOON	T6-E-NOON	T4-6-PM	T6-F-PM	T4-7-AM	T6-G-AM	T4-8-NOON	T6-H-NOON	T4-9-PM	T6-I-PM	T4-9-PM	T6-I-PM		
	corrigé pondéré ⁽¹⁾		corrigé pondéré ⁽¹⁾		corrigé pondéré ⁽¹⁾		corrigé pondéré ⁽¹⁾		corrigé pondéré ⁽¹⁾		corrigé pondéré ⁽¹⁾		corrigé pondéré ⁽¹⁾		corrigé pondéré ⁽¹⁾		corrigé pondéré ⁽¹⁾		corrigé pondéré ⁽¹⁾			
No analyses laboratoire	T09-2799	T09-2797	T09-2800	T09-2798	T09-2796	T09-2795	T09-2848	T09-2850	T09-2849	T09-2851	T09-2852	T09-2854	T09-2853	T09-2855	T09-2856	T09-2858	T09-2857	T09-2859	T09-2857	T09-2859		
Composé	(%)		(%)		(%)		(%)		(%)		(%)		(%)		(%)		(%)		(%)		(%)	(%)
Dioxyde de carbone	38,6		39,8		39,7		39,9		40,9		40,8		38,7		39,7		40,0		40,0		39,8	0,7
Méthane	61,4		60,2		60,3		60,1		59,1		59,2		61,3		60,3		60,0		60,0		60,2	0,7
Débit total moyen corrigé (scfm)	4461		4546		4797		4715		4805		4824		4637		4652		4862		4700		4700	128,9

(1) Concentration et débit corrigés en retranchant la fraction d'air afin d'obtenir la composition et le débit du biogaz pur

Tableau 3-2 : Résultats d'analyse Composés soufrés réduits (SRI) - T4000 + T6000 - Septembre 2009

Date	09-sept-09		09-sept-09		09-sept-09		10-sept-09		10-sept-09		10-sept-09		11-sept-09		11-sept-09		11-sept-09		Concentration moyenne corrigée et pondérée ⁽¹⁾ (18 échantillons) (ppmv)	Écart-type (ppmv)	Poids moléculaire (g/mol)	Concentration moyenne corrigée et pondérée ⁽¹⁾ (18 échantillons) (mg/m ³)																		
	T4-1-AM		T6-A-AM		T4-2-NOON		T6-B-NOON		T4-3-PM		T6-C-PM		T4-4-AM		T6-D-AM		T4-5-NOON						T6-E-NOON		T4-6-PM		T6-F-PM		T4-7-AM		T6-G-AM		T4-8-NOON		T6-H-NOON		T4-9-PM		T6-I-PM	
	corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾						corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾					
No des échantillons	T09-2799	T09-2797	T09-2800	T09-2798	T09-2796	T09-2795	T09-2848	T09-2850	T09-2849	T09-2851	T09-2852	T09-2854	T09-2853	T09-2855	T09-2856	T09-2858	T09-2857	T09-2859																						
No analyses laboratoire	corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾																							
Composé	(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppbv)																							
2,5-diméthyl Thiophene	8	5	5	5	11	7	28	11	7	4	4	4	4	4	4	4	4	4	0,01	0,01	112	0,04																		
2-éthyl Thiophene	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	112	0,00																		
2-méthyl Thiophene	68	84	78	78	84	60	84	60	84	85	60	85	60	85	67	67	69	69	0,07	0,02	98	0,29																		
3-méthyl Thiophene	66	72	71	71	81	64	81	64	81	73	64	73	64	73	4	4	3	3	0,07	0,02	98	0,26																		
Allyl sulphide	6	4	3	3	9	5	9	5	9	3	5	3	5	3	4	4	11	11	0,00	0,00	114	0,02																		
Butyl mercaptan	6	26	12	12	6	6	12	6	12	9	6	9	6	9	13	13	11	11	0,01	0,01	98	0,05																		
Butyl sulphide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	146	0,00																		
Carbon disulphide	85	77	106	106	90	84	90	84	90	85	81	85	81	93	85	85	85	85	0,09	0,01	76	0,27																		
Carbonyl sulphide	57	1411	401	401	37	58	37	58	37	58	8	7	8	7	40	40	12	12	0,23	0,43	60	0,56																		
Diméthyl disulphide	10	5	7	7	13	8	13	8	13	277	8	277	8	277	323	323	313	313	0,01	0,00	94	0,03																		
Diméthyl sulphide	255	273	334	334	49	274	49	274	49	274	273	273	273	273	323	323	313	313	0,26	0,08	62	0,67																		
Diméthyl trisulphide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	126	0,00																		
Ethyl mercaptan	22	123	58	58	37	36	37	36	37	8	10	8	10	36	36	78	78	0,05	0,03	62	0,12																			
Ethyl méthyl sulphide	11	5	13	13	4	12	4	12	4	12	8	4	8	4	12	12	9	9	0,01	0,00	75	0,03																		
Ethyl sulphide	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	90	0,01																		
Heptyl mercaptan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	132	0,00																		
Hexyl mercaptan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	118	0,00																		
Hydrogen sulphide	142	6515	644	644	1107	116	1107	116	1107	189	197	189	197	236	236	185	185	2,22	3,12	34	3,08																			
Isobutyl mercaptan	189	205	217	217	92	240	92	240	92	240	265	265	265	265	534	534	1130	1130	0,19	0,04	90	0,72																		
Isopropyl mercaptan	845	1902	1114	1114	410	560	410	560	410	560	152	152	152	152	14	14	118	118	0,77	0,52	76	2,39																		
Méthyl mercaptan	6	109	38	38	16	13	16	13	16	6	0	6	0	14	14	118	118	0,04	0,04	48	0,07																			
Octyl mercaptan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	146	0,00																		
Pentyl mercaptan	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	104	0,01																		
Propyl mercaptan	13	70	30	30	22	22	22	22	22	3	11	3	11	21	21	49	49	0,03	0,02	76	0,08																			
sec-Butyl mercaptan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	90	0,00																		
Sulphur dioxide	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	64	0,00																		
tert-Butyl mercaptan	175	240	180	180	104	162	104	162	104	54	47	106	47	106	116	116	116	116	0,13	0,06	90	0,48																		
tert-Pentyl mercaptan	0	0	0	0	5	0	5	0	5	0	0	0	0	0	0	0	0	0	0,00	0,00	104	0,00																		
Thiophene	584	1502	773	773	368	574	368	574	368	574	173	173	173	173	488	488	922	922	0,61	0,40	84	2,10																		
																					TOTAL :	11,27																		

(1) Concentrations corrigées en retranchant la fraction d'air afin d'obtenir la composition du biogaz pur

Tableau 3-3 : Résultats d'analyse COV & composés polaires - T4000 et T6000 - Septembre 2009

Date	09-sept-09		09-sept-09		09-sept-09		10-sept-09		10-sept-09		10-sept-09		11-sept-09		11-sept-09		Concentration moyenne corrigée et pondérée ⁽¹⁾ (18 échantillons)	Écart-type (ppmv)	Poids moléculaire (g/mol)	Concentration moyenne corrigée et pondérée ⁽¹⁾ (18 échantillons) (mg/m ³)																				
	T4-1-AM		T6-A-AM		T4-2-NOON		T6-B-NOON		T4-3-PM		T6-C-PM		T4-4-AM		T6-D-AM						T4-5-NOON		T6-E-NOON		T4-6-PM		T6-F-PM		T4-7-AM		T6-G-AM		T4-8-NOON		T6-H-NOON		T4-9-PM		T6-I-PM	
	corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾						corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾		corrige pondere ⁽¹⁾					
No des échantillons	T09-2799	T09-2797	T09-2800	T09-2798	T09-2796	T09-2795	T09-2848	T09-2850	T09-2849	T09-2851	T09-2852	T09-2854	T09-2853	T09-2855	T09-2856	T09-2858	T09-2857	T09-2859	(ppmv)	(ppmv)	(g/mol)	(mg/m ³)																		
No analyses laboratoire	(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppbv)		(ppmv)	(ppmv)	(g/mol)	(mg/m ³)																		
1,1,2,2-Tetrachloroethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	168	0,00																		
1,1,2-Trichloroethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	133	0,00																		
1,1-Dichloroethylene	16	47	40	82	76	52	57	39	55	0,05	0,02	97	0,20	0,00	0,00	113	0,00	0,00	0,00	113	0,00																			
1,2-Dichloropropane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	58	1,13																		
Acetone	399	497	323	171	634	565	591	450	660	0,00	0,00	53	0,00	0,00	0,00	154	0,00	0,00	0,00	53	0,00																			
Acrylonitrile	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	154	0,00																		
Tetrachloromethane	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0,00	0,00	113	0,43																		
Chlorobenzene	70	82	77	125	135	101	105	87	58	0,09	0,02	65	0,09	0,00	0,00	147	0,00	0,03	0,05	65	0,09																			
Chloroethane	66	0	131	96	0	0	0	0	0	0,00	0,00	147	0,00	0,00	0,00	147	0,00	0,00	0,00	147	0,00																			
1,2-Dichlorobenzene	0	0	0	0	0	0	0	0	0	0,00	0,00	147	0,00	0,00	0,00	147	0,00	0,00	0,00	147	0,00																			
1,4-Dichlorobenzene	490	587	707	1058	848	857	682	798	0,79	0,19	147	4,74	0,00	0,00	85	0,00	0,00	0,00	85	0,00																				
Dichloromethane	0	0	0	0	0	0	0	0	0	0,75	0,16	78	2,41	0,00	0,00	106	40,16	0,00	0,00	106	40,16																			
Benzene	585	694	583	1041	978	761	774	565	805	9,25	1,82	106	40,16	0,00	0,00	188	0,00	0,00	0,00	188	0,00																			
Ethyl benzene	6956	8499	7170	12303	11816	9324	9839	7470	9870	0,00	0,00	188	0,00	0,00	0,00	188	0,00	0,00	0,00	188	0,00																			
Bromure d'éthylène	0	0	0	0	0	0	0	0	0	0,00	0,00	188	0,00	0,00	0,00	188	0,00	0,00	0,00	188	0,00																			
n-Hexane	4002	4794	3932	7409	6532	5228	5116	3510	5803	5,15	1,20	86	18,14	0,00	0,00	72	1,59	0,54	0,20	72	1,59																			
Méthyle éthyle cétone (MEK)	475	569	351	132	766	670	694	446	762	0,22	0,06	166	1,52	0,00	0,00	92	84,92	0,22	0,06	166	1,52																			
Tétrachloroéthylène	158	190	200	324	304	226	235	153	232	22,54	4,46	92	84,92	0,00	0,00	92	84,92	22,54	4,46	92	84,92																			
Toluene	17639	22129	15415	29576	28120	22586	24330	18537	24497	0,19	0,05	131	1,03	0,00	0,00	63	7,09	0,19	0,05	131	1,03																			
Trichloroéthylène	133	165	150	281	194	208	194	135	202	2,77	0,53	63	7,09	0,00	0,00	106	56,15	2,77	0,53	63	7,09																			
Chlorure de vinyle	2278	2590	2010	3750	3301	2943	3010	2168	2917	12,93	2,48	106	56,15	0,00	0,00	106	56,15	12,93	2,48	106	56,15																			
Xylene (o, m, p)	9608	11861	10115	16863	16636	13011	13764	10784	13740																															

(1) Concentrations corrigées en retranchant la fraction d'air afin d'obtenir la composition du biogaz pur

Tableau 3-4 : Comparatif des résultats obtenus pour les SRT

Composé	AP42 (1998) (mg/m ³)	AP42 (draft 2008) (mg/m ³)	Résultats du laboratoire (mg/m ³)
2,5-diméthyl Thiophène		0,30	0,04
2-éthyl Thiophène		0,29	0,00
2-méthyl Thiophène			0,29
3-méthyl Thiophène		0,37	0,26
Allyl sulfure			0,02
Butyl mercaptan			0,05
Butyl sulfure			0,00
Carbon disulfure		0,46	0,27
Carbonyl sulfure		0,30	0,56
Diméthyl disulfure		0,53	0,03
Diméthyl sulfure	19,90	14,35	0,67
Diméthyl trisulfure			0,00
Éthyl mercaptan	5,80	0,50	0,12
Éthyl méthyl sulfure		0,11	0,03
Éthyl sulfure		0,32	0,01
Heptyl mercaptan			0,00
Hexyl mercaptan			0,00
Hydrogène sulfure	49,30	44,50	3,08
Isobutyl mercaptan		0,63	0,72
Isopropyl mercaptan		0,54	2,39
Méthyl mercaptan	4,90	2,69	0,07
Octyl mercaptan			0,00
Pentyl mercaptan			0,01
Propyl mercaptan		0,39	0,08
sec-Butyl mercaptan			0,00
Sulfure dioxide			0,00
tert-Butyl mercaptan		1,20	0,48
tert-Pentyl mercaptan			0,00
Thiophène		1,20	2,10
TOTAL	79,90	68,68	11,27

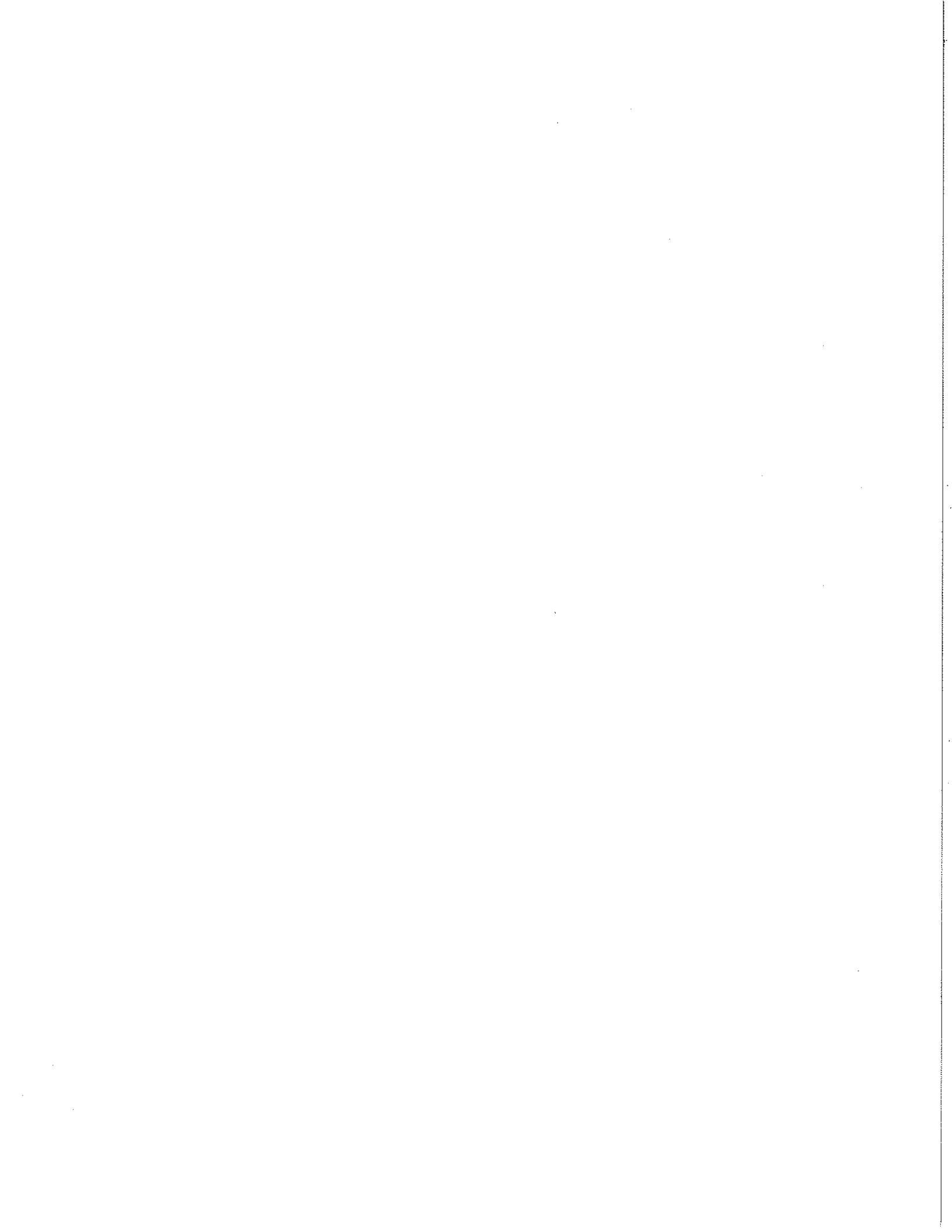
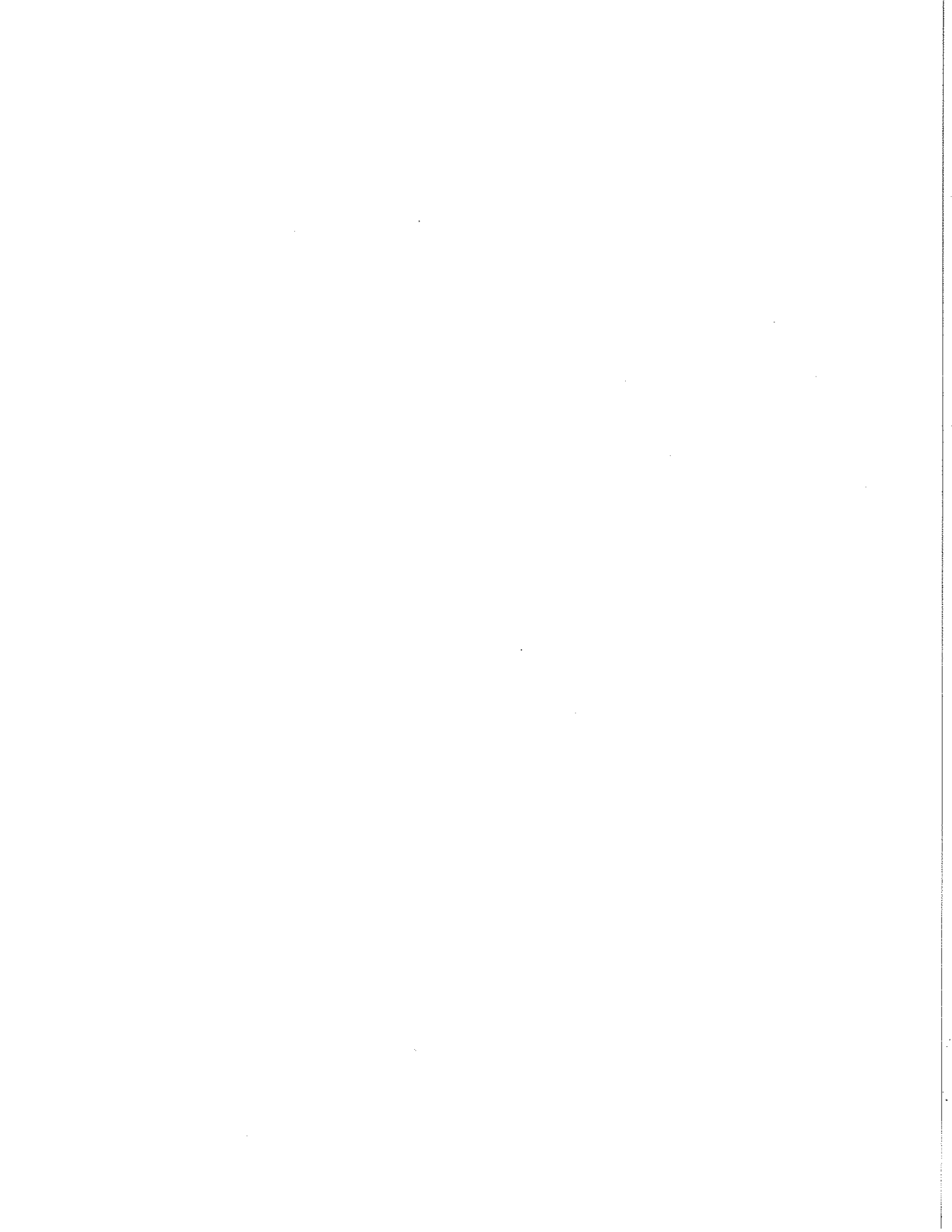


Tableau 3-5 : Comparatif des résultats obtenus pour les COV

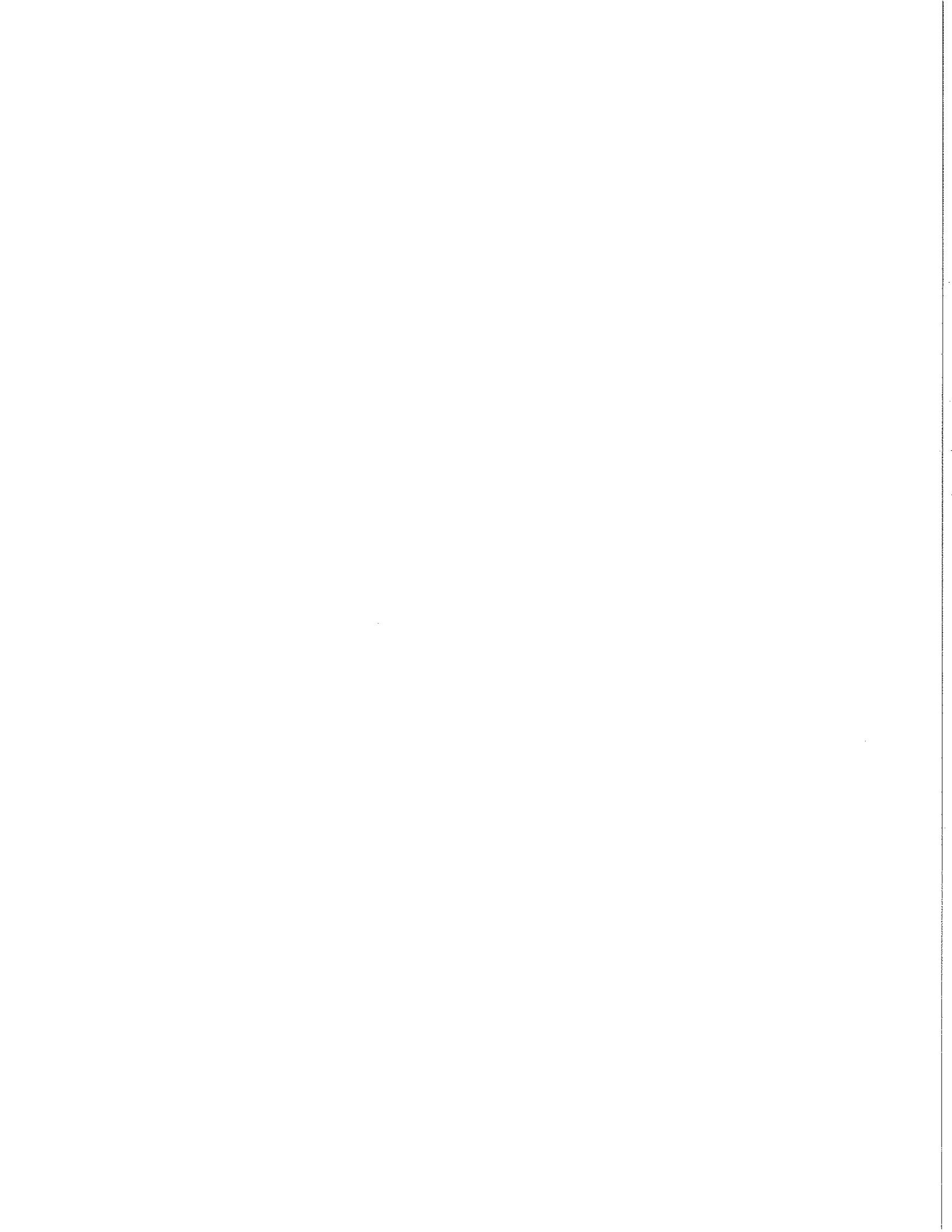
Composé	AP42 (1998) (mg/m ³)	AP42 (draft 2008) (mg/m ³)	Résultats du laboratoire (mg/m ³)
1,1,2,2-Tétrachloroéthane	7,62	3,67	0
1,1,2-Trichloroéthane	0,55	0,86	0
1,1-Dichloroéthylène	0,79	0,63	0,20
1,2-Dichloropropane	0,83	0,24	0
Acétone	16,65	15,92	1,13
Acrylonitrile	13,74	0,00	0
Tétrachlorométhane	0,03	0,05	0
Chlorobenzène	1,15	2,23	0,43
Chloroéthane	3,30	10,42	0,09
1,2 Dichlorobenzène	1,26 ⁽¹⁾	5,65 ⁽¹⁾	0
1,4 Dichlorobenzène	1,26 ⁽¹⁾	5,65 ⁽¹⁾	4,74
Dichlorométhane	49,68	21,37	0
Benzene	6,10	7,67	2,41
Éthylbenzène	20,02	21,10	40,16
Bromure d'éthylène	0,008	0,04	0
n-Hexane	23,16	10,93	18,14
Methyl Ethyl Cétone	20,91	11,83	1,59
Tétrachloroéthylène	25,30	13,77	1,52
Toluène	148,09	111,16	84,92
Trichloroéthylène	15,16	4,45	1,03
Chlorure de vinyle	18,76	3,63	7,09
Xylène (o-, m-, p-)	52,54	40,08	56,15

(1) Le document AP-42 ne différencie pas le 1,2 et le 1,4-Dichlorobenzène



ANNEXE 1

Résultats d'analyse détaillés du biogaz



28 OCT. 2009

 Alberta Research Council
 Environmental Monitoring
 Vegreville, Alberta

 Tabular Data Report

page 1

 Sample No: T09-2795 Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-C-PM
 SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: 2486 User Sample No: T6-C-PM

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS
Analysis Date: 16-SEP-2009 09:51							
G2795	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2795	1.42	T	Carbon dioxide	36.9	44	CO2	124-38-9
G2795	3.35	T	Oxygen	1.6	32	O2	7782-44-7
G2795	6.17	T	Nitrogen	9.2	28	N2	7727-37-9
G2795	9.87	T	Methane	52.8	16	CH4	74-82-8
				sum:	100		

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS
Analysis Date: 11-SEP-2009 00:00							
c2795	0.00	T	Ethane	0.0	30	C2H6	74-84-0
c2795	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2795	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2795	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2795	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2795	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2795	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2795	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2795	1.72	T	Methane	564,000.0	16	CH4	74-82-8
c2795	2.87	T	Ethylene	5.7	28	C2H4	74-85-1
c2795	4.21	T	Propane	17.1	44	C3H8	74-98-6
c2795	6.55	T	Propylene	3.6	42	C3H6	115-07-1
c2795	7.80	T	Isobutane	9.1	58	C4H10	75-28-5
c2795	8.23	T	Butane	2.8	58	C4H10	106-97-8
c2795	10.49	T	1-Butene	1.3	56	C4H8	106-98-9
				sum:	564,040		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 15-SEP-2009 12:10							
R2795	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2795	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2795	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2795	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2795	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2795	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2795	0.00	T	Allyl sulphide	0.0	114	C6H10S	592-88-1
R2795	0.00	T	2,5-dimethyl Thiophene	0.0	112	C6H8S	638-02-8
R2795	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2795	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8

Sample No: T09-2795

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-C-PM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2486 User Sample No: T6-C-PM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 15-SEP-2009 12:10							
R2795	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2795	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2795	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2795	.95	T	Hydrogen sulphide	209.0	34	H2S	7783-06-4
R2795	1.06	T	Carbonyl sulphide	555.0	60	COS	463-58-1
R2795	3.10	T	Methyl mercaptan	40.3	48	CH4S	74-93-1
R2795	5.76	T	Ethyl mercaptan	44.6	62	C2H6S	75-08-1
R2795	6.33	T	Dimethyl sulphide	425.0	62	C2H6S	75-18-3
R2795	6.69	T	Carbon disulphide	145.0	76	CS2	75-15-0
R2795	7.47	T	Isopropyl mercaptan	1,040.0	76	C3H8S	75-33-2
R2795	8.59	T	tert-Butyl mercaptan	164.0	90	C4H10S	75-66-1
R2795	8.97	T	Propyl mercaptan	24.9	76	C3H8S	107-03-9
R2795	9.16	T	Ethyl methyl sulphide	12.7	76	C3H8S	624-89-5
R2795	10.60	T	Thiophene	777.0	84	C4H4S	110-02-1
R2795	10.83	T	Isobutyl mercaptan	203.0	90	C4H10S	513-44-0
R2795	11.84	T	Butyl mercaptan	14.0	98	C4H10S	109-79-5
R2795	12.52	T	Dimethyl disulphide	7.1	94	C2H6S2	624-92-0
R2795	13.34	T	2-methyl Thiophene	62.6	98	C5H6S	554-14-3
R2795	13.53	T	3-methyl Thiophene	62.6	98	C5H6S	616-44-4
				sum:	3,787		

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 15-SEP-2009 11:20							
V2795	0.00	T	4-Methyl-1-pentene	0.0	84	C6H12	691-37-2
V2795	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2795	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2795	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2795	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2795	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2795	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2795	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2795	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2795	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2795	0.00	T	1,4-Dichlorobenzene	555.2	146	C6H4Cl2	106-46-7
V2795	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2795	2.52	T	Isobutane	6,080.0	58	C4H10	75-28-5
V2795	2.63	T	Vinyl chloride	1,800.0	63	C2H3Cl	75-01-4
V2795	2.67	T	1-Butene	1,110.0	56	C4H8	106-98-9
V2795	2.69	T	Butane	2,220.0	58	C4H10	106-97-8
V2795	2.79	T	trans-2-Butene	262.0	56	C4H8	624-64-6
V2795	2.89	T	cis-2-Butene	419.0	56	C4H8	590-18-1
V2795	3.05	T	Chloroethane	117.0	65	C2H5Cl	75-00-3
V2795	3.15	T	3-Methyl-1-butene	92.8	70	C5H10	563-45-1
V2795	3.29	T	Isopentane	6,780.0	72	C5H12	78-78-4
V2795	3.49	T	1-Pentene	65.9	70	C5H10	109-67-1
V2795	3.58	T	Pentane	2,340.0	72	C5H12	109-66-0
V2795	3.63	M	Acetone	295.0	58	C3H6O	67-64-1
V2795	3.71	T	Isoprene	91.2	68	C5H8	78-79-5

Sample No: T09-2795 Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-C-PM
 SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: 2486 User Sample No: T6-C-PM

FILE	SubGroup: voc			Concentration		MW	MolFormula	CAS
	RT	MQ	NAME	ppbv				

Analysis Date: 15-SEP-2009 11:20								
V2795	3.71	T	trans-2-Pentene	58.8		70	C5H10	646-04-8
V2795	3.81	T	cis-2-Pentene	38.6		70	C5H10	627-20-3
V2795	3.84	T	1,1-Dichloroethylene	33.1		96	C2H2Cl2	75-35-4
V2795	3.87	T	2-Methyl-2-butene	152.0		70	C5H10	563-46-2
V2795	4.01	T	2,2-Dimethylbutane	294.0		86	C6H14	75-83-2
V2795	4.08	T	Methylene chloride	.0		84	CH2Cl2	75-09-2
V2795	4.34	T	Cyclopentene	13.2		68	C5H8	142-29-0
V2795	4.44	T	2,3-Dimethylbutane	311.0		86	C6H14	79-29-8
V2795	4.47	T	Cyclopentane	1,160.0		70	C5H10	287-92-3
V2795	4.51	T	2-Methylpentane	1,460.0		86	C6H14	107-83-5
V2795	4.72	T	3-Methylpentane	1,710.0		86	C6H14	96-14-0
V2795	4.86	T	2-Methyl-1-pentene	81.4		84	C6H12	763-29-1
V2795	4.99	T	Hexane	4,810.0		86	C6H14	110-54-3
V2795	5.03	M	MEK	346.0		72	C4H8O	78-93-3
V2795	5.17	97	1,2-Dichloroethylene	338.0		96	C2H2Cl2	540-59-0
V2795	5.46	T	Methylcyclopentane	1,140.0		84	C6H12	96-37-7
V2795	6.02	T	Cyclohexane	1,300.0		84	C6H12	110-82-7
V2795	6.03	T	Benzene	624.0		78	C6H6	71-43-2
V2795	6.07	T	2-Methylhexane	971.0		100	C7H16	591-76-4
V2795	6.11	T	2,3-Dimethylpentane	414.0		100	C7H16	565-59-3
V2795	6.21	T	3-Methylhexane	1,580.0		100	C7H16	589-34-4
V2795	6.41	T	2,2,4-Trimethylpentane	487.0		114	C8H18	540-84-1
V2795	6.61	T	Heptane	1,620.0		100	C7H16	142-82-5
V2795	6.64	T	Trichloroethylene	162.0		131	C2HCl3	79-01-6
V2795	7.02	T	Methylcyclohexane	1,170.0		98	C7H14	108-87-2
V2795	7.43	T	2,3,4-Trimethylpentane	270.0		114	C8H18	565-75-3
V2795	7.66	T	2-Methylheptane	407.0		114	C8H18	592-27-8
V2795	7.75	T	Toluene	13,700.0		92	C7H8	108-88-3
V2795	7.78	T	3-Methylheptane	291.0		114	C8H18	589-81-1
V2795	7.91	97	Cyclohexane, 1,3-dimethyl-	481.0		112	C8H16	638-04-0
V2795	8.18	T	Octane	863.0		114	C8H18	111-65-9
V2795	8.22	89	Butanoic acid, ethyl ester	325.0		116	C6H12O2	105-54-4
V2795	8.42	T	Tetrachloroethylene	237.0		166	C2Cl4	127-18-4
V2795	8.73	70	Cyclohexane, 1,2,4-trimethyl	348.0		126	C9H18	2234-75-5
V2795	8.78	97	Cyclohexane, ethyl-	269.0		112	C8H16	1678-91-7
V2795	8.96	I	Chlorobenzene-d5	.0		112	C6D5Cl	3114-55-4
V2795	8.99	T	Chlorobenzene	47.4		113	C6H5Cl	108-90-7
V2795	9.05	96	Cyclohexane, 1,2,4-trimethyl	443.0		126	C9H18	7667-60-9
V2795	9.16	64	Heptane, 2,4-dimethyl-	461.0		128	C9H20	2213-23-2
V2795	9.21	T	Ethyl benzene	6,490.0		106	C8H10	100-41-4
V2795	9.26	91	Octane, 3-methyl-	362.0		128	C9H20	2216-33-3
V2795	9.33	T	m,p-Xylene	5,420.0		106	C8H10	108-38-3 / 106-42-3
V2795	9.53	58	3-Nonene, (E)-	270.0		126	C9H18	20063-92-7
V2795	9.58	95	1-Ethyl-4-methylcyclohexane	231.0		126	C9H18	3728-56-1
V2795	9.64	T	Styrene	691.0		104	C8H8	100-42-5
V2795	9.65	T	Nonane	1,610.0		128	C9H20	111-84-2
V2795	9.68	97	Benzene, 1,4-dimethyl- (CAS	1,880.0		106	C8H10	106-42-3
V2795	9.68	T	o-Xylene	3,220.0		106	C8H10	95-47-6
V2795	9.84	76	Cyclopentane, butyl-	309.0		126	C9H18	2040-95-1
V2795	10.12	T	Isopropylbenzene	328.0		120	C9H12	98-82-8

Sample No: T09-2795

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-C-PM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2486 User Sample No: T6-C-PM

FILE	RT	MQ	SubGroup: voc NAME	Concentration		
				ppbv	MW	MolFormula CAS
Analysis Date: 15-SEP-2009 11:20						
V2795	10.19	87	Cyclohexanone, 2,3-dimethyl	672.0	126	C8H14O 13395-76-1
V2795	10.28	T	alpha Pinene	3,640.0	136	C10H16 80-56-8
V2795	10.44	53	Nonane	385.0	128	C9H20 111-84-2
V2795	10.53	T	n-Propylbenzene	422.0	120	C9H12 103-65-1
V2795	10.63	94	Benzene, 1-ethyl-3-methyl-	2,010.0	120	C9H12 620-14-4
V2795	10.72	T	1,3,5-Trimethylbenzene	465.0	120	C9H12 108-67-8
V2795	10.90	72	Bicyclo[3.1.1]heptane, 6,6-	844.0	136	C10H16 18172-67-3
V2795	10.90	T	beta Pinene	1,000.0	136	C10H16 18172-67-3
V2795	11.02	97	Decane	2,070.0	142	C10H22 124-18-5
V2795	11.08	T	1,2,4-Trimethylbenzene	1,210.0	120	C9H12 95-63-6
V2795	11.21	41	Decane, 5-methyl-	236.0	156	C11H24 13151-35-4
V2795	11.32	55	Decane, 4-methyl-	745.0	156	C11H24 2847-72-5
V2795	11.35	64	Decane, 2,2-dimethyl-	425.0	170	C12H26 17302-37-3
V2795	11.48	95	Benzene, 1-methyl-4-(1-meth	4,720.0	134	C10H14 99-87-6
V2795	11.54	99	dl-Limonene	4,000.0	136	C10H16 138-86-3
V2795	11.81	53	Heptane, 5-ethyl-2,2,3-trim	525.0	170	C12H26 62199-06-8
V2795	11.88	43	Hexane, 2,2,5,5-tetramethyl	388.0	142	C10H22 1071-81-4
V2795	12.06	47	Octane, 3-ethyl-2,7-dimethy	418.0	170	C12H26 62183-55-5
V2795	12.28	95	Undecane	1,360.0	156	C11H24 1120-21-4
V2795	12.68	90	Disulfide, ethyl hexyl	310.0	164	C7H16S2 67421-86-7
sum:				107,301		

Sample No: T09-2796

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-3-PM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2472 User Sample No: T4-3-PM

FILE	RT	MQ	NAME	Concentration		
				percent	MW	MolFormula CAS

Analysis Date: 16-SEP-2009 10:13						
G2796	0.00	T	Carbon monoxide	0.0	28	CO 630-08-0
G2796	1.45	T	Carbon dioxide	30.0	44	CO2 124-38-9
G2796	3.35	T	Oxygen	5.0	32	O2 7782-44-7
G2796	6.16	T	Nitrogen	22.8	28	N2 7727-37-9
G2796	9.93	T	Methane	41.3	16	CH4 74-82-8
sum:				99		

FILE	RT	MQ	NAME	Concentration		
				ppmv	MW	MolFormula CAS

Analysis Date: 11-SEP-2009 00:00						
c2796	0.00	T	Ethane	0.0	30	C2H6 74-84-0
c2796	0.00	T	Acetylene	0.0	26	C2H2 74-86-2
c2796	0.00	T	Butane	0.0	58	C4H10 106-97-8
c2796	0.00	T	trans-2-Butene	0.0	56	C4H8 624-64-6
c2796	0.00	T	1-Butene	0.0	56	C4H8 106-98-9
c2796	0.00	T	Isobutylene	0.0	56	C4H8 115-11-7
c2796	0.00	T	cis-2-Butene	0.0	56	C4H8 590-18-1
c2796	0.00	T	Propyne	0.0	40	C3H4 74-99-7
c2796	0.00	T	1,3-Butadiene	0.0	54	C4H6 106-99-0
c2796	0.00	T	Ethylacetylene	0.0	54	C4H6 107-00-6
c2796	1.73	T	Methane	449,000.0	16	CH4 74-82-8
c2796	2.88	T	Ethylene	6.1	28	C2H4 74-85-1
c2796	4.23	T	Propane	7.0	44	C3H8 74-98-6
c2796	6.57	T	Propylene	3.8	42	C3H6 115-07-1
c2796	7.80	T	Isobutane	1.7	58	C4H10 75-28-5
sum:				449,019		

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS

Analysis Date: 15-SEP-2009 13:00						
R2796	0.00	T	Sulphur dioxide	0.0	64	SO2 7446-09-5
R2796	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S 513-53-1
R2796	0.00	T	Ethyl sulphide	0.0	90	C4H10S 352-93-2
R2796	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S 1679-09-0
R2796	0.00	T	Pentyl mercaptan	0.0	104	C5H12S 110-66-7
R2796	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S 872-55-9
R2796	0.00	T	Hexyl mercaptan	0.0	118	C6H14S 111-31-9
R2796	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3 3658-80-8
R2796	0.00	T	Heptyl mercaptan	0.0	132	C7H16S 1639-09-4
R2796	0.00	T	Butyl sulphide	0.0	146	C8H18S 544-40-1
R2796	0.00	T	Octyl mercaptan	0.0	146	C8H18S 111-88-6
R2796	1.08	T	Hydrogen sulphide	1,030.0	34	H2S 7783-06-4
R2796	1.29	T	Carbonyl sulphide	46.9	60	CO S 463-58-1
R2796	3.14	T	Methyl mercaptan	21.2	48	CH4S 74-93-1
R2796	5.78	T	Ethyl mercaptan	56.5	62	C2H6S 75-08-1
R2796	6.35	T	Dimethyl sulphide	91.3	62	C2H6S 75-18-3
R2796	6.70	T	Carbon disulphide	14.9	76	CS2 75-15-0
R2796	7.48	T	Isopropyl mercaptan	833.0	76	C3H8S 75-33-2

Sample No: T09-2796

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-3-PM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2472 User Sample No: T4-3-PM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 15-SEP-2009 13:00							
R2796	8.60	T	tert-Butyl mercaptan	141.0	90	C4H10S	75-66-1
R2796	8.98	T	Propyl mercaptan	25.9	76	C3H8S	107-03-9
R2796	9.18	T	Ethyl methyl sulphide	8.2	76	C3H8S	624-89-5
R2796	10.62	T	Thiophene	501.0	84	C4H4S	110-02-1
R2796	10.84	T	Isobutyl mercaptan	161.0	90	C4H10S	513-44-0
R2796	11.86	T	Butyl mercaptan	4.8	98	C4H10S	109-79-5
R2796	12.53	T	Dimethyl disulphide	3.8	94	C2H6S2	624-92-0
R2796	13.32	T	2-methyl Thiophene	72.4	98	C5H6S	554-14-3
R2796	13.52	T	3-methyl Thiophene	59.1	98	C5H6S	616-44-4
R2796	15.49	T	Allyl sulphide	6.4	114	C6H10S	592-88-1
R2796	15.62	T	2,5-dimethyl Thiophene	11.0	112	C6H8S	638-02-8
sum:				3,088			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 15-SEP-2009 11:56							
V2796	0.00	T	4-Methyl-1-pentene	0.0	84	C6H12	691-37-2
V2796	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2796	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2796	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2796	0.00	M	MEK	238.0	72	C4H8O	78-93-3
V2796	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2796	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2796	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2796	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2796	0.00	T	1,2-Dibromoethane	0.0	186	C2H4Br2	106-93-4
V2796	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2796	0.00	T	1,4-Dichlorobenzene	676.0	146	C6H4Cl2	106-46-7
V2796	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2796	2.50	T	Isobutane	2,140.0	58	C4H10	75-28-5
V2796	2.63	T	Vinyl chloride	1,610.0	63	C2H3Cl	75-01-4
V2796	2.66	T	1-Butene	797.0	56	C4H8	106-98-9
V2796	2.68	T	Butane	802.0	58	C4H10	106-97-8
V2796	2.78	T	trans-2-Butene	74.2	56	C4H8	624-64-6
V2796	2.89	T	cis-2-Butene	113.0	56	C4H8	590-18-1
V2796	3.05	T	Chloroethane	105.0	65	C2H5Cl	75-00-3
V2796	3.14	T	3-Methyl-1-butene	68.1	70	C5H10	563-45-1
V2796	3.27	T	Isopentane	1,090.0	72	C5H12	78-78-4
V2796	3.47	T	1-Pentene	75.8	70	C5H10	109-67-1
V2796	3.56	T	Pentane	548.0	72	C5H12	109-66-0
V2796	3.63	M	Acetone	251.0	58	C3H6O	67-64-1
V2796	3.70	T	Isoprene	45.2	68	C5H8	78-79-5
V2796	3.70	T	trans-2-Pentene	35.1	70	C5H10	646-04-8
V2796	3.80	T	cis-2-Pentene	22.6	70	C5H10	627-20-3
V2796	3.82	T	1,1-Dichloroethylene	35.2	96	C2H2Cl2	75-35-4
V2796	3.86	T	2-Methyl-2-butene	113.0	70	C5H10	563-46-2
V2796	4.00	T	2,2-Dimethylbutane	91.5	86	C6H14	75-83-2
V2796	4.06	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2796	4.33	T	Cyclopentene	7.1	68	C5H8	142-29-0

Sample No: T09-2796

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-3-PM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2472 User Sample No: T4-3-PM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS
SubGroup: voc						
Analysis Date: 15-SEP-2009 11:56						
V2796	4.42	T	2,3-Dimethylbutane	87.1	86	C6H14 79-29-8
V2796	4.45	T	Cyclopentane	81.8	70	C5H10 287-92-3
V2796	4.49	T	2-Methylpentane	447.0	86	C6H14 107-83-5
V2796	4.70	T	3-Methylpentane	486.0	86	C6H14 96-14-0
V2796	4.84	T	2-Methyl-1-pentene	33.9	84	C6H12 763-29-1
V2796	4.97	T	Hexane	1,350.0	86	C6H14 110-54-3
V2796	5.16	97	1,2-Dichloroethylene	585.0	96	C2H2Cl2 540-59-0
V2796	5.45	T	Methylcyclopentane	334.0	84	C6H12 96-37-7
V2796	6.00	T	Cyclohexane	511.0	84	C6H12 110-82-7
V2796	6.02	T	Benzene	324.0	78	C6H6 71-43-2
V2796	6.06	T	2-Methylhexane	587.0	100	C7H16 591-76-4
V2796	6.09	T	2,3-Dimethylpentane	201.0	100	C7H16 565-59-3
V2796	6.20	T	3-Methylhexane	671.0	100	C7H16 589-34-4
V2796	6.40	T	2,2,4-Trimethylpentane	483.0	114	C8H18 540-84-1
V2796	6.60	T	Heptane	817.0	100	C7H16 142-82-5
V2796	6.63	T	Trichloroethylene	80.9	131	C2HCl3 79-01-6
V2796	7.01	T	Methylcyclohexane	940.0	98	C7H14 108-87-2
V2796	7.42	T	2,3,4-Trimethylpentane	233.0	114	C8H18 565-75-3
V2796	7.65	T	2-Methylheptane	394.0	114	C8H18 592-27-8
V2796	7.74	T	Toluene	12,500.0	92	C7H8 108-88-3
V2796	7.77	T	3-Methylheptane	287.0	114	C8H18 589-81-1
V2796	7.90	95	Cyclohexane, 1,3-dimethyl-	521.0	112	C8H16 638-04-0
V2796	8.18	T	Octane	645.0	114	C8H18 111-65-9
V2796	8.42	T	Tetrachloroethylene	79.5	166	C2Cl4 127-18-4
V2796	8.72	92	Cyclohexane, 1,1,2-trimethyl-	389.0	126	C9H18 7094-26-0
V2796	8.78	97	Cyclohexane, ethyl-	285.0	112	C8H16 1678-91-7
V2796	8.96	I	Chlorobenzene-d5	.0	112	C6D5Cl 3114-55-4
V2796	8.99	T	Chlorobenzene	91.2	113	C6H5Cl 108-90-7
V2796	9.05	96	Cyclohexane, 1,2,4-trimethyl-	443.0	126	C9H18 7667-60-9
V2796	9.15	80	Octane, 2-methyl-	544.0	128	C9H20 3221-61-2
V2796	9.20	T	Ethyl benzene	5,650.0	106	C8H10 100-41-4
V2796	9.26	91	Octane, 3-methyl-	462.0	128	C9H20 2216-33-3
V2796	9.32	T	m,p-Xylene	5,320.0	106	C8H10 108-38-3 / 106-42-3
V2796	9.52	60	Cyclohexane, 1,2,3-trimethyl-	453.0	126	C9H18 1678-81-5
V2796	9.58	95	1-Ethyl-3-methylcyclohexane	395.0	126	C9H18 3728-55-0
V2796	9.63	T	Styrene	252.0	104	C8H8 100-42-5
V2796	9.65	T	Nonane	1,750.0	128	C9H20 111-84-2
V2796	9.67	T	o-Xylene	3,370.0	106	C8H10 95-47-6
V2796	9.84	58	3-Octene, 4-ethyl-	354.0	140	C10H20 53966-51-1
V2796	9.87	87	Cyclohexane, 1-ethyl-2-methyl-	338.0	126	C9H18 4923-78-8
V2796	9.91	52	Hexane, 2,4-dimethyl-	304.0	114	C8H18 589-43-5
V2796	10.01	83	Octane, 2,5-dimethyl-	275.0	142	C10H22 15869-89-3
V2796	10.08	58	Bicyclo[3.2.1]octane	442.0	110	C8H14 6221-55-2
V2796	10.11	T	Isopropylbenzene	396.0	120	C9H12 98-82-8
V2796	10.19	87	Cyclohexane, propyl-	885.0	126	C9H18 1678-92-8
V2796	10.27	T	alpha Pinene	3,290.0	136	C10H16 80-56-8
V2796	10.44	86	Undecane, 5,6-dimethyl-	592.0	184	C13H28 17615-91-7
V2796	10.52	T	n-Propylbenzene	388.0	120	C9H12 103-65-1
V2796	10.62	94	Benzene, 1-ethyl-3-methyl-	2,750.0	120	C9H12 620-14-4
V2796	10.72	T	1,3,5-Trimethylbenzene	522.0	120	C9H12 108-67-8

Sample No: T09-2796

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-3-PM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2472 User Sample No: T4-3-PM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS
SubGroup: voc						
Analysis Date: 15-SEP-2009 11:56						
V2796	10.90	T	beta Pinene	1,120.0	136	C10H16 18172-67-3
V2796	11.02	95	Decane	2,980.0	142	C10H22 124-18-5
V2796	11.08	T	1,2,4-Trimethylbenzene	1,340.0	120	C9H12 95-63-6
V2796	11.21	50	Hexatriacontane	368.0	507	C36H74 630-06-8
V2796	11.31	76	Decane, 4-methyl-	1,250.0	156	C11H24 2847-72-5
V2796	11.35	64	Decane, 2,2,5-trimethyl-	1,050.0	184	C13H28 62237-96-1
V2796	11.47	95	Benzene, 1-methyl-4-(1-meth	6,170.0	134	C10H14 99-87-6
V2796	11.54	99	dl-Limonene	4,450.0	136	C10H16 138-86-3
V2796	11.75	62	Decane, 5-methyl-	301.0	156	C11H24 13151-35-4
V2796	11.81	43	Heptane, 2,2-dimethyl-	754.0	128	C9H20 1071-26-7
V2796	11.88	47	Hexane, 2,2,5,5-tetramethyl	644.0	142	C10H22 1071-81-4
V2796	12.06	64	Hydroxylamine, O-decyl-	816.0	173	C10H23NO 29812-79-1
V2796	12.28	95	Undecane	1,940.0	156	C11H24 1120-21-4
V2796	12.48	64	Tridecane	382.0	184	C13H28 629-50-5
V2796	12.68	47	n-Propyl i-butyl disulfide	525.0	164	C7H16S2 72437-65-1
sum:				85,647		

Sample No: T09-2797

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-A-AM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1690 User Sample No: T6-A-AM

SubGroup: TCO				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 16-SEP-2009 10:59							
G2797	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2797	1.44	T	Carbon dioxide	34.9	44	CO2	124-38-9
G2797	3.36	T	Oxygen	1.3	32	O2	7782-44-7
G2797	6.18	T	Nitrogen	9.8	28	N2	7727-37-9
G2797	9.90	T	Methane	47.5	16	CH4	74-82-8
				sum:	93		

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 11-SEP-2009 00:00							
c2797	0.00	T	Ethane	0.0	30	C2H6	74-84-0
c2797	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2797	0.00	T	Butane	0.0	58	C4H10	106-97-8
c2797	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2797	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2797	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2797	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2797	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2797	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2797	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2797	1.72	T	Methane	591,000.0	16	CH4	74-82-8
c2797	2.86	T	Ethylene	8.5	28	C2H4	74-85-1
c2797	4.20	T	Propane	16.4	44	C3H8	74-98-6
c2797	6.54	T	Propylene	2.7	42	C3H6	115-07-1
c2797	7.78	T	Isobutane	9.8	58	C4H10	75-28-5
				sum:	591,037		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 15-SEP-2009 13:25							
R2797	0.00	T	Sulphur dioxide	0.0	64	S02	7446-09-5
R2797	0.00	T	Methyl mercaptan	0.0	48	CH4S	74-93-1
R2797	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2797	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2797	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2797	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2797	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2797	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2797	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2797	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2797	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2797	.99	T	Hydrogen sulphide	5.3	34	H2S	7783-06-4
R2797	1.31	T	Carbonyl sulphide	64.8	60	COS	463-58-1
R2797	5.76	T	Ethyl mercaptan	3.5	62	C2H6S	75-08-1
R2797	6.33	T	Dimethyl sulphide	325.0	62	C2H6S	75-18-3
R2797	6.69	T	Carbon disulphide	120.0	76	CS2	75-15-0
R2797	7.47	T	Isopropyl mercaptan	865.0	76	C3H8S	75-33-2
R2797	8.58	T	tert-Butyl mercaptan	168.0	90	C4H10S	75-66-1

Sample No: T09-2797

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-A-AM

SmpDate: 5-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1690 User Sample No: T6-A-AM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 15-SEP-2009 13:25							
R2797	8.97	T	Propyl mercaptan	5.3	76	C3H8S	107-03-9
R2797	9.15	T	Ethyl methyl sulphide	12.2	76	C3H8S	624-89-5
R2797	10.60	T	Thiophene	569.0	84	C4H4S	110-02-1
R2797	10.84	T	Isobutyl mercaptan	189.0	90	C4H10S	513-44-0
R2797	11.38	T	Ethyl sulphide	10.1	90	C4H10S	352-93-2
R2797	11.84	T	Butyl mercaptan	8.5	98	C4H10S	109-79-5
R2797	12.52	T	Dimethyl disulphide	10.9	94	C2H6S2	624-92-0
R2797	13.38	T	2-methyl Thiophene	58.9	98	C5H6S	554-14-3
R2797	13.57	T	3-methyl Thiophene	68.4	98	C5H6S	616-44-4
R2797	15.53	T	Allyl sulphide	4.4	114	C6H10S	592-88-1
R2797	15.65	T	2,5-dimethyl Thiophene	6.1	112	C6H8S	638-02-8
sum:				2,494			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 16-SEP-2009 10:01							
V2797	0.00	T	Cyclopentene	0.0	68	C5H8	142-29-0
V2797	0.00	T	4-Methyl-1-pentene	0.0	84	C6H12	691-37-2
V2797	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2797	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2797	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2797	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2797	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2797	0.00	T	1,1-Dichloroethylene	0.0	96	C2H2Cl2	75-35-4
V2797	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2797	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2797	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2797	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2797	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2797	0.00	T	1,4-Dichlorobenzene	395.6	146	C6H4Cl2	106-46-7
V2797	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2797	2.53	T	Isobutane	6,300.0	58	C4H10	75-28-5
V2797	2.66	T	Vinyl chloride	2,030.0	63	C2H3Cl	75-01-4
V2797	2.69	T	1-Butene	996.0	56	C4H8	106-98-9
V2797	2.71	T	Butane	2,010.0	58	C4H10	106-97-8
V2797	2.81	T	trans-2-Butene	199.0	56	C4H8	624-64-6
V2797	2.91	T	cis-2-Butene	205.0	56	C4H8	590-18-1
V2797	3.17	T	3-Methyl-1-butene	87.4	70	C5H10	563-45-1
V2797	3.30	T	Isopentane	7,410.0	72	C5H12	78-78-4
V2797	3.50	T	1-Pentene	74.8	70	C5H10	109-67-1
V2797	3.58	T	Pentane	2,420.0	72	C5H12	109-66-0
V2797	3.63	M	Acetone	450.0	58	C3H6O	67-64-1
V2797	3.73	T	Isoprene	90.7	68	C5H8	78-79-5
V2797	3.73	T	trans-2-Pentene	55.7	70	C5H10	646-04-8
V2797	3.82	T	cis-2-Pentene	33.1	70	C5H10	627-20-3
V2797	3.88	T	2-Methyl-2-butene	143.0	70	C5H10	563-46-2
V2797	4.02	T	2,2-Dimethylbutane	280.0	86	C6H14	75-83-2
V2797	4.08	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2797	4.45	T	2,3-Dimethylbutane	272.0	86	C6H14	79-29-8

Sample No: T09-2797

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-A-AM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1690 User Sample No: T6-A-AM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS
SubGroup: voc						
Analysis Date: 16-SEP-2009 10:01						
V2797	4.47	T	Cyclopentane	1,120.0	70	C5H10 287-92-3
V2797	4.51	T	2-Methylpentane	1,330.0	86	C6H14 107-83-5
V2797	4.72	T	3-Methylpentane	1,630.0	86	C6H14 96-14-0
V2797	4.86	T	2-Methyl-1-pentene	68.6	84	C6H12 763-29-1
V2797	4.99	T	Hexane	4,910.0	86	C6H14 110-54-3
V2797	5.10	M	MEK	589.0	72	C4H8O 78-93-3
V2797	5.17	97	1,2-Dichloroethylene	640.0	96	C2H2Cl2 540-59-0
V2797	5.46	T	Methylcyclopentane	1,060.0	84	C6H12 96-37-7
V2797	6.01	T	Cyclohexane	1,200.0	84	C6H12 110-82-7
V2797	6.03	T	Benzene	628.0	78	C6H6 71-43-2
V2797	6.07	T	2-Methylhexane	911.0	100	C7H16 591-76-4
V2797	6.10	T	2,3-Dimethylpentane	480.0	100	C7H16 565-59-3
V2797	6.21	T	3-Methylhexane	1,410.0	100	C7H16 589-34-4
V2797	6.40	T	2,2,4-Trimethylpentane	454.0	114	C8H18 540-84-1
V2797	6.60	T	Heptane	1,550.0	100	C7H16 142-82-5
V2797	6.63	T	Trichloroethylene	148.0	131	C2HCl3 79-01-6
V2797	7.02	T	Methylcyclohexane	1,090.0	98	C7H14 108-87-2
V2797	7.42	T	2,3,4-Trimethylpentane	234.0	114	C8H18 565-75-3
V2797	7.65	T	2-Methylheptane	355.0	114	C8H18 592-27-8
V2797	7.74	T	Toluene	18,400.0	92	C7H8 108-88-3
V2797	7.77	T	3-Methylheptane	257.0	114	C8H18 569-81-1
V2797	7.90	95	Cyclohexane, 1,3-dimethyl-,	653.0	112	C8H16 638-04-0
V2797	8.18	T	Octane	723.0	114	C8H18 111-65-9
V2797	8.41	T	Tetrachloroethylene	183.0	166	C2Cl4 127-18-4
V2797	8.72	55	Cyclohexane, 1,2,3-trimethy	520.0	126	C9H18 1678-81-5
V2797	8.77	97	Cyclohexane, ethyl-	354.0	112	C8H16 1678-91-7
V2797	8.82	97	Cyclohexane, 1,1,3-trimethy	291.0	126	C9H18 3073-66-3
V2797	8.95	I	Chlorobenzene-d5	.0	112	C6D5Cl 3114-55-4
V2797	8.99	T	Chlorobenzene	45.5	113	C6H5Cl 108-90-7
V2797	9.04	96	Cyclohexane, 1,2,4-trimethy	568.0	126	C9H18 7667-60-9
V2797	9.14	72	Octane, 4-methyl-	624.0	128	C9H20 2216-34-4
V2797	9.19	T	Ethyl benzene	6,730.0	106	C8H10 100-41-4
V2797	9.25	91	Octane, 3-methyl-	498.0	128	C9H20 2216-33-3
V2797	9.31	T	m,p-Xylene	5,920.0	106	C8H10 108-38-3 / 106-42-3
V2797	9.41	93	Cyclohexane, 1,2,3-trimethy	268.0	126	C9H18 7667-55-2
V2797	9.47	97	Cyclohexane, 1,2,4-trimethy	276.0	126	C9H18 2234-75-5
V2797	9.52	58	3-Nonene, (E)-	439.0	126	C9H18 20063-92-7
V2797	9.57	95	1-Ethyl-4-methylcyclohexane	412.0	126	C9H18 3728-56-1
V2797	9.63	T	Styrene	528.0	104	C8H8 100-42-5
V2797	9.64	T	Nonane	1,430.0	128	C9H20 111-84-2
V2797	9.67	T	o-Xylene	2,900.0	106	C8H10 95-47-6
V2797	9.83	58	1,2,3-trimethylcyclohexane	338.0	126	C9H18 1678-81-5
V2797	9.86	93	Cyclohexane, 1-ethyl-2-meth	339.0	126	C9H18 4923-78-8
V2797	10.11	T	Isopropylbenzene	282.0	120	C9H12 98-82-8
V2797	10.18	87	Cyclohexane, propyl-	804.0	126	C9H18 1678-92-8
V2797	10.27	T	alpha Pinene	4,100.0	136	C10H16 80-56-8
V2797	10.43	86	Undecane, 5,6-dimethyl-	482.0	184	C13H28 17615-91-7
V2797	10.51	T	n-Propylbenzene	303.0	120	C9H12 103-65-1
V2797	10.62	94	Benzene, 1-ethyl-3-methyl-	2,430.0	120	C9H12 620-14-4
V2797	10.71	T	1,3,5-Trimethylbenzene	360.0	120	C9H12 108-67-8

Sample No: T09-2797

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-A-AM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1690 User Sample No: T6-A-AM

FILE	RT	MQ	NAME	Concentration ppbv	MW	MolFormula	CAS
Analysis Date: 16-SEP-2009 10:01							
V2797	10.89	T	beta Pinene	1,360.0	136	C10H16	18172-67-3
V2797	11.00	95	Decane	2,480.0	142	C10H22	124-18-5
V2797	11.07	T	1,2,4-Trimethylbenzene	895.0	120	C9H12	95-63-6
V2797	11.20	38	Heptane, 3-methyl-	268.0	114	C8H18	589-81-1
V2797	11.31	86	Decane, 4-methyl-	1,080.0	156	C11H24	2847-72-5
V2797	11.34	72	Decane, 2,2-dimethyl-	874.0	170	C12H26	17302-37-3
V2797	11.46	95	Benzene, methyl(1-methyleth	5,690.0	134	C10H14	25155-15-1
V2797	11.52	99	dl-Limonene	4,990.0	136	C10H16	138-86-3
V2797	11.80	53	Heptane, 5-ethyl-2,2,3-trim	611.0	170	C12H26	62199-06-8
V2797	11.87	50	Undecane, 3,6-dimethyl-	510.0	184	C13H28	17301-28-9
V2797	12.05	47	Dodecane, 4-methyl-	603.0	184	C13H28	6117-97-1
V2797	12.27	95	Undecane	1,280.0	156	C11H24	1120-21-4
V2797	12.67	91	Disulfide, ethyl hexyl	346.0	164	C7H16S2	67421-86-7
sum:				115,704			

Sample No: T09-2798 Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-B-Noon
 SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: 2523 User Sample No: T6-B-NOON

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 16-SEP-2009 11:20							
G2798	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2798	1.43	T	Carbon dioxide	37.7	44	CO2	124-38-9
G2798	3.36	T	Oxygen	1.4	32	O2	7782-44-7
G2798	6.17	T	Nitrogen	8.8	28	N2	7727-37-9
G2798	9.88	T	Methane	51.2	16	CH4	74-82-8
sum:				99			

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 11-SEP-2009 00:00							
c2798	0.00	T	Ethane	0.0	30	C2H6	74-84-0
c2798	0.00	T	Propylene	0.0	42	C3H6	115-07-1
c2798	0.00	T	Isobutane	0.0	58	C4H10	75-28-5
c2798	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2798	0.00	T	Butane	0.0	58	C4H10	106-97-8
c2798	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2798	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2798	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2798	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2798	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2798	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2798	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2798	1.72	T	Methane	565,000.0	16	CH4	74-82-8
c2798	2.87	T	Ethylene	8.3	28	C2H4	74-85-1
c2798	4.20	T	Propane	17.8	44	C3H8	74-98-6
sum:				565,026			

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 09:01							
R2798B	0.00	T	Carbonyl sulphide	0.0	60	COS	463-58-1
R2798B	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2798B	0.00	T	Ethyl methyl sulphide	0.0	76	C3H8S	624-89-5
R2798B	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2798B	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2798B	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2798B	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2798B	0.00	T	Allyl sulphide	0.0	114	C6H10S	592-88-1
R2798B	0.00	T	2,5-dimethyl Thiophene	0.0	112	C6H8S	638-02-8
R2798B	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2798B	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2798B	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2798B	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2798B	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2798B	1.09	T	Hydrogen sulphide	9,180.0	34	H2S	7783-06-4
R2798B	3.23	T	Methyl mercaptan	145.0	48	CH4S	74-93-1
R2798B	5.82	T	Ethyl mercaptan	133.0	62	C2H6S	75-08-1
R2798B	6.38	T	Dimethyl sulphide	358.0	62	C2H6S	75-18-3

Sample No: T09-2798

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-B-Noon

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2523 User Sample No: T6-B-NOON

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 09:01							
R2798B	6.73	T	Carbon disulphide	110.0	76	CS2	75-15-0
R2798B	7.50	T	Isopropyl mercaptan	2,300.0	76	C3H8S	75-33-2
R2798B	8.61	T	tert-Butyl mercaptan	261.0	90	C4H10S	75-66-1
R2798B	9.00	T	Propyl mercaptan	71.9	76	C3H8S	107-03-9
R2798B	10.63	T	Thiophene	1,780.0	84	C4H4S	110-02-1
R2798B	10.86	T	Isobutyl mercaptan	212.0	90	C4H10S	513-44-0
R2798B	11.84	T	Butyl mercaptan	31.7	98	C4H10S	109-79-5
R2798B	12.54	T	Dimethyl disulphide	4.5	94	C2H6S2	624-92-0
R2798B	13.35	T	2-methyl Thiophene	73.6	98	C5H6S	554-14-3
R2798B	13.55	T	3-methyl Thiophene	70.9	98	C5H6S	616-44-4
R2798B	14.39	T	Pentyl mercaptan	20.7	104	C5H12S	110-66-7
R2798B	16.34	0	Unknown Sulphurs (MW=32)	1,330.0	0		
				sum:	16,082		

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 16-SEP-2009 10:37							
V2798	0.00	T	Cyclopentene	0.0	68	C5H8	142-29-0
V2798	0.00	T	4-Methyl-1-pentene	0.0	84	C6H12	691-37-2
V2798	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2798	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2798	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2798	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2798	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2798	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2798	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2798	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2798	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2798	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2798	0.00	T	1,4-Dichlorobenzene	493.2	146	C6H4Cl2	106-46-7
V2798	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2798	2.51	T	Isobutane	7,780.0	58	C4H10	75-28-5
V2798	2.64	T	Vinyl chloride	2,370.0	63	C2H3Cl	75-01-4
V2798	2.67	T	1-Butene	1,240.0	56	C4H8	106-98-9
V2798	2.69	T	Butane	2,470.0	58	C4H10	106-97-8
V2798	2.79	T	trans-2-Butene	282.0	56	C4H8	624-64-6
V2798	2.89	T	cis-2-Butene	433.0	56	C4H8	590-18-1
V2798	3.15	T	3-Methyl-1-butene	109.0	70	C5H10	563-45-1
V2798	3.28	T	Isopentane	8,650.0	72	C5H12	78-78-4
V2798	3.49	T	1-Pentene	138.0	70	C5H10	109-67-1
V2798	3.57	T	Pentane	2,850.0	72	C5H12	109-66-0
V2798	3.63	M	Acetone	512.0	58	C3H6O	67-64-1
V2798	3.71	T	Isoprene	104.0	68	C5H8	78-79-5
V2798	3.71	T	trans-2-Pentene	67.3	70	C5H10	646-04-8
V2798	3.81	T	cis-2-Pentene	41.2	70	C5H10	627-20-3
V2798	3.84	T	1,1-Dichloroethylene	41.8	96	C2H2Cl2	75-35-4
V2798	3.87	T	2-Methyl-2-butene	169.0	70	C5H10	563-46-2
V2798	4.01	T	2,2-Dimethylbutane	322.0	86	C6H14	75-83-2
V2798	4.07	T	Methylene chloride	.0	84	CH2Cl2	75-09-2

Sample No: T09-2798

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-B-Noon

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2523 User Sample No: T6-B-NOON

FILE	SubGroup: voc			Concentration		
	RT	MQ	NAME	ppbv	MW	MolFormula CAS

Analysis Date: 16-SEP-2009 10:37						
V2798	4.44	T	2,3-Dimethylbutane	334.0	86	C6H14 79-29-8
V2798	4.46	T	Cyclopentane	1,320.0	70	C5H10 287-92-3
V2798	4.50	T	2-Methylpentane	1,630.0	86	C6H14 107-83-5
V2798	4.72	T	3-Methylpentane	2,010.0	86	C6H14 96-14-0
V2798	4.86	T	2-Methyl-1-pentene	86.1	84	C6H12 763-29-1
V2798	4.98	T	Hexane	6,070.0	86	C6H14 110-54-3
V2798	5.09	M	MEK	681.0	72	C4H8O 78-93-3
V2798	5.17	97	1,2-Dichloroethylene	646.0	96	C2H2Cl2 540-59-0
V2798	5.46	T	Methylcyclopentane	1,300.0	84	C6H12 96-37-7
V2798	6.01	T	Cyclohexane	1,540.0	84	C6H12 110-82-7
V2798	6.03	T	Benzene	744.0	78	C6H6 71-43-2
V2798	6.06	T	2-Methylhexane	1,180.0	100	C7H16 591-76-4
V2798	6.10	T	2,3-Dimethylpentane	485.0	100	C7H16 565-59-3
V2798	6.21	T	3-Methylhexane	1,830.0	100	C7H16 589-34-4
V2798	6.41	T	2,2,4-Trimethylpentane	589.0	114	C8H18 540-84-1
V2798	6.60	T	Heptane	2,030.0	100	C7H16 142-82-5
V2798	6.63	T	Trichloroethylene	185.0	131	C2HCl3 79-01-6
V2798	7.02	T	Methylcyclohexane	1,410.0	98	C7H14 108-87-2
V2798	7.42	T	2,3,4-Trimethylpentane	302.0	114	C8H18 565-75-3
V2798	7.65	T	2-Methylheptane	441.0	114	C8H18 592-27-8
V2798	7.74	T	Toluene	21,800.0	92	C7H8 108-88-3
V2798	7.77	T	3-Methylheptane	319.0	114	C8H18 589-81-1
V2798	7.90	95	Cyclohexane, 1,3-dimethyl-,	775.0	112	C8H16 638-04-0
V2798	8.18	T	Octane	900.0	114	C8H18 111-65-9
V2798	8.42	98	Ethene, tetrachloro-	342.0	164	C2Cl4 127-18-4
V2798	8.42	T	Tetrachloroethylene	226.0	166	C2Cl4 127-18-4
V2798	8.62	83	Heptane, 2,6-dimethyl-	416.0	128	C9H20 1072-05-5
V2798	8.72	68	Cyclohexane, 1,2,3-trimethyl-	525.0	126	C9H18 1678-81-5
V2798	8.78	97	Cyclohexane, ethyl-	413.0	112	C8H16 1678-91-7
V2798	8.96	I	Chlorobenzene-d5	.0	112	C6D5Cl 3114-55-4
V2798	8.99	T	Chlorobenzene	53.5	113	C6H5Cl 108-90-7
V2798	9.05	92	Cyclohexane, 1,2,4-trimethyl-	655.0	126	C9H18 7667-60-9
V2798	9.14	72	Octane, 4-methyl-	658.0	128	C9H20 2216-34-4
V2798	9.20	T	Ethyl benzene	8,230.0	106	C8H10 100-41-4
V2798	9.25	91	Octane, 3-methyl-	462.0	128	C9H20 2216-33-3
V2798	9.31	T	m,p-Xylene	7,210.0	106	C8H10 108-38-3 / 106-42-3
V2798	9.52	87	Cyclopentane, 1-methyl-2-pr	394.0	126	C9H18 3728-57-2
V2798	9.57	95	1-Ethyl-4-methylcyclohexane	346.0	126	C9H18 3728-56-1
V2798	9.63	T	Styrene	654.0	104	C8H8 100-42-5
V2798	9.65	T	Nonane	1,750.0	128	C9H20 111-84-2
V2798	9.67	T	o-Xylene	3,540.0	106	C8H10 95-47-6
V2798	9.84	45	4-Nonene, 3-methyl-, (Z)- (464.0	140	C10H20 63830-69-3
V2798	9.86	93	Cyclohexane, 1-ethyl-2-meth	414.0	126	C9H18 4923-78-8
V2798	9.90	52	Hexane, 2,4-dimethyl-	343.0	114	C8H18 589-43-5
V2798	10.08	38	Bicyclo[3.3.1]nonane	477.0	124	C9H16 280-65-9
V2798	10.11	T	Isopropylbenzene	334.0	120	C9H12 98-82-8
V2798	10.19	81	Cyclohexane, propyl-	959.0	126	C9H18 1678-92-8
V2798	10.27	T	alpha Pinene	3,300.0	136	C10H16 80-56-8
V2798	10.43	86	Undecane, 5,6-dimethyl-	586.0	184	C13H28 17615-91-7
V2798	10.52	T	n-Propylbenzene	515.0	120	C9H12 103-65-1

Sample No: T09-2798

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-B-Noon

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2523 User Sample No: T6-B-NOON

FILE	SubGroup: voc			Concentration		
	RT	MQ	NAME	ppbv	MW	MolFormula CAS

Analysis Date: 16-SEP-2009 10:37						
V2798	10.62	94	Benzene, 1-ethyl-3-methyl-	2,990.0	120	C9H12 620-14-4
V2798	10.71	T	1,3,5-Trimethylbenzene	447.0	120	C9H12 108-67-8
V2798	10.90	T	beta Pinene	315.0	136	C10H16 18172-67-3
V2798	10.98	50	Heptane, 2,2-dimethyl-	506.0	128	C9H20 1071-26-7
V2798	11.01	97	Decane	3,010.0	142	C10H22 124-18-5
V2798	11.07	T	1,2,4-Trimethylbenzene	1,120.0	120	C9H12 95-63-6
V2798	11.21	38	Decane, 5-methyl-	420.0	156	C11H24 13151-35-4
V2798	11.31	55	Decane, 4-methyl-	1,170.0	156	C11H24 2847-72-5
V2798	11.34	72	Decane, 2,2-dimethyl-	993.0	170	C12H26 17302-37-3
V2798	11.47	95	Benzene, methyl(1-methyleth	7,530.0	134	C10H14 25155-15-1
V2798	11.53	99	dl-Limonene	5,610.0	136	C10H16 138-86-3
V2798	11.81	50	Heptane, 2,2-dimethyl-	745.0	128	C9H20 1071-26-7
V2798	11.87	50	Dodecane, 2,2,11,11-tetrame	645.0	226	C16H34 127204-12-0
V2798	12.06	53	Decane, 2,6,7-trimethyl-	743.0	184	C13H28 62108-25-2
V2798	12.28	95	Undecane	2,170.0	156	C11H24 1120-21-4
sum:				138,360		

Sample No: T09-2799 Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-1-AM
 SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: H2831 User Sample No: T4-1-AM

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 16-SEP-2009 11:54							
G2799	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2799	1.45	T	Carbon dioxide	28.6	44	CO2	124-38-9
G2799	3.34	T	Oxygen	5.5	32	O2	7782-44-7
G2799	6.15	T	Nitrogen	25.3	28	N2	7727-37-9
G2799	9.91	T	Methane	39.6	16	CH4	74-82-8
				sum:	99		

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 16-SEP-2009 12:33							
G2799Z	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2799Z	1.45	T	Carbon dioxide	28.1	44	CO2	124-38-9
G2799Z	3.34	T	Oxygen	5.6	32	O2	7782-44-7
G2799Z	6.14	T	Nitrogen	25.5	28	N2	7727-37-9
G2799Z	9.90	T	Methane	39.5	16	CH4	74-82-8
				sum:	99		

SubGroup: clc4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 11-SEP-2009 00:00							
c2799	0.00	T	Ethane	0.0	30	C2H6	74-84-0
c2799	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2799	0.00	T	Butane	0.0	58	C4H10	106-97-8
c2799	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2799	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2799	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2799	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2799	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2799	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2799	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2799	1.72	T	Methane	408,000.0	16	CH4	74-82-8
c2799	2.86	T	Ethylene	4.4	28	C2H4	74-85-1
c2799	4.20	T	Propane	7.3	44	C3H8	74-98-6
c2799	6.54	T	Propylene	3.5	42	C3H6	115-07-1
c2799	7.77	T	Isobutane	2.2	58	C4H10	75-28-5
				sum:	408,017		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 15-SEP-2009 14:08							
R2799	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2799	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2799	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2799	0.00	T	Butyl mercaptan	0.0	98	C4H10S	109-79-5
R2799	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2799	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2799	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2799	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2799	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2799	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2799	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1

Sample No: T09-2799

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-1-AM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2831 User Sample No: T4-1-AM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 15-SEP-2009 14:08							
R2799	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2799	1.06	T	Hydrogen sulphide	258.0	34	H2S	7783-06-4
R2799	1.30	T	Carbonyl sulphide	25.9	60	COS	463-58-1
R2799	3.18	T	Methyl mercaptan	11.0	48	CH4S	74-93-1
R2799	5.79	T	Ethyl mercaptan	36.7	62	C2H6S	75-08-1
R2799	6.37	T	Dimethyl sulphide	71.0	62	C2H6S	75-18-3
R2799	6.71	T	Carbon disulphide	9.5	76	CS2	75-15-0
R2799	7.50	T	Isopropyl mercaptan	498.0	76	C3H8S	75-33-2
R2799	8.61	T	tert-Butyl mercaptan	117.0	90	C4H10S	75-66-1
R2799	8.99	T	Propyl mercaptan	17.7	76	C3H8S	107-03-9
R2799	9.19	T	Ethyl methyl sulphide	6.0	76	C3H8S	624-89-5
R2799	10.63	T	Thiophene	380.0	84	C4H4S	110-02-1
R2799	10.86	T	Isobutyl mercaptan	118.0	90	C4H10S	513-44-0
R2799	12.53	T	Dimethyl disulphide	4.4	94	C2H6S2	624-92-0
R2799	13.39	T	2-methyl Thiophene	54.1	98	C5H6S	554-14-3
R2799	13.59	T	3-methyl Thiophene	37.1	98	C5H6S	616-44-4
R2799	15.55	T	Allyl sulphide	5.2	114	C6H10S	592-88-1
R2799	15.66	T	2,5-dimethyl Thiophene	6.5	112	C6H8S	638-02-8
sum:				1,656			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 16-SEP-2009 11:13							
V2799	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2799	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2799	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2799	0.00	M	MEK	153.0	72	C4H8O	78-93-3
V2799	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2799	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2799	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2799	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2799	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2799	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2799	0.00	T	1,4-Dichlorobenzene	420.6	146	C6H4Cl2	106-46-7
V2799	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2799	2.51	T	Isobutane	2,360.0	58	C4H10	75-28-5
V2799	2.64	T	Vinyl chloride	1,720.0	63	C2H3Cl	75-01-4
V2799	2.67	T	1-Butene	806.0	56	C4H8	106-98-9
V2799	2.70	T	Butane	888.0	58	C4H10	106-97-8
V2799	2.80	T	trans-2-Butene	77.5	56	C4H8	624-64-6
V2799	2.90	T	cis-2-Butene	106.0	56	C4H8	590-18-1
V2799	3.06	T	Chloroethane	122.0	65	C2H5Cl	75-00-3
V2799	3.15	T	3-Methyl-1-butene	73.0	70	C5H10	563-45-1
V2799	3.29	T	Isopentane	1,160.0	72	C5H12	78-78-4
V2799	3.49	T	1-Pentene	80.4	70	C5H10	109-67-1
V2799	3.58	T	Pentane	542.0	72	C5H12	109-66-0
V2799	3.63	M	Acetone	183.0	58	C3H6O	67-64-1
V2799	3.72	T	Isoprene	40.8	68	C5H8	78-79-5
V2799	3.72	T	trans-2-Pentene	37.7	70	C5H10	646-04-8

Sample No: T09-2799

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-1-AM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2831 User Sample No: T4-1-AM

FILE	SubGroup: voc			Concentration		MW	MolFormula	CAS
	RT	MQ	NAME	ppbv				

Analysis Date: 16-SEP-2009 11:13								
V2799	3.81	T	cis-2-Pentene	21.8	70	C5H10	627-20-3	
V2799	3.84	T	1,1-Dichloroethylene	29.6	96	C2H2Cl2	75-35-4	
V2799	3.88	T	2-Methyl-2-butene	126.0	70	C5H10	563-46-2	
V2799	4.01	T	2,2-Dimethylbutane	103.0	86	C6H14	75-83-2	
V2799	4.08	T	Methylene chloride	.0	84	CH2Cl2	75-09-2	
V2799	4.34	T	Cyclopentene	8.7	68	C5H8	142-29-0	
V2799	4.36	T	4-Methyl-1-pentene	14.5	84	C6H12	691-37-2	
V2799	4.44	T	2,3-Dimethylbutane	97.5	86	C6H14	79-29-8	
V2799	4.47	T	Cyclopentane	83.3	70	C5H10	287-92-3	
V2799	4.51	T	2-Methylpentane	463.0	86	C6H14	107-83-5	
V2799	4.72	T	3-Methylpentane	519.0	86	C6H14	96-14-0	
V2799	4.86	T	2-Methyl-1-pentene	43.6	84	C6H12	763-29-1	
V2799	4.99	T	Hexane	1,350.0	86	C6H14	110-54-3	
V2799	5.17	97	1,2-Dichloroethylene	445.0	96	C2H2Cl2	540-59-0	
V2799	5.46	T	Methylcyclopentane	329.0	84	C6H12	96-37-7	
V2799	6.02	T	Cyclohexane	543.0	84	C6H12	110-82-7	
V2799	6.03	T	Benzene	309.0	78	C6H6	71-43-2	
V2799	6.07	T	2-Methylhexane	539.0	100	C7H16	591-76-4	
V2799	6.11	T	2,3-Dimethylpentane	213.0	100	C7H16	565-59-3	
V2799	6.21	T	3-Methylhexane	672.0	100	C7H16	589-34-4	
V2799	6.41	T	2,2,4-Trimethylpentane	505.0	114	C8H18	540-84-1	
V2799	6.61	T	Heptane	857.0	100	C7H16	142-82-5	
V2799	6.64	T	Trichloroethylene	63.2	131	C2HCl3	79-01-6	
V2799	7.02	T	Methylcyclohexane	1,000.0	98	C7H14	108-87-2	
V2799	7.43	T	2,3,4-Trimethylpentane	230.0	114	C8H18	565-75-3	
V2799	7.66	T	2-Methylheptane	388.0	114	C8H18	592-27-8	
V2799	7.75	T	Toluene	9,980.0	92	C7H8	108-88-3	
V2799	7.78	T	3-Methylheptane	281.0	114	C8H18	589-81-1	
V2799	7.91	95	Cyclohexane, 1,3-dimethyl-,	502.0	112	C8H16	638-04-0	
V2799	8.18	T	Octane	687.0	114	C8H18	111-65-9	
V2799	8.42	T	Tetrachloroethylene	66.4	166	C2Cl4	127-18-4	
V2799	8.73	76	Cyclohexane, 1,2,4-trimethyl	359.0	126	C9H18	2234-75-5	
V2799	8.78	97	Cyclohexane, ethyl-	256.0	112	C8H16	1678-91-7	
V2799	8.83	95	Cyclohexane, 1,1,3-trimethyl	230.0	126	C9H18	3073-66-3	
V2799	8.96	I	Chlorobenzene-d5	.0	112	C6D5Cl	3114-55-4	
V2799	8.99	T	Chlorobenzene	73.4	113	C6H5Cl	108-90-7	
V2799	9.05	96	Cyclohexane, 1,2,4-trimethyl	405.0	126	C9H18	7667-60-9	
V2799	9.15	59	Heptane, 2,3-dimethyl-	479.0	128	C9H20	3074-71-3	
V2799	9.21	T	Ethyl benzene	4,590.0	106	C8H10	100-41-4	
V2799	9.26	91	Octane, 3-methyl-	415.0	128	C9H20	2216-33-3	
V2799	9.32	T	m,p-Xylene	4,290.0	106	C8H10	108-38-3 / 106-42-3	
V2799	9.53	64	Cyclopentane, butyl-	399.0	126	C9H18	2040-95-1	
V2799	9.58	95	1-Ethyl-3-methylcyclohexane	345.0	126	C9H18	3728-55-0	
V2799	9.64	T	Styrene	165.0	104	C8H8	100-42-5	
V2799	9.65	T	Nonane	1,440.0	128	C9H20	111-84-2	
V2799	9.68	T	o-Xylene	2,640.0	106	C8H10	95-47-6	
V2799	9.84	58	1,2,3-trimethylcyclohexane	308.0	126	C9H18	1678-81-5	
V2799	9.87	94	Cyclohexane, 1-ethyl-2-methyl	302.0	126	C9H18	4923-78-8	
V2799	9.91	52	Hexane, 2,4-dimethyl-	265.0	114	C8H18	589-43-5	
V2799	10.01	83	Octane, 2,5-dimethyl-	244.0	142	C10H22	15869-89-3	

Sample No: T09-2799

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-1-AM

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2831 User Sample No: T4-1-AM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS
SubGroup: voc						
Analysis Date: 16-SEP-2009 11:13						
V2799	10.09	50	Bicyclo[3.3.1]nonane	419.0	124	C9H16 280-65-9
V2799	10.12	T	Isopropylbenzene	310.0	120	C9H12 98-82-8
V2799	10.19	87	Cyclohexane, propyl-	726.0	126	C9H18 1678-92-8
V2799	10.28	T	alpha Pinene	2,710.0	136	C10H16 80-56-8
V2799	10.36	47	Cyclopentane, 1-butyl-2-eth	225.0	154	C11H22 72993-32-9
V2799	10.44	86	Undecane, 5,6-dimethyl-	498.0	184	C13H28 17615-91-7
V2799	10.53	T	n-Propylbenzene	290.0	120	C9H12 103-65-1
V2799	10.62	94	Benzene, 1-ethyl-3-methyl-	2,140.0	120	C9H12 620-14-4
V2799	10.72	T	1,3,5-Trimethylbenzene	375.0	120	C9H12 108-67-8
V2799	10.90	T	beta Pinene	1,030.0	136	C10H16 18172-67-3
V2799	11.02	95	Decane	2,240.0	142	C10H22 124-18-5
V2799	11.08	T	1,2,4-Trimethylbenzene	933.0	120	C9H12 95-63-6
V2799	11.21	47	Hexane, 2,4-dimethyl-	264.0	114	C8H18 589-43-5
V2799	11.32	93	Decane, 4-methyl-	968.0	156	C11H24 2847-72-5
V2799	11.35	72	Decane, 2,2-dimethyl-	820.0	170	C12H26 17302-37-3
V2799	11.48	95	Benzene, 1-methyl-2-(1-meth	4,450.0	134	C10H14 527-84-4
V2799	11.54	99	dl-Limonene	2,980.0	136	C10H16 138-86-3
V2799	11.81	47	Hexane, 2,2,5,5-tetramethyl	558.0	142	C10H22 1071-81-4
V2799	11.88	47	Dodecane, 2,2,11,11-tetrame	446.0	226	C16H34 127204-12-0
V2799	12.06	64	Hydroxylamine, O-decyl-	585.0	173	C10H23NO 29812-79-1
V2799	12.28	94	Undecane	1,220.0	156	C11H24 1120-21-4
sum:				70,632		

Sample No: T09-2800

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-2-Noon

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2798 User Sample No: T4-2-NOON

SubGroup: TCD				Concentration		
FILE	RT	MQ	NAME	percent	MW	MolFormula CAS

Analysis Date: 16-SEP-2009 14:13						
G2800	0.00	T	Carbon monoxide	0.0	28	CO 630-08-0
G2800	1.44	T	Carbon dioxide	28.5	44	CO2 124-38-9
G2800	3.34	T	Oxygen	5.2	32	O2 7782-44-7
G2800	6.14	T	Nitrogen	22.4	28	N2 7727-37-9
G2800	9.90	T	Methane	40.1	16	CH4 74-82-8
				sum:	96	

SubGroup: c1c4				Concentration		
FILE	RT	MQ	NAME	ppmv	MW	MolFormula CAS

Analysis Date: 11-SEP-2009 00:00						
c2800	0.00	T	Ethane	0.0	30	C2H6 74-84-0
c2800	0.00	T	Acetylene	0.0	26	C2H2 74-86-2
c2800	0.00	T	Butane	0.0	58	C4H10 106-97-8
c2800	0.00	T	trans-2-Butene	0.0	56	C4H8 624-64-6
c2800	0.00	T	1-Butene	0.0	56	C4H8 106-98-9
c2800	0.00	T	Isobutylene	0.0	56	C4H8 115-11-7
c2800	0.00	T	cis-2-Butene	0.0	56	C4H8 590-18-1
c2800	0.00	T	Propyne	0.0	40	C3H4 74-99-7
c2800	0.00	T	1,3-Butadiene	0.0	54	C4H6 106-99-0
c2800	0.00	T	Ethylacetylene	0.0	54	C4H6 107-00-6
c2800	1.74	T	Methane	441,000.0	16	CH4 74-82-8
c2800	2.90	T	Ethylene	4.5	28	C2H4 74-85-1
c2800	4.23	T	Propane	7.0	44	C3H8 74-98-6
c2800	6.57	T	Propylene	1.3	42	C3H6 115-07-1
c2800	7.81	T	Isobutane	2.6	58	C4H10 75-28-5
				sum:	441,015	

SubGroup: rsc				Concentration		
FILE	RT	MQ	NAME	ppbv	MW	MolFormula CAS

Analysis Date: 15-SEP-2009 14:31						
R2800	0.00	T	Sulphur dioxide	0.0	64	SO2 7446-09-5
R2800	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S 513-53-1
R2800	0.00	T	Ethyl sulphide	0.0	90	C4H10S 352-93-2
R2800	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S 1679-09-0
R2800	0.00	T	Pentyl mercaptan	0.0	104	C5H12S 110-66-7
R2800	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S 872-55-9
R2800	0.00	T	Hexyl mercaptan	0.0	118	C6H14S 111-31-9
R2800	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3 3658-80-8
R2800	0.00	T	Heptyl mercaptan	0.0	132	C7H16S 1639-09-4
R2800	0.00	T	Butyl sulphide	0.0	146	C8H18S 544-40-1
R2800	0.00	T	Octyl mercaptan	0.0	146	C8H18S 111-88-6
R2800	.95	T	Hydrogen sulphide	947.0	34	H2S 7783-06-4
R2800	1.08	T	Carbonyl sulphide	2,680.0	60	COS 463-58-1
R2800	3.16	T	Methyl mercaptan	26.7	48	CH4S 74-93-1
R2800	5.78	T	Ethyl mercaptan	68.8	62	C2H6S 75-08-1
R2800	6.35	T	Dimethyl sulphide	73.1	62	C2H6S 75-18-3
R2800	6.71	T	Carbon disulphide	9.0	76	CS2 75-15-0
R2800	7.49	T	Isopropyl mercaptan	749.0	76	C3H8S 75-33-2

Sample No: T09-2800

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-2-Noon

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2798 User Sample No: T4-2-NOON

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 15-SEP-2009 14:31							
R2800	8.59	T	tert-Butyl mercaptan	131.0	90	C4H10S	75-66-1
R2800	8.99	T	Propyl mercaptan	42.7	76	C3H8S	107-03-9
R2800	9.18	T	Ethyl methyl sulphide	9.9	76	C3H8S	624-89-5
R2800	10.61	T	Thiophene	638.0	84	C4H4S	110-02-1
R2800	10.85	T	Isobutyl mercaptan	126.0	90	C4H10S	513-44-0
R2800	11.83	T	Butyl mercaptan	10.8	98	C4H10S	109-79-5
R2800	12.53	T	Dimethyl disulphide	4.5	94	C2H6S2	624-92-0
R2800	13.37	T	2-methyl Thiophene	68.6	98	C5H6S	554-14-3
R2800	13.57	T	3-methyl Thiophene	48.2	98	C5H6S	616-44-4
R2800	14.52	0	Unknown Sulphurs (MW=32)	99.1	0		
R2800	15.53	T	Allyl sulphide	6.8	114	C6H10S	592-88-1
R2800	15.64	T	2,5-dimethyl Thiophene	10.0	112	C6H8S	638-02-8
R2800	16.11	0	Unknown Sulphurs (MW=32)	22.4	0		
sum:				5,771			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 16-SEP-2009 11:50							
V2800	0.00	T	Cyclopentene	0.0	68	C5H8	142-29-0
V2800	0.00	T	4-Methyl-1-pentene	0.0	84	C6H12	691-37-2
V2800	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2800	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2800	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2800	0.00	M	MEK	234.0	72	C4H8O	78-93-3
V2800	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2800	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2800	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2800	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2800	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2800	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2800	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2800	0.00	T	1,4-Dichlorobenzene	500.8	146	C6H4Cl2	106-46-7
V2800	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2800	2.51	T	Isobutane	2,640.0	58	C4H10	75-28-5
V2800	2.64	T	Vinyl chloride	1,970.0	63	C2H3Cl	75-01-4
V2800	2.68	T	1-Butene	888.0	56	C4H8	106-98-9
V2800	2.70	T	Butane	938.0	58	C4H10	106-97-8
V2800	2.80	T	trans-2-Butene	148.0	56	C4H8	624-64-6
V2800	2.90	T	cis-2-Butene	203.0	56	C4H8	590-18-1
V2800	3.16	T	3-Methyl-1-butene	83.4	70	C5H10	563-45-1
V2800	3.29	T	Isopentane	1,310.0	72	C5H12	78-78-4
V2800	3.49	T	1-Pentene	93.7	70	C5H10	109-67-1
V2800	3.58	T	Pentane	663.0	72	C5H12	109-66-0
V2800	3.63	M	Acetone	306.0	58	C3H6O	67-64-1
V2800	3.72	T	trans-2-Pentene	45.9	70	C5H10	646-04-8
V2800	3.72	T	Isoprene	58.4	68	C5H8	78-79-5
V2800	3.82	T	cis-2-Pentene	28.3	70	C5H10	627-20-3
V2800	3.84	T	1,1-Dichloroethylene	37.6	96	C2H2Cl2	75-35-4
V2800	3.88	T	2-Methyl-2-butene	132.0	70	C5H10	563-46-2

Sample No: T09-2800

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-2-Noon

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2798 User Sample No: T4-2-NOON

FILE	RT	MQ	NAME	Concentration			
				ppbv	MW	MolFormula	CAS
SubGroup: voc							
Analysis Date: 16-SEP-2009 11:50							
V2800	4.01	T	2,2-Dimethylbutane	105.0	86	C6H14	75-83-2
V2800	4.08	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2800	4.44	T	2,3-Dimethylbutane	94.5	86	C6H14	79-29-8
V2800	4.47	T	Cyclopentane	102.0	70	C5H10	287-92-3
V2800	4.51	T	2-Methylpentane	502.0	86	C6H14	107-83-5
V2800	4.72	T	3-Methylpentane	560.0	86	C6H14	96-14-0
V2800	4.86	T	2-Methyl-1-pentene	39.0	84	C6H12	763-29-1
V2800	4.99	T	Hexane	1,550.0	86	C6H14	110-54-3
V2800	5.17	97	1,2-Dichloroethylene	746.0	96	C2H2Cl2	540-59-0
V2800	5.46	T	Methylcyclopentane	384.0	84	C6H12	96-37-7
V2800	6.02	T	Cyclohexane	630.0	84	C6H12	110-82-7
V2800	6.04	T	Benzene	393.0	78	C6H6	71-43-2
V2800	6.07	T	2-Methylhexane	482.0	100	C7H16	591-76-4
V2800	6.11	T	2,3-Dimethylpentane	255.0	100	C7H16	565-59-3
V2800	6.21	T	3-Methylhexane	781.0	100	C7H16	589-34-4
V2800	6.41	T	2,2,4-Trimethylpentane	586.0	114	C8H18	540-84-1
V2800	6.61	T	Heptane	1,030.0	100	C7H16	142-82-5
V2800	6.64	T	Trichloroethylene	82.2	131	C2HCl3	79-01-6
V2800	7.02	T	Methylcyclohexane	1,170.0	98	C7H14	108-87-2
V2800	7.43	T	2,3,4-Trimethylpentane	267.0	114	C8H18	565-75-3
V2800	7.66	T	2-Methylheptane	447.0	114	C8H18	592-27-8
V2800	7.74	T	Toluene	14,900.0	92	C7H8	108-88-3
V2800	7.78	T	3-Methylheptane	316.0	114	C8H18	589-81-1
V2800	7.91	94	Cyclohexane, 1,3-dimethyl-	698.0	112	C8H16	638-04-0
V2800	8.19	T	Octane	749.0	114	C8H18	111-65-9
V2800	8.43	T	Tetrachloroethylene	80.0	166	C2Cl4	127-18-4
V2800	8.73	70	Cyclohexane, 1,1,2-trimethy	523.0	126	C9H18	7094-26-0
V2800	8.78	97	Cyclohexane, ethyl-	380.0	112	C8H16	1678-91-7
V2800	8.83	95	Cyclohexane, 1,1,3-trimethy	321.0	126	C9H18	3073-66-3
V2800	8.96	I	Chlorobenzene-d5	.0	112	C6D5Cl	3114-55-4
V2800	9.00	T	Chlorobenzene	89.6	113	C6H5Cl	108-90-7
V2800	9.05	94	Cyclohexane, 1,2,4-trimethy	572.0	126	C9H18	7667-60-9
V2800	9.15	64	Heptane, 2,4-dimethyl-	677.0	128	C9H20	2213-23-2
V2800	9.21	T	Ethyl benzene	5,900.0	106	C8H10	100-41-4
V2800	9.26	91	Octane, 3-methyl-	576.0	128	C9H20	2216-33-3
V2800	9.32	T	m,p-Xylene	5,930.0	106	C8H10	108-38-3 / 106-42-3
V2800	9.53	78	Cyclohexane, 1,2,4-trimethy	559.0	126	C9H18	2234-75-5
V2800	9.58	97	cis-1-Ethyl-3-methyl-cycloh	472.0	126	C9H18	19489-10-2
V2800	9.64	T	Styrene	203.0	104	C8H8	100-42-5
V2800	9.66	T	Nonane	1,690.0	128	C9H20	111-84-2
V2800	9.68	T	o-Xylene	3,220.0	106	C8H10	95-47-6
V2800	9.85	49	3-Hexene, 2,2,5,5-tetrameth	455.0	140	C10H20	692-47-7
V2800	9.87	90	Cyclohexane, 1-ethyl-2-meth	418.0	126	C9H18	3728-54-9
V2800	9.91	50	Decane, 2,5,6-trimethyl-	318.0	184	C13H28	62108-23-0
V2800	10.01	93	Octane, 2,5-dimethyl-	328.0	142	C10H22	15869-89-3
V2800	10.09	58	Bicyclo[3.2.1]octane	557.0	110	C8H14	6221-55-2
V2800	10.12	T	Isopropylbenzene	366.0	120	C9H12	98-82-8
V2800	10.20	87	Cyclohexane, propyl-	1,050.0	126	C9H18	1678-92-8
V2800	10.28	T	alpha Pinene	3,280.0	136	C10H16	80-56-8
V2800	10.36	43	Cyclopentane, 1-butyl-2-eth	306.0	154	C11H22	72993-32-9

Sample No: T09-2800

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-2-Noon

SmpDate: 9-Sep-09 Time: By: AM Matrix: SILCO

Canister #: R2798 User Sample No: T4-2-NOCN

SubGroup: voc				Concentration		
FILE	RT	MQ	NAME	ppbv	MW	MolFormula CAS
Analysis Date: 16-SEP-2009 11:50						
V2800	10.44	59	Decane, 2,5,6-trimethyl-	707.0	184	C13H28 62108-23-0
V2800	10.53	T	n-Propylbenzene	334.0	120	C9H12 103-65-1
V2800	10.63	94	Benzene, 1-ethyl-3-methyl-	3,100.0	120	C9H12 620-14-4
V2800	10.72	T	1,3,5-Trimethylbenzene	433.0	120	C9H12 108-67-8
V2800	10.91	T	beta Pinene	956.0	136	C10H16 18172-67-3
V2800	11.02	97	Decane	3,330.0	142	C10H22 124-18-5
V2800	11.08	T	1,2,4-Trimethylbenzene	1,090.0	120	C9H12 95-63-6
V2800	11.21	47	Decane, 2,5,6-trimethyl-	408.0	184	C13H28 62108-23-0
V2800	11.32	70	Decane, 4-methyl-	1,370.0	156	C11H24 2847-72-5
V2800	11.35	72	Decane, 2,2,5-trimethyl-	1,170.0	184	C13H28 62237-96-1
V2800	11.47	95	Benzene, 1-methyl-2-(1-meth	6,940.0	134	C10H14 527-84-4
V2800	11.54	99	dl-Limonene	4,580.0	136	C10H16 138-86-3
V2800	11.81	43	Hexane, 2,2,5,5-tetramethyl	761.0	142	C10H22 1071-81-4
V2800	11.88	47	Undecane, 2,6-dimethyl-	641.0	184	C13H28 17301-23-4
V2800	12.06	50	Decane, 2,3,6-trimethyl-	836.0	184	C13H28 62238-12-4
V2800	12.28	95	Undecane	1,820.0	156	C11H24 1120-21-4
sum:				93,895		

Sample No: T09-2848

Comments: Genivar- St-Nicephore Landfill T4009 Outlet- T4-4-AM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2818 User Sample No: T4-4AM

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 11:23							
G2848	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2848	1.44	T	Carbon dioxide	27.9	44	CO2	124-38-9
G2848	3.35	T	Oxygen	5.5	32	O2	7782-44-7
G2848	6.15	T	Nitrogen	24.6	28	N2	7727-37-9
				sum:	58		

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 16-SEP-2009 00:00							
c2848	0.00	T	Ethylene	0.0	28	C2H4	74-85-1
c2848	0.00	T	Isobutane	0.0	58	C4H10	75-28-5
c2848	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2848	0.00	T	Butane	0.0	58	C4H10	106-97-8
c2848	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2848	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2848	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2848	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2848	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2848	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2848	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2848	1.72	T	Methane	390,000.0	16	CH4	74-82-8
c2848	2.18	T	Ethane	3.0	30	C2H6	74-84-0
c2848	4.19	T	Propane	7.5	44	C3H8	74-98-6
c2848	6.53	T	Propylene	2.0	42	C3H6	115-07-1
				sum:	390,013		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 11:31							
R2848	0.00	T	Carbonyl sulphide	0.0	60	COS	463-58-1
R2848	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2848	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2848	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2848	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2848	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2848	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2848	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2848	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2848	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2848	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2848	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2848	.94	T	Hydrogen sulphide	1,770.0	34	H2S	7783-06-4
R2848	3.16	T	Methyl mercaptan	30.8	48	CH4S	74-93-1
R2848	5.79	T	Ethyl mercaptan	71.2	62	C2H6S	75-08-1
R2848	6.35	T	Dimethyl sulphide	78.5	62	C2H6S	75-18-3
R2848	6.71	T	Carbon disulphide	8.1	76	CS2	75-15-0
R2848	7.49	T	Isopropyl mercaptan	691.0	76	C3H8S	75-33-2
R2848	8.60	T	tert-Butyl mercaptan	123.0	90	C4H10S	75-66-1

Sample No: T09-2848

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-4-AM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: R2818 User Sample No: T4-4AM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 11:31							
R2848	8.99	T	Propyl mercaptan	41.5	76	C3H8S	107-03-9
R2848	9.18	T	Ethyl methyl sulphide	6.8	76	C3H8S	624-89-5
R2848	10.62	T	Thiophene	610.0	84	C4H4S	110-02-1
R2848	10.85	T	Isobutyl mercaptan	132.0	90	C4H10S	513-44-0
R2848	11.85	T	Butyl mercaptan	10.9	98	C4H10S	109-79-5
R2848	12.53	T	Dimethyl disulphide	5.6	94	C2H6S2	624-92-0
R2848	13.36	T	2-methyl Thiophene	67.8	98	C5H6S	554-14-3
R2848	13.55	T	3-methyl Thiophene	44.3	98	C5H6S	616-44-4
R2848	15.53	T	Allyl sulphide	7.6	114	C6H10S	592-88-1
R2848	15.63	T	2,5-dimethyl Thiophene	9.9	112	C6H8S	638-02-8
sum:				3,709			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 15:31							
V2848	0.00	T	4-Methyl-1-pentene	0.0	84	C6H12	691-37-2
V2848	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2848	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2848	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2848	0.00	M	MEK	251.0	72	C4H8O	78-93-3
V2848	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2848	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2848	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2848	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2848	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2848	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2848	0.00	T	1,4-Dichlorobenzene	764.7	146	C6H4Cl2	106-46-7
V2848	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2848	2.51	T	Isobutane	2,600.0	58	C4H10	75-28-5
V2848	2.64	T	Vinyl chloride	2,310.0	63	C2H3Cl	75-01-4
V2848	2.67	T	1-Butene	979.0	56	C4H8	106-98-9
V2848	2.70	T	Butane	995.0	58	C4H10	106-97-8
V2848	2.80	T	trans-2-Butene	133.0	56	C4H8	624-64-6
V2848	2.90	T	cis-2-Butene	207.0	56	C4H8	590-18-1
V2848	3.07	T	Chloroethane	182.0	65	C2H5Cl	75-00-3
V2848	3.16	T	3-Methyl-1-butene	82.9	70	C5H10	563-45-1
V2848	3.29	T	Isopentane	1,350.0	72	C5H12	78-78-4
V2848	3.49	T	1-Pentene	76.9	70	C5H10	109-67-1
V2848	3.58	T	Pentane	691.0	72	C5H12	109-66-0
V2848	3.63	M	Acetone	325.0	58	C3H6O	67-64-1
V2848	3.72	T	Isoprene	51.5	68	C5H8	78-79-5
V2848	3.72	T	trans-2-Pentene	42.3	70	C5H10	646-04-8
V2848	3.82	T	cis-2-Pentene	27.6	70	C5H10	627-20-3
V2848	3.84	T	1,1-Dichloroethylene	48.3	96	C2H2Cl2	75-35-4
V2848	3.88	T	2-Methyl-2-butene	142.0	70	C5H10	563-46-2
V2848	4.02	T	2,2-Dimethylbutane	117.0	86	C6H14	75-83-2
V2848	4.08	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2848	4.35	T	Cyclopentene	9.3	68	C5H8	142-29-0
V2848	4.45	T	2,3-Dimethylbutane	123.0	86	C6H14	79-29-8

Sample No: T09-2848

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-4-AM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2818 User Sample No: T4-4AM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS

SubGroup: voc						
Analysis Date: 17-SEP-2009 15:31						
V2848	4.47	T	Cyclopentane	81.5	70	C5H10 287-92-3
V2848	4.51	T	2-Methylpentane	526.0	86	C6H14 107-83-5
V2848	4.73	T	3-Methylpentane	605.0	86	C6H14 96-14-0
V2848	4.86	T	2-Methyl-1-pentene	41.9	84	C6H12 763-29-1
V2848	4.99	T	Hexane	1,600.0	86	C6H14 110-54-3
V2848	5.17	97	Ethene, 1,2-dichloro-, (Z)-	762.0	96	C2H2Cl2 156-59-2
V2848	5.46	T	Methylcyclopentane	401.0	84	C6H12 96-37-7
V2848	6.02	T	Cyclohexane	647.0	84	C6H12 110-82-7
V2848	6.04	T	Benzene	395.0	78	C6H6 71-43-2
V2848	6.08	T	2-Methylhexane	696.0	100	C7H16 591-76-4
V2848	6.11	T	2,3-Dimethylpentane	247.0	100	C7H16 565-59-3
V2848	6.22	T	3-Methylhexane	814.0	100	C7H16 589-34-4
V2848	6.42	T	2,2,4-Trimethylpentane	610.0	114	C8H18 540-84-1
V2848	6.61	T	Heptane	1,100.0	100	C7H16 142-82-5
V2848	6.65	T	Trichloroethylene	105.0	131	C2HCl3 79-01-6
V2848	7.03	T	Methylcyclohexane	1,260.0	98	C7H14 108-87-2
V2848	7.43	T	2,3,4-Trimethylpentane	282.0	114	C8H18 565-75-3
V2848	7.66	T	2-Methylheptane	487.0	114	C8H18 592-27-8
V2848	7.75	T	Toluene	12,700.0	92	C7H8 108-88-3
V2848	7.79	T	3-Methylheptane	342.0	114	C8H18 589-81-1
V2848	7.91	93	Cyclohexane, 1,3-dimethyl-, cis-	699.0	112	C8H16 638-04-0
V2848	8.19	T	Octane	829.0	114	C8H18 111-65-9
V2848	8.43	T	Tetrachloroethylene	93.3	166	C2Cl4 127-18-4
V2848	8.73	64	Cyclohexane, 1,2,3-trimethyl-, (1.alpha.)	499.0	126	C9H18 1678-81-5
V2848	8.79	95	Cyclohexane, ethyl-	370.0	112	C8H16 1678-91-7
V2848	8.84	97	Cyclohexane, 1,1,3-trimethyl-	313.0	126	C9H18 3073-66-3
V2848	8.97	I	Chlorobenzene-d5	.0	112	C6D5Cl 3114-55-4
V2848	9.00	T	Chlorobenzene	112.0	113	C6H5Cl 108-90-7
V2848	9.06	96	Cyclohexane, 1,2,4-trimethyl-, (1.alpha.)	564.0	126	C9H18 7667-60-9
V2848	9.16	64	Octane, 2-methyl-	678.0	128	C9H20 3221-61-2
V2848	9.21	T	Ethyl benzene	6,450.0	106	C8H10 100-41-4
V2848	9.27	91	Octane, 3-methyl-	553.0	128	C9H20 2216-33-3
V2848	9.32	T	m,p-Xylene	6,150.0	106	C8H10 108-38-3 / 106-42-3
V2848	9.53	60	1-Hexene, 2-methyl-	454.0	98	C7H14 6094-02-6
V2848	9.59	95	1-Ethyl-3-methylcyclohexane (c,t)	363.0	126	C9H18 3728-55-0
V2848	9.64	T	Styrene	247.0	104	C8H8 100-42-5
V2848	9.66	T	Nonane	1,990.0	128	C9H20 111-84-2
V2848	9.68	97	Benzene, 1,4-dimethyl-	3,130.0	106	C8H10 106-42-3
V2848	9.69	T	o-Xylene	3,740.0	106	C8H10 95-47-6
V2848	9.85	58	1R,2T,4C,5C-1,2,4,5-TETRAMETHYLCYCLOHEXA	486.0	140	C10H20 19899-40-2
V2848	10.02	87	Octane, 2,5-dimethyl-	354.0	142	C10H22 15869-89-3
V2848	10.09	64	Bicyclo[3.3.1]nonane	622.0	124	C9H16 280-65-9
V2848	10.12	T	Isopropylbenzene	429.0	120	C9H12 98-82-8
V2848	10.20	87	Cyclohexane, propyl-	1,120.0	126	C9H18 1678-92-8
V2848	10.28	T	alpha Pinene	3,310.0	136	C10H16 80-56-8
V2848	10.45	49	Hexane, 3-ethyl-2,5-dimethyl-	733.0	142	C10H22 52897-04-8
V2848	10.53	T	n-Propylbenzene	434.0	120	C9H12 103-65-1
V2848	10.63	94	Benzene, 1-ethyl-2-methyl-	3,300.0	120	C9H12 611-14-3
V2848	10.72	T	1,3,5-Trimethylbenzene	552.0	120	C9H12 108-67-8
V2848	10.84	46	1-Methyl-4-(1-methylethyl)-cyclohexane	319.0	140	C10H20 99-82-1

Sample No: T09-2848

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-4-AM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2818 User Sample No: T4-4AM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS
SubGroup: voc						
Analysis Date: 17-SEP-2009 15:31						
V2848	10.91	T	beta Pinene	911.0	136	C10H16 18172-67-3
V2848	11.02	97	Decane	3,650.0	142	C10H22 124-18-5
V2848	11.09	T	1,2,4-Trimethylbenzene	1,380.0	120	C9H12 95-63-6
V2848	11.22	53	Hexatriacontane	347.0	507	C36H74 630-06-8
V2848	11.32	81	Decane, 4-methyl-	1,220.0	156	C11H24 2847-72-5
V2848	11.36	72	Decane, 2,2-dimethyl-	591.0	170	C12H26 17302-37-3
V2848	11.48	95	Benzene, methyl(1-methylethyl)-	7,100.0	134	C10H14 25155-15-1
V2848	11.55	98	dl-Limonene	5,120.0	136	C10H16 138-86-3
V2848	11.82	47	Hexane, 2,2,5,5-tetramethyl-	804.0	142	C10H22 1071-81-4
V2848	11.89	47	Dodecane, 2,2,11,11-tetramethyl-	536.0	226	C16H34 127204-12-0
V2848	12.06	59	Tetracontane, 3,5,24-trimethyl-	653.0	605	C43H88 55162-61-3
V2848	12.29	94	Undecane	2,160.0	156	C11H24 1120-21-4
V2848	12.69	46	2(1H)-Naphthalenone, octahydro-, trans-	324.0	152	C10H16O 16021-08-2
sum:				98,900		

Sample No: T09-2849 Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-5-NOON
 SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: H2797 User Sample No: T4-5-NOON

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 11:40							
G2849	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2849	1.45	T	Carbon dioxide	28.3	44	CO2	124-38-9
G2849	3.35	T	Oxygen	5.5	32	O2	7782-44-7
G2849	6.16	T	Nitrogen	25.0	28	N2	7727-37-9
				sum:	59		

SubGroup: clc4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 16-SEP-2009 00:00							
c2849	0.00	T	Ethylene	0.0	28	C2H4	74-85-1
c2849	0.00	T	Propylene	0.0	42	C3H6	115-07-1
c2849	0.00	T	Isobutane	0.0	58	C4H10	75-28-5
c2849	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2849	0.00	T	Butane	0.0	58	C4H10	106-97-8
c2849	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2849	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2849	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2849	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2849	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2849	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2849	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2849	1.73	T	Methane	398,000.0	16	CH4	74-82-8
c2849	2.20	T	Ethane	4.3	30	C2H6	74-84-0
c2849	4.22	T	Propane	8.2	44	C3H8	74-98-6
				sum:	398,013		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 12:01							
R2849	0.00	T	Carbonyl sulphide	0.0	60	COS	463-58-1
R2849	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2849	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2849	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2849	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2849	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2849	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2849	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2849	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2849	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2849	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2849	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2849	1.05	T	Hydrogen sulphide	2,180.0	34	H2S	7783-06-4
R2849	3.23	T	Methyl mercaptan	25.3	48	CH4S	74-93-1
R2849	5.82	T	Ethyl mercaptan	71.7	62	C2H6S	75-08-1
R2849	6.38	T	Dimethyl sulphide	57.9	62	C2H6S	75-18-3
R2849	6.74	T	Carbon disulphide	4.9	76	CS2	75-15-0
R2849	7.50	T	Isopropyl mercaptan	692.0	76	C3H8S	75-33-2
R2849	8.62	T	tert-Butyl mercaptan	124.0	90	C4H10S	75-66-1

Sample No: T09-2849

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-5-NOON

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2797 User Sample No: T4-5-NOON

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 12:01							
R2849	9.00	T	Propyl mercaptan	42.7	76	C3H8S	107-03-9
R2849	9.19	T	Ethyl methyl sulphide	6.7	76	C3H8S	624-89-5
R2849	10.63	T	Thiophene	638.0	84	C4H4S	110-02-1
R2849	10.86	T	Isobutyl mercaptan	121.0	90	C4H10S	513-44-0
R2849	11.85	T	Butyl mercaptan	10.2	98	C4H10S	109-79-5
R2849	12.55	T	Dimethyl disulphide	4.6	94	C2H6S2	624-92-0
R2849	13.40	T	2-methyl Thiophene	66.6	98	C5H6S	554-14-3
R2849	13.58	T	3-methyl Thiophene	45.3	98	C5H6S	616-44-4
R2849	15.55	T	Allyl sulphide	8.6	114	C6H10S	592-88-1
R2849	15.67	T	2,5-dimethyl Thiophene	10.2	112	C6H8S	638-02-8
sum:				4,110			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 22-SEP-2009 13:05							
V2849	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2849	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2849	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2849	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2849	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2849	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2849	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2849	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2849	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2849	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2849	0.00	T	1,4-Dichlorobenzene	895.1	146	C6H4Cl2	106-46-7
V2849	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2849	2.48	T	Isobutane	3,800.0	58	C4H10	75-28-5
V2849	2.60	T	Vinyl chloride	3,040.0	63	C2H3Cl	75-01-4
V2849	2.64	T	1-Butene	1,300.0	56	C4H8	106-98-9
V2849	2.67	T	Butane	1,400.0	58	C4H10	106-97-8
V2849	2.76	T	trans-2-Butene	163.0	56	C4H8	624-64-6
V2849	2.87	T	cis-2-Butene	228.0	56	C4H8	590-18-1
V2849	3.13	T	3-Methyl-1-butene	120.0	70	C5H10	563-45-1
V2849	3.26	T	Isopentane	1,870.0	72	C5H12	78-78-4
V2849	3.46	T	1-Pentene	101.0	70	C5H10	109-67-1
V2849	3.55	T	Pentane	891.0	72	C5H12	109-66-0
V2849	3.66	M	MEK	230.0	72	C4H8O	78-93-3
V2849	3.66	M	Acetone	439.0	58	C3H6O	67-64-1
V2849	3.69	T	Isoprene	74.4	68	C5H8	78-79-5
V2849	3.69	T	trans-2-Pentene	63.5	70	C5H10	646-04-8
V2849	3.79	T	cis-2-Pentene	39.7	70	C5H10	627-20-3
V2849	3.82	T	1,1-Dichloroethylene	57.4	96	C2H2Cl2	75-35-4
V2849	3.85	T	2-Methyl-2-butene	196.0	70	C5H10	563-46-2
V2849	3.99	T	2,2-Dimethylbutane	160.0	86	C6H14	75-83-2
V2849	4.05	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2849	4.32	T	Cyclopentene	15.2	68	C5H8	142-29-0
V2849	4.34	T	4-Methyl-1-pentene	22.0	84	C6H12	691-37-2
V2849	4.42	T	2,3-Dimethylbutane	159.0	86	C6H14	79-29-8

Sample No: T09-2849

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-5-NOON

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2797 User Sample No: T4-5-NOON

FILE	SubGroup: voc			Concentration		MW	MolFormula	CAS
	RT	MQ	NAME	ppbv				
Analysis Date: 22-SEP-2009 13:05								
V2849	4.44	T	Cyclopentane	122.0	70	C5H10	287-92-3	
V2849	4.49	T	2-Methylpentane	731.0	86	C6H14	107-83-5	
V2849	4.70	T	3-Methylpentane	813.0	86	C6H14	96-14-0	
V2849	4.84	T	2-Methyl-1-pentene	63.0	84	C6H12	763-29-1	
V2849	4.97	T	Hexane	2,120.0	86	C6H14	110-54-3	
V2849	5.15	97	1,2-Dichloroethylene	936.0	96	C2H2Cl2	540-59-0	
V2849	5.45	T	Methylcyclopentane	546.0	84	C6H12	96-37-7	
V2849	6.00	T	Cyclohexane	897.0	84	C6H12	110-82-7	
V2849	6.02	T	Benzene	538.0	78	C6H6	71-43-2	
V2849	6.06	T	2-Methylhexane	848.0	100	C7H16	591-76-4	
V2849	6.09	T	2,3-Dimethylpentane	364.0	100	C7H16	565-59-3	
V2849	6.20	T	3-Methylhexane	1,050.0	100	C7H16	589-34-4	
V2849	6.40	T	2,2,4-Trimethylpentane	821.0	114	C8H18	540-84-1	
V2849	6.60	T	Heptane	1,500.0	100	C7H16	142-82-5	
V2849	6.63	T	Trichloroethylene	132.0	131	C2HCl3	75-01-6	
V2849	7.01	T	Methylcyclohexane	1,700.0	98	C7H14	108-87-2	
V2849	7.42	T	2,3,4-Trimethylpentane	375.0	114	C8H18	565-75-3	
V2849	7.65	T	2-Methylheptane	647.0	114	C8H18	592-27-8	
V2849	7.73	T	Toluene	18,300.0	92	C7H8	108-88-3	
V2849	7.77	T	3-Methylheptane	466.0	114	C8H18	589-81-1	
V2849	7.90	94	Cyclohexane, 1,3-dimethyl-,	905.0	112	C8H16	638-04-0	
V2849	8.18	T	Octane	1,170.0	114	C8H18	111-65-9	
V2849	8.41	T	Tetrachloroethylene	119.0	166	C2Cl4	127-18-4	
V2849	8.72	70	Cyclohexane, 1,1,2-trimethyl	664.0	126	C9H18	7094-26-0	
V2849	8.77	97	Cyclohexane, ethyl-	478.0	112	C8H16	1678-91-7	
V2849	8.95	I	Chlorobenzene-d5	.0	112	C6D5Cl	3114-55-4	
V2849	8.99	T	Chlorobenzene	149.0	113	C6H5Cl	108-90-7	
V2849	9.04	96	Cyclohexane, 1,2,4-trimethyl	739.0	126	C9H18	7667-60-9	
V2849	9.14	72	Octane, 2-methyl-	894.0	128	C9H20	3221-61-2	
V2849	9.19	T	Ethyl benzene	8,240.0	106	C8H10	100-41-4	
V2849	9.25	91	Octane, 3-methyl-	748.0	128	C9H20	2216-33-3	
V2849	9.31	T	m,p-Xylene	7,870.0	106	C8H10	108-38-3 / 106-42-3	
V2849	9.52	64	Cyclopentane, butyl-	748.0	126	C9H18	2040-95-1	
V2849	9.57	97	1-Ethyl-4-methylcyclohexane	645.0	126	C9H18	3728-56-1	
V2849	9.63	T	Styrene	312.0	104	C8H8	100-42-5	
V2849	9.64	T	Nonane	2,530.0	128	C9H20	111-84-2	
V2849	9.67	T	o-Xylene	4,770.0	106	C8H10	95-47-6	
V2849	9.83	58	1.alpha.,2.beta.,3.alpha.,4	641.0	126	C9H18	2532-67-4	
V2849	9.86	93	1-Ethyl-4-methylcyclohexane	563.0	126	C9H18	3728-56-1	
V2849	9.90	52	Hexane, 2,4-dimethyl-	496.0	114	C8H18	589-43-5	
V2849	10.00	87	Octane, 2,5-dimethyl-	437.0	142	C10H22	15869-89-3	
V2849	10.08	49	1-Heptadecyne	777.0	236	C17H32	26186-00-5	
V2849	10.11	T	Isopropylbenzene	553.0	120	C9H12	98-82-8	
V2849	10.18	87	Cyclohexane, propyl-	1,410.0	126	C9H18	1678-92-8	
V2849	10.27	T	alpha Pinene	4,490.0	136	C10H16	80-56-8	
V2849	10.35	38	3-Methyl-2-hexene (c,t)	426.0	98	C7H14	0-00-0	
V2849	10.43	86	Undecane, 5,6-dimethyl-	940.0	184	C13H28	17615-91-7	
V2849	10.52	T	n-Propylbenzene	545.0	120	C9H12	103-65-1	
V2849	10.62	94	Benzene, 1-ethyl-3-methyl-	4,190.0	120	C9H12	620-14-4	
V2849	10.71	T	1,3,5-Trimethylbenzene	696.0	120	C9H12	108-67-8	

Sample No: T09-2849

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-5-NOON

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: H2797 User Sample No: T4-5-NOON

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 13:05							
V2849	10.89	T	beta Pinene	1,440.0	136	C10H16	18172-67-3
V2849	11.01	97	Decane	4,440.0	142	C10H22	124-18-5
V2849	11.07	T	1,2,4-Trimethylbenzene	1,710.0	120	C9H12	95-63-6
V2849	11.21	52	Nonane	547.0	128	C9H20	111-84-2
V2849	11.31	94	Decane, 4-methyl-	1,830.0	156	C11H24	2847-72-5
V2849	11.34	64	Undecane, 2,2-dimethyl-	1,560.0	184	C13H28	17312-64-0
V2849	11.47	95	Benzene, 1-methyl-4-(1-meth	9,090.0	134	C10H14	99-87-6
V2849	11.53	99	dl-Limonene	6,060.0	136	C10H16	138-86-3
V2849	11.80	53	Heptane, 5-ethyl-2,2,3-trim	1,050.0	170	C12H26	62199-06-8
V2849	11.87	47	Dodecane, 2,2,11,11-tetrame	879.0	226	C16H34	127204-12-0
V2849	12.05	64	Hydroxylamine, O-decyl-	1,110.0	173	C10H23NO	29812-79-1
V2849	12.27	95	Undecane	2,500.0	156	C11H24	1120-21-4
V2849	12.48	52	Nonane, 3-methyl-	478.0	142	C10H22	5911-04-6
V2849	12.67	38	Disulfide, ethyl hexyl	443.0	164	C7H16S2	67421-86-7
				sum:	128,515		

Sample No: T09-2850 Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-D-AM
 SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: 2664 User Sample No: T6-D-AM

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 13:11							
G2850	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2850	1.42	T	Carbon dioxide	34.9	44	CO2	124-38-9
G2850	3.36	T	Oxygen	1.6	32	O2	7782-44-7
G2850	6.18	T	Nitrogen	9.3	28	N2	7727-37-9
sum:				46			

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 16-SEP-2009 00:00							
c2850	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2850	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2850	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2850	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2850	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2850	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2850	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2850	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2850	1.73	T	Methane	546,000.0	16	CH4	74-82-8
c2850	2.20	T	Ethane	3.0	30	C2H6	74-84-0
c2850	2.88	T	Ethylene	5.0	28	C2H4	74-85-1
c2850	4.21	T	Propane	13.8	44	C3H8	74-98-6
c2850	6.56	T	Propylene	2.0	42	C3H6	115-07-1
c2850	7.80	T	Isobutane	9.6	58	C4H10	75-28-5
c2850	8.22	T	Butane	1.7	58	C4H10	106-97-8
sum:				546,035			

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 12:23							
R2850	0.00	T	Carbonyl sulphide	0.0	60	COS	463-58-1
R2850	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2850	0.00	T	Methyl mercaptan	0.0	48	CH4S	74-93-1
R2850	0.00	T	Ethyl mercaptan	0.0	62	C2H6S	75-08-1
R2850	0.00	T	Propyl mercaptan	0.0	76	C3H8S	107-03-9
R2850	0.00	T	Ethyl methyl sulphide	0.0	76	C3H8S	624-89-5
R2850	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2850	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2850	0.00	T	Butyl mercaptan	0.0	98	C4H10S	109-79-5
R2850	0.00	T	Dimethyl disulphide	0.0	94	C2H6S2	624-92-0
R2850	0.00	T	2-methyl Thiophene	0.0	98	C5H6S	554-14-3
R2850	0.00	T	3-methyl Thiophene	0.0	98	C5H6S	616-44-4
R2850	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2850	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2850	0.00	T	Allyl sulphide	0.0	114	C6H10S	592-88-1
R2850	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2850	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2850	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2850	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1

Sample No: T09-2850

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-D-AM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2664 User Sample No: T6-D-AM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 12:23							
R2850	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2850	1.07	T	Hydrogen sulphide	1,890.0	34	H2S	7783-06-4
R2850	6.37	T	Dimethyl sulphide	10.5	62	C2H6S	75-18-3
R2850	6.73	T	Carbon disulphide	118.0	76	CS2	75-15-0
R2850	7.50	T	Isopropyl mercaptan	65.3	76	C3H8S	75-33-2
R2850	8.62	T	tert-Butyl mercaptan	54.5	90	C4H10S	75-66-1
R2850	10.64	T	Thiophene	66.4	84	C4H4S	110-02-1
R2850	10.87	T	Isobutyl mercaptan	31.1	90	C4H10S	513-44-0
R2850	11.96	T	tert-Pentyl mercaptan	7.1	104	C5H12S	1679-09-0
R2850	15.67	T	2,5-dimethyl Thiophene	31.6	112	C6H8S	638-02-8
R2850	16.13	O	Unknown Sulphur (MW=32)	35.6	0		
sum:				2,310			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 22-SEP-2009 13:42							
V2850	0.00	T	4-Methyl-1-pentene	0.0	84	C6H12	691-37-2
V2850	0.00	T	2-Methyl-1-pentene	0.0	84	C6H12	763-29-1
V2850	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2850	0.00	T	Styrene	0.0	104	C8H8	100-42-5
V2850	0.00	T	beta Pinene	0.0	136	C10H16	18172-67-3
V2850	0.00	M	MEK	0.0	72	C4H8O	78-93-3
V2850	0.00	M	Acetone	0.0	58	C3H6O	67-64-1
V2850	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2850	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2850	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2850	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2850	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2850	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2850	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2850	0.00	T	1,4-Dichlorobenzene	905.9	146	C6H4Cl2	106-46-7
V2850	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2850	2.50	T	Isobutane	12,000.0	58	C4H10	75-28-5
V2850	2.62	T	Vinyl chloride	3,500.0	63	C2H3Cl	75-01-4
V2850	2.66	T	1-Butene	953.0	56	C4H8	106-98-9
V2850	2.68	T	Butane	3,850.0	58	C4H10	106-97-8
V2850	2.78	T	trans-2-Butene	971.0	56	C4H8	624-64-6
V2850	2.88	T	cis-2-Butene	775.0	56	C4H8	590-18-1
V2850	3.14	T	3-Methyl-1-butene	125.0	70	C5H10	563-45-1
V2850	3.28	T	Isopentane	13,500.0	72	C5H12	78-78-4
V2850	3.48	T	1-Pentene	75.1	70	C5H10	109-67-1
V2850	3.57	T	Pentane	4,530.0	72	C5H12	109-66-0
V2850	3.71	T	Isoprene	15.6	68	C5H8	78-79-5
V2850	3.71	T	trans-2-Pentene	183.0	70	C5H10	646-04-8
V2850	3.81	T	cis-2-Pentene	55.5	70	C5H10	627-20-3
V2850	3.83	T	1,1-Dichloroethylene	77.5	96	C2H2Cl2	75-35-4
V2850	3.86	T	2-Methyl-2-butene	579.0	70	C5H10	563-46-2
V2850	4.00	T	2,2-Dimethylbutane	518.0	86	C6H14	75-83-2
V2850	4.06	T	Methylene chloride	.0	84	CH2Cl2	75-09-2

Sample No: T09-2850

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-D-AM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2664 User Sample No: T6-D-AM

FILE	RT	MQ	NAME	SubGroup: voc	Concentration	MW	MolFormula	CAS
					ppbv			

Analysis Date: 22-SEP-2009 13:42								
V2850	4.34	T	Cyclopentene		21.4	68	C5H8	142-29-0
V2850	4.43	T	2,3-Dimethylbutane		522.0	86	C6H14	79-29-8
V2850	4.46	T	Cyclopentane		1,810.0	70	C5H10	287-92-3
V2850	4.50	T	2-Methylpentane		2,580.0	86	C6H14	107-83-5
V2850	4.72	T	3-Methylpentane		3,090.0	86	C6H14	96-14-0
V2850	4.98	T	Hexane		9,060.0	86	C6H14	110-54-3
V2850	5.11	T	cis-2-Hexene		81.3	84	C6H12	7688-21-3
V2850	5.25	T	trans-2-Hexene		30.8	84	C6H12	4050-45-7
V2850	5.45	T	Methylcyclopentane		2,060.0	84	C6H12	96-37-7
V2850	6.01	T	Cyclohexane		2,340.0	84	C6H12	110-82-7
V2850	6.02	T	Benzene		1,150.0	78	C6H6	71-43-2
V2850	6.06	T	2-Methylhexane		1,790.0	100	C7H16	591-76-4
V2850	6.10	T	2,3-Dimethylpentane		743.0	100	C7H16	565-59-3
V2850	6.20	T	3-Methylhexane		2,500.0	100	C7H16	589-34-4
V2850	6.40	T	2,2,4-Trimethylpentane		889.0	114	C8H18	540-84-1
V2850	6.60	T	Heptane		3,030.0	100	C7H16	142-82-5
V2850	6.63	T	Trichloroethylene		312.0	131	C2HCl3	79-01-6
V2850	7.01	T	Methylcyclohexane		2,250.0	98	C7H14	108-87-2
V2850	7.42	T	2,3,4-Trimethylpentane		472.0	114	C8H18	565-75-3
V2850	7.65	T	2-Methylheptane		714.0	114	C8H18	592-27-8
V2850	7.74	T	Toluene		31,600.0	92	C7H8	108-88-3
V2850	7.77	T	3-Methylheptane		531.0	114	C8H18	589-81-1
V2850	7.90	95	Cyclohexane, 1,3-dimethyl-,		1,070.0	112	C8H16	638-04-0
V2850	8.17	T	Octane		1,450.0	114	C8H18	111-65-9
V2850	8.41	T	Tetrachloroethylene		379.0	166	C2Cl4	127-18-4
V2850	8.72	70	Cyclohexane, 1,2,4-trimethyl-		823.0	126	C9H18	2234-75-5
V2850	8.77	97	Cyclohexane, ethyl-		643.0	112	C8H16	1678-91-7
V2850	8.95	I	Chlorobenzene-d5		.0	112	C6D5Cl	3114-55-4
V2850	8.99	T	Chlorobenzene		91.2	113	C6H5Cl	108-90-7
V2850	9.04	96	Cyclohexane, 1,2,4-trimethyl-		1,010.0	126	C9H18	7667-60-9
V2850	9.14	64	Octane, 2-methyl-		1,130.0	128	C9H20	3221-61-2
V2850	9.20	T	Ethyl benzene		12,300.0	106	C8H10	100-41-4
V2850	9.25	91	Octane, 3-methyl-		877.0	128	C9H20	2216-33-3
V2850	9.31	T	m,p-Xylene		10,600.0	106	C8H10	108-38-3 / 106-42-3
V2850	9.41	91	Cyclohexane, 1,2,3-trimethyl-		478.0	126	C9H18	1678-81-5
V2850	9.47	95	Cyclohexane, 1,2,4-trimethyl-		484.0	126	C9H18	2234-75-5
V2850	9.52	58	1-methyl-2-ethylcyclopentane		722.0	112	C8H16	0-00-0
V2850	9.57	95	1-Ethyl-4-methylcyclohexane		709.0	126	C9H18	3728-56-1
V2850	9.64	T	Nonane		2,770.0	128	C9H20	111-84-2
V2850	9.67	T	o-Xylene		5,500.0	106	C8H10	95-47-6
V2850	9.83	58	1.alpha.,2.beta.,3.alpha.,4		552.0	126	C9H18	2532-67-4
V2850	9.86	93	Cyclohexane, 1-ethyl-2-methyl-		771.0	126	C9H18	4923-78-8
V2850	9.90	49	Hexane, 2,4-dimethyl-		696.0	114	C8H18	589-43-5
V2850	10.00	87	Octane, 2,5-dimethyl-		507.0	142	C10H22	15869-89-3
V2850	10.08	58	1H-Indene, octahydro-, trans-		776.0	124	C9H16	3296-50-2
V2850	10.11	T	Isopropylbenzene		532.0	120	C9H12	98-82-8
V2850	10.18	87	Cyclohexane, propyl-		1,730.0	126	C9H18	1678-92-8
V2850	10.27	T	alpha Pinene		44.7	136	C10H16	80-56-8
V2850	10.43	86	Undecane, 5,6-dimethyl-		905.0	184	C13H28	17615-91-7
V2850	10.52	T	n-Propylbenzene		515.0	120	C9H12	103-65-1

Sample No: T09-2850

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-D-AM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2664 User Sample No: T6-D-AM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS
SubGroup: voc						
Analysis Date: 22-SEP-2009 13:42						
V2850	10.62	94	Benzene, 1-ethyl-3-methyl-	4,980.0	120	C9H12 620-14-4
V2850	10.71	T	1,3,5-Trimethylbenzene	728.0	120	C9H12 108-67-8
V2850	10.89	56	Benzene, 1-ethyl-2-methyl-	2,660.0	120	C9H12 611-14-3
V2850	11.01	95	Decane	4,730.0	142	C10H22 124-18-5
V2850	11.07	T	1,2,4-Trimethylbenzene	1,800.0	120	C9H12 95-63-6
V2850	11.20	30	Heptane, 2,4-dimethyl-	480.0	128	C9H20 2213-23-2
V2850	11.31	87	Decane, 4-methyl-	1,190.0	156	C11H24 2847-72-5
V2850	11.34	78	Dodecane, 2,2,11,11-tetrane	1,610.0	226	C16H34 127204-12-0
V2850	11.46	95	Benzene, 1-methyl-4-(1-meth	13,100.0	134	C10H14 99-07-6
V2850	11.55	43	Hexane, 3,3-dimethyl-	2,160.0	114	C8H18 563-16-6
V2850	11.75	58	Decane, 5-methyl-	476.0	156	C11H24 13151-35-4
V2850	11.80	59	Heptane, 5-ethyl-2,2,3-trim	1,150.0	170	C12H26 62199-06-8
V2850	11.87	50	Dodecane, 2,2,11,11-tetrane	995.0	226	C16H34 127204-12-0
V2850	12.05	64	Nonane, 3,7-dimethyl-	1,130.0	156	C11H24 17302-32-8
V2850	12.27	80	Dodecane	2,150.0	170	C12H26 112-40-3
sum:				197,594		

Sample No: T09-2851

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-E-NOON

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2648 User Sample No: T6-E-NOON

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 13:24							
G2851	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2851	1.44	T	Carbon dioxide	36.5	44	CO2	124-38-9
G2851	3.36	T	Oxygen	1.2	32	O2	7782-44-7
G2851	6.19	T	Nitrogen	9.4	28	N2	7727-37-9
				sum:	47		

SubGroup: clc4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 16-SEP-2009 00:00							
c2851	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2851	0.00	T	Butane	0.0	58	C4H10	106-97-8
c2851	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2851	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2851	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2851	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2851	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2851	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2851	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2851	1.73	T	Methane	535,000.0	16	CH4	74-82-8
c2851	2.20	T	Ethane	2.6	30	C2H6	74-84-0
c2851	2.88	T	Ethylene	6.0	28	C2H4	74-85-1
c2851	4.21	T	Propane	15.4	44	C3H8	74-98-6
c2851	6.56	T	Propylene	2.7	42	C3H6	115-07-1
c2851	7.79	T	Isobutane	8.0	58	C4H10	75-28-5
				sum:	535,035		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 13:02							
R2851	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2851	0.00	T	Methyl mercaptan	0.0	48	CH4S	74-93-1
R2851	0.00	T	Ethyl mercaptan	0.0	62	C2H6S	75-08-1
R2851	0.00	T	Propyl mercaptan	0.0	76	C3H8S	107-03-9
R2851	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2851	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2851	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2851	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2851	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2851	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2851	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2851	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2851	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2851	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2851	.98	T	Hydrogen sulphide	3.7	34	H2S	7783-06-4
R2851	1.32	T	Carbonyl sulphide	51.2	60	COS	463-58-1
R2851	6.37	T	Dimethyl sulphide	336.0	62	C2H6S	75-18-3
R2851	6.74	T	Carbon disulphide	112.0	76	CS2	75-15-0
R2851	7.50	T	Isopropyl mercaptan	288.0	76	C3H8S	75-33-2

Sample No: T09-2851

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-E-NOON

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2648 User Sample No: T6-E-NOON

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 13:02							
R2851	8.61	T	tert-Butyl mercaptan	136.0	90	C4H10S	75-66-1
R2851	9.19	T	Ethyl methyl sulphide	11.6	76	C3H8S	624-89-5
R2851	10.63	T	Thiophene	345.0	84	C4H4S	110-02-1
R2851	10.86	T	Isobutyl mercaptan	245.0	90	C4H10S	513-44-0
R2851	11.87	T	Butyl mercaptan	9.1	98	C4H10S	109-79-5
R2851	12.54	T	Dimethyl disulphide	14.9	94	C2H6S2	624-92-0
R2851	13.35	T	2-methyl Thiophene	68.9	98	C5H6S	554-14-3
R2851	13.54	T	3-methyl Thiophene	80.4	98	C5H6S	616-44-4
R2851	15.52	T	Allyl sulphide	6.0	114	C6H10S	592-88-1
R2851	15.63	T	2,5-dimethyl Thiophene	8.1	112	C6H8S	638-02-8
sum:				1,716			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 22-SEP-2009 14:19							
V2851	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2851	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2851	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2851	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2851	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2851	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2851	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2851	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2851	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2851	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2851	0.00	T	1,4-Dichlorobenzene	850.9	146	C6H4Cl2	106-46-7
V2851	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2851	2.51	T	Isobutane	9,760.0	58	C4H10	75-28-5
V2851	2.63	T	Vinyl chloride	2,420.0	63	C2H3Cl	75-01-4
V2851	2.67	T	1-Butene	1,480.0	56	C4H8	106-98-9
V2851	2.69	T	Butane	3,250.0	58	C4H10	106-97-8
V2851	2.79	T	trans-2-Butene	249.0	56	C4H8	624-64-6
V2851	2.89	T	cis-2-Butene	256.0	56	C4H8	590-18-1
V2851	3.15	T	3-Methyl-1-butene	134.0	70	C5H10	563-45-1
V2851	3.29	T	Isopentane	10,700.0	72	C5H12	78-78-4
V2851	3.48	T	1-Pentene	109.0	70	C5H10	109-67-1
V2851	3.58	T	Pentane	3,680.0	72	C5H12	109-66-0
V2851	3.64	M	Acetone	566.0	58	C3H6O	67-64-1
V2851	3.71	T	Isoprene	143.0	68	C5H8	78-79-5
V2851	3.71	T	trans-2-Pentene	80.5	70	C5H10	646-04-8
V2851	3.80	T	cis-2-Pentene	54.1	70	C5H10	627-20-3
V2851	3.84	T	1,1-Dichloroethylene	64.1	96	C2H2Cl2	75-35-4
V2851	3.87	T	2-Methyl-2-butene	231.0	70	C5H10	563-46-2
V2851	4.01	T	2,2-Dimethylbutane	438.0	86	C6H14	75-83-2
V2851	4.07	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2851	4.34	T	Cyclopentene	20.1	68	C5H8	142-29-0
V2851	4.36	T	4-Methyl-1-pentene	29.6	84	C6H12	691-37-2
V2851	4.44	T	2,3-Dimethylbutane	421.0	86	C6H14	79-29-8
V2851	4.47	T	Cyclopentane	1,390.0	70	C5H10	287-92-3

Sample No: T09-2851

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-E-NOON

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2648 User Sample No: T6-E-NOON

FILE	RT	MQ	SubGroup: voc NAME	Concentration		
				ppbv	MW	MolFormula CAS
Analysis Date: 22-SEP-2009 14:19						
V2851	4.50	T	2-Methylpentane	2,140.0	86	C6H14 107-83-5
V2851	4.72	T	3-Methylpentane	2,580.0	86	C6H14 96-14-0
V2851	4.85	T	2-Methyl-1-pentene	113.0	84	C6H12 763-29-1
V2851	4.99	T	Hexane	7,500.0	86	C6H14 110-54-3
V2851	5.04	M	MEK	892.0	72	C4H8O 78-93-3
V2851	5.17	97	1,2-Dichloroethylene	863.0	96	C2H2Cl2 540-59-0
V2851	5.46	T	Methylcyclopentane	1,740.0	84	C6H12 96-37-7
V2851	5.53	91	Furan, tetrahydro-	315.0	72	C4H8O 109-99-9
V2851	6.01	T	Cyclohexane	1,950.0	84	C6H12 110-82-7
V2851	6.03	T	Benzene	969.0	78	C6H6 71-43-2
V2851	6.06	T	2-Methylhexane	1,850.0	100	C7H16 591-76-4
V2851	6.10	T	2,3-Dimethylpentane	759.0	100	C7H16 565-59-3
V2851	6.21	T	3-Methylhexane	2,260.0	100	C7H16 589-34-4
V2851	6.40	T	2,2,4-Trimethylpentane	768.0	114	C8H18 540-84-1
V2851	6.60	T	Heptane	2,510.0	100	C7H16 142-82-5
V2851	6.63	T	Trichloroethylene	271.0	131	C2HCl3 79-01-6
V2851	7.01	T	Methylcyclohexane	1,900.0	98	C7H14 108-87-2
V2851	7.42	T	2,3,4-Trimethylpentane	404.0	114	C8H18 565-75-3
V2851	7.51	90	Pentane, 2,3,3-trimethyl-	440.0	114	C8H18 560-21-4
V2851	7.65	T	2-Methylheptane	618.0	114	C8H18 592-27-8
V2851	7.74	T	Toluene	25,900.0	92	C7H8 108-88-3
V2851	7.77	T	3-Methylheptane	440.0	114	C8H18 589-81-1
V2851	7.90	97	Cyclohexane, 1,3-dimethyl-	921.0	112	C8H16 638-04-0
V2851	8.18	T	Octane	1,160.0	114	C8H18 111-65-9
V2851	8.22	96	Cyclohexane, 1,2-dimethyl-	464.0	112	C8H16 6876-23-9
V2851	8.41	T	Tetrachloroethylene	335.0	166	C2Cl4 127-18-4
V2851	8.52	81	Heptane, 2,4-dimethyl-	268.0	128	C9H20 2213-23-2
V2851	8.61	91	Heptane, 2,6-dimethyl- (CAS	312.0	128	C9H20 1072-05-5
V2851	8.72	70	Cyclohexane, 1,2,4-trimethyl	641.0	126	C9H18 2234-75-5
V2851	8.77	97	Cyclohexane, ethyl-	506.0	112	C8H16 1678-91-7
V2851	8.82	94	Cyclohexane, 1,1,3-trimethyl	427.0	126	C9H18 3073-66-3
V2851	8.95	I	Chlorobenzene-d5	.0	112	C6D5Cl 3114-55-4
V2851	8.99	T	Chlorobenzene	82.0	113	C6H5Cl 108-90-7
V2851	9.04	94	Cyclohexane, 1,2,4-trimethyl	824.0	126	C9H18 7667-60-9
V2851	9.15	80	Octane, 2-methyl-	875.0	128	C9H20 3221-61-2
V2851	9.20	T	Ethyl benzene	10,500.0	106	C8H10 100-41-4
V2851	9.25	91	Octane, 3-methyl-	679.0	128	C9H20 2216-33-3
V2851	9.31	T	m,p-Xylene	9,110.0	106	C8H10 108-38-3 / 106-42-3
V2851	9.52	62	cis-3-Nonene	495.0	126	C9H18 20237-46-1
V2851	9.57	97	1-Ethyl-4-methylcyclohexane	449.0	126	C9H18 3728-56-1
V2851	9.63	T	Styrene	976.0	104	C8H8 100-42-5
V2851	9.65	T	Nonane	2,470.0	128	C9H20 111-84-2
V2851	9.67	T	o-Xylene	4,950.0	106	C8H10 95-47-6
V2851	9.84	52	1.alpha.,2.beta.,3.alpha.,4	497.0	126	C9H18 2532-67-4
V2851	10.00	83	Octane, 3,5-dimethyl-	361.0	142	C10H22 15869-93-9
V2851	10.06	46	7-Methylbicyclo[4.2.0]octan	304.0	124	C9H16 0-00-0
V2851	10.11	T	Isopropylbenzene	491.0	120	C9H12 98-82-8
V2851	10.19	87	Cyclohexane, propyl-	1,280.0	126	C9H18 1678-92-8
V2851	10.27	T	alpha Pinene	6,020.0	136	C10H16 80-56-8
V2851	10.43	64	Undecane, 5,6-dimethyl-	777.0	184	C13H28 17615-91-7

Sample No: T09-2851

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-E-NOON

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2648

User Sample No: T6-E-NOON

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 22-SEP-2009 14:19							
V2851	10.52	T	n-Propylbenzene	558.0	120	C9H12	103-65-1
V2851	10.62	94	Benzene, 1-ethyl-3-methyl-	3,730.0	120	C9H12	620-14-4
V2851	10.71	T	1,3,5-Trimethylbenzene	686.0	120	C9H12	108-67-8
V2851	10.89	T	beta Pinene	2,230.0	136	C10H16	18172-67-3
V2851	11.01	97	Decane	4,020.0	142	C10H22	124-18-5
V2851	11.07	T	1,2,4-Trimethylbenzene	1,700.0	120	C9H12	95-63-6
V2851	11.31	86	Decane, 4-methyl-	1,330.0	156	C11H24	2847-72-5
V2851	11.47	95	Benzene, 1-methyl-4-(1-meth	9,560.0	134	C10H14	99-87-6
V2851	11.53	99	dl-Limonene	7,650.0	136	C10H16	138-86-3
V2851	11.75	49	Decane, 5-methyl-	306.0	156	C11H24	13151-35-4
V2851	12.27	94	Undecane	2,350.0	156	C11H24	1120-21-4
sum:				173,802			

Sample No: T09-2852 Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-6-PM
 SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: 1688 User Sample No: T4-6-PM

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS
Analysis Date: 22-SEP-2009 13:39							
G2852	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2852	1.44	T	Carbon dioxide	31.2	44	CO2	124-38-9
G2852	3.35	T	Oxygen	3.6	32	O2	7782-44-7
G2852	6.17	T	Nitrogen	20.1	28	N2	7727-37-9
				sum:	55		

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 00:00							
c2852	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2852	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2852	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2852	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2852	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2852	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2852	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2852	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2852	1.72	T	Methane	492,000.0	16	CH4	74-82-8
c2852	2.19	T	Ethane	4.0	30	C2H6	74-84-0
c2852	2.87	T	Ethylene	4.8	28	C2H4	74-85-1
c2852	4.21	T	Propane	13.1	44	C3H8	74-98-6
c2852	6.56	T	Propylene	2.3	42	C3H6	115-07-1
c2852	7.79	T	Isobutane	3.9	58	C4H10	75-28-5
c2852	8.22	T	Butane	1.0	58	C4H10	106-97-8
				sum:	492,029		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 13:22							
R2852	0.00	T	Hydrogen sulphide	0.0	34	H2S	7783-06-4
R2852	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2852	0.00	T	Methyl mercaptan	0.0	48	CH4S	74-93-1
R2852	0.00	T	Ethyl mercaptan	0.0	62	C2H6S	75-08-1
R2852	0.00	T	Isopropyl mercaptan	0.0	76	C3H8S	75-33-2
R2852	0.00	T	tert-Butyl mercaptan	0.0	90	C4H10S	75-66-1
R2852	0.00	T	Propyl mercaptan	0.0	76	C3H8S	107-03-9
R2852	0.00	T	Ethyl methyl sulphide	0.0	76	C3H8S	624-89-5
R2852	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2852	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2852	0.00	T	Butyl mercaptan	0.0	98	C4H10S	109-79-5
R2852	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2852	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2852	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2852	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2852	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2852	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2852	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2852	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6

Sample No: T09-2852

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-6-PM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1688

User Sample No: T4-6-PM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 13:22							
R2852	1.33	T	Carbonyl sulphide	19.8	60	COS	463-58-1
R2852	6.36	T	Dimethyl sulphide	52.7	62	C2H6S	75-18-3
R2852	6.72	T	Carbon disulphide	14.3	76	CS2	75-15-0
R2852	10.63	T	Thiophene	28.8	84	C4H4S	110-02-1
R2852	10.85	T	Isobutyl mercaptan	86.5	90	C4H10S	513-44-0
R2852	12.52	T	Dimethyl disulphide	7.2	94	C2H6S2	624-92-0
R2852	13.37	T	2-methyl Thiophene	39.3	98	C5H6S	554-14-3
R2852	13.56	T	3-methyl Thiophene	33.2	98	C5H6S	616-44-4
R2852	15.53	T	Allyl sulphide	4.9	114	C6H10S	592-88-1
R2852	15.65	T	2,5-dimethyl Thiophene	6.9	112	C6H8S	638-02-8
				sum:	294		

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 14:55							
V2852	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2852	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2852	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2852	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2852	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2852	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2852	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2852	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2852	0.00	T	1,4-Dichlorobenzene	710.1	146	C6H4Cl2	106-46-7
V2852	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2852	2.49	T	Isobutane	3,110.0	58	C4H10	75-28-5
V2852	2.61	T	Vinyl chloride	2,650.0	63	C2H3Cl	75-01-4
V2852	2.65	T	1-Butene	799.0	56	C4H8	106-98-9
V2852	2.68	T	Butane	1,060.0	58	C4H10	106-97-8
V2852	2.78	T	trans-2-Butene	93.1	56	C4H8	624-64-6
V2852	2.88	T	cis-2-Butene	116.0	56	C4H8	590-18-1
V2852	3.13	T	3-Methyl-1-butene	90.6	70	C5H10	563-45-1
V2852	3.27	T	Isopentane	1,670.0	72	C5H12	78-78-4
V2852	3.47	T	1-Pentene	80.5	70	C5H10	109-67-1
V2852	3.56	T	Pentane	857.0	72	C5H12	109-66-0
V2852	3.68	M	MEK	65.0	72	C4H8O	78-93-3
V2852	3.68	M	Acetone	173.0	58	C3H6O	67-64-1
V2852	3.70	T	Isoprene	51.3	68	C5H8	78-79-5
V2852	3.70	T	trans-2-Pentene	46.1	70	C5H10	646-04-8
V2852	3.80	T	cis-2-Pentene	25.9	70	C5H10	627-20-3
V2852	3.82	T	1,1-Dichloroethylene	25.8	96	C2H2Cl2	75-35-4
V2852	3.86	T	2-Methyl-2-butene	146.0	70	C5H10	563-46-2
V2852	4.00	T	2,2-Dimethylbutane	127.0	86	C6H14	75-83-2
V2852	4.06	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2852	4.33	T	Cyclopentene	9.9	68	C5H8	142-29-0
V2852	4.35	T	4-Methyl-1-pentene	16.3	84	C6H12	691-37-2
V2852	4.43	T	2,3-Dimethylbutane	114.0	86	C6H14	79-29-8
V2852	4.46	T	Cyclopentane	117.0	70	C5H10	287-92-3
V2852	4.50	T	2-Methylpentane	576.0	86	C6H14	107-83-5

Sample No: T09-2852

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-6-PM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1688 User Sample No: T4-6-PM

FILE	SubGroup: voc			Concentration		MW	MolFormula	CAS
	RT	MQ	NAME	ppbv				
Analysis Date: 22-SEP-2009 14:55								
V2852	4.71	T	3-Methylpentane	654.0	86	C6H14	96-14-0	
V2852	4.85	T	2-Methyl-1-pentene	49.1	84	C6H12	763-29-1	
V2852	4.98	T	Hexane	1,770.0	86	C6H14	110-54-3	
V2852	5.10	T	cis-2-Hexene	23.5	84	C6H12	7688-21-3	
V2852	5.16	97	Ethene, 1,2-dichloro-, (Z)-	300.0	96	C2H2Cl2	156-59-2	
V2852	5.25	T	trans-2-Hexene	14.0	84	C6H12	4050-45-7	
V2852	5.45	T	Methylcyclopentane	434.0	84	C6H12	96-37-7	
V2852	6.01	T	Cyclohexane	699.0	84	C6H12	110-82-7	
V2852	6.02	T	Benzene	390.0	78	C6H6	71-43-2	
V2852	6.06	T	2-Methylhexane	620.0	100	C7H16	591-76-4	
V2852	6.10	T	2,3-Dimethylpentane	272.0	100	C7H16	565-59-3	
V2852	6.20	T	3-Methylhexane	814.0	100	C7H16	589-34-4	
V2852	6.40	T	2,2,4-Trimethylpentane	616.0	114	C8H18	540-84-1	
V2852	6.60	T	Heptane	1,150.0	100	C7H16	142-82-5	
V2852	6.63	T	Trichloroethylene	70.0	131	C2HCl3	79-01-6	
V2852	7.02	T	Methylcyclohexane	1,270.0	98	C7H14	108-87-2	
V2852	7.42	T	2,3,4-Trimethylpentane	292.0	114	C8H18	565-75-3	
V2852	7.65	T	2-Methylheptane	511.0	114	C8H18	592-27-8	
V2852	7.74	T	Toluene	10,700.0	92	C7H8	108-88-3	
V2852	7.77	T	3-Methylheptane	344.0	114	C8H18	589-81-1	
V2852	7.90	94	Cyclohexane, 1,4-dimethyl-	581.0	112	C8H16	589-90-2	
V2852	8.18	T	Octane	797.0	114	C8H18	111-65-9	
V2852	8.42	T	Tetrachloroethylene	87.1	166	C2Cl4	127-18-4	
V2852	8.72	64	Cyclohexane, 1,1,2-trimethyl-	455.0	126	C9H18	7094-26-0	
V2852	8.77	97	Cyclohexane, ethyl-	328.0	112	C8H16	1678-91-7	
V2852	8.82	95	Cyclohexane, 1,1,3-trimethyl-	289.0	126	C9H18	3073-66-3	
V2852	8.95	I	Chlorobenzene-d5	.0	112	C6D5Cl	3114-55-4	
V2852	8.99	T	Chlorobenzene	118.0	113	C6H5Cl	108-90-7	
V2852	9.04	96	Cyclohexane, 1,2,4-trimethyl-	522.0	126	C9H18	7667-60-9	
V2852	9.15	59	Hexane, 2,3,4-trimethyl-	625.0	128	C9H20	921-47-1	
V2852	9.20	T	Ethyl benzene	6,110.0	106	C8H10	100-41-4	
V2852	9.25	91	Octane, 3-methyl-	534.0	128	C9H20	2216-33-3	
V2852	9.32	T	m,p-Xylene	5,690.0	106	C8H10	108-38-3 / 106-42-3	
V2852	9.52	78	Cyclohexane, 1,2,4-trimethyl-	520.0	126	C9H18	2234-75-5	
V2852	9.57	95	1-Ethyl-3-methylcyclohexane	455.0	126	C9H18	3728-55-0	
V2852	9.63	T	Styrene	222.0	104	C8H8	100-42-5	
V2852	9.65	T	Nonane	1,940.0	128	C9H20	111-84-2	
V2852	9.67	T	o-Xylene	3,520.0	106	C8H10	95-47-6	
V2852	9.84	52	2-Octene, 2,6-dimethyl-	416.0	140	C10H20	4057-42-5	
V2852	9.86	90	1-Ethyl-4-methylcyclohexane	309.0	126	C9H18	3728-56-1	
V2852	9.90	52	Hexane, 2,4-dimethyl-	360.0	114	C8H18	589-43-5	
V2852	10.00	90	Octane, 2,5-dimethyl-	314.0	142	C10H22	15869-89-3	
V2852	10.11	T	Isopropylbenzene	414.0	120	C9H12	98-82-8	
V2852	10.19	87	Cyclohexane, propyl-	1,010.0	126	C9H18	1678-92-8	
V2852	10.27	T	alpha Pinene	3,220.0	136	C10H16	80-56-8	
V2852	10.36	42	1-Pentene, 3-ethyl-	305.0	98	C7H14	4038-04-4	
V2852	10.43	86	Undecane, 5,6-dimethyl-	675.0	184	C13H28	17615-91-7	
V2852	10.52	T	n-Propylbenzene	419.0	120	C9H12	103-65-1	
V2852	10.62	94	Benzene, 1-ethyl-3-methyl-	2,950.0	120	C9H12	620-14-4	
V2852	10.71	T	1,3,5-Trimethylbenzene	552.0	120	C9H12	108-67-8	

Sample No: T09-2852 Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-6-PM
 SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: 1688 User Sample No: T4-6-PM

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 14:55							
V2852	10.90	T	beta Pinene	1,320.0	136	C10H16	18172-67-3
V2852	11.01	95	Decane	3,050.0	142	C10H22	124-18-5
V2852	11.07	T	1,2,4-Trimethylbenzene	1,410.0	120	C9H12	95-63-6
V2852	11.21	47	Dotriacontane	386.0	451	C32H66	544-85-4
V2852	11.31	76	Decane, 4-methyl-	1,240.0	156	C11H24	2847-72-5
V2852	11.35	72	Heptane, 2,2,4,6,6-pentamet	1,270.0	170	C12H26	13475-82-6
V2852	11.47	95	Benzene, methyl(1-methyl)eth	6,040.0	134	C10H14	25155-15-1
V2852	11.53	98	dl-Limonene	3,670.0	136	C10H16	138-86-3
V2852	11.75	64	Decane, 2,5,6-trimethyl-	320.0	184	C13H28	62108-23-0
V2852	11.80	47	Pentane, 3-ethyl-2,2-dimeth	780.0	128	C9H20	16747-32-3
V2852	11.87	50	Dodecane, 3-methyl-	676.0	184	C13H28	17312-57-1
V2852	12.05	80	Tetracontane, 3,5,24-trimet	847.0	605	C43H88	55162-61-3
V2852	12.27	95	Undecane	1,850.0	156	C11H24	1120-21-4
V2852	12.48	74	Decane, 3,8-dimethyl-	384.0	170	C12H26	17312-55-9
sum:				90,702			

Sample No: T09-2853

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-7-AM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1704 User Sample No: T4-7-AM

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 14:20							
G2853	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2853	1.43	T	Carbon dioxide	31.0	44	CO2	124-38-9
G2853	3.35	T	Oxygen	3.5	32	O2	7782-44-7
G2853	6.15	T	Nitrogen	18.9	28	N2	7727-37-9
sum:				53			

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 00:00							
c2853	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2853	0.00	T	Butane	0.0	58	C4H10	106-97-8
c2853	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2853	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2853	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2853	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2853	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2853	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2853	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2853	1.73	T	Methane	450,000.0	16	CH4	74-82-8
c2853	2.21	T	Ethane	3.8	30	C2H6	74-84-0
c2853	2.89	T	Ethylene	4.3	28	C2H4	74-85-1
c2853	4.23	T	Propane	10.1	44	C3H8	74-98-6
c2853	6.58	T	Propylene	3.0	42	C3H6	115-07-1
c2853	7.81	T	Isobutane	2.8	58	C4H10	75-28-5
sum:				450,024			

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 13:43							
R2853	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2853	0.00	T	Methyl mercaptan	0.0	48	CH4S	74-93-1
R2853	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2853	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2853	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2853	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2853	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2853	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2853	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2853	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2853	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2853	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2853	1.10	T	Hydrogen sulphide	77.9	34	H2S	7783-06-4
R2853	1.35	T	Carbonyl sulphide	29.1	60	COS	463-58-1
R2853	5.80	T	Ethyl mercaptan	19.0	62	C2H6S	75-08-1
R2853	6.36	T	Dimethyl sulphide	74.9	62	C2H6S	75-18-3
R2853	6.73	T	Carbon disulphide	7.9	76	CS2	75-15-0
R2853	7.49	T	Isopropyl mercaptan	289.0	76	C3H8S	75-33-2
R2853	8.60	T	tert-Butyl mercaptan	90.3	90	C4H10S	75-66-1

Sample No: T09-2853

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-7-AM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1704 User Sample No: T4-7-AM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 13:43							
R2853	8.99	T	Propyl mercaptan	5.2	76	C3H8S	107-03-9
R2853	9.18	T	Ethyl methyl sulphide	7.0	76	C3H8S	624-89-5
R2853	10.62	T	Thiophene	184.0	84	C4H4S	110-02-1
R2853	10.85	T	Isobutyl mercaptan	122.0	90	C4H10S	513-44-0
R2853	11.86	T	Butyl mercaptan	5.6	98	C4H10S	109-79-5
R2853	12.55	T	Dimethyl disulphide	6.0	94	C2H6S2	624-92-0
R2853	13.39	T	2-methyl Thiophene	52.6	98	C5H6S	554-14-3
R2853	13.58	T	3-methyl Thiophene	41.7	98	C5H6S	616-44-4
R2853	15.55	T	Allyl sulphide	6.2	114	C6H10S	592-88-1
R2853	15.65	T	2,5-dimethyl Thiophene	7.0	112	C6H8S	638-02-8
sum:				1,025			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 22-SEP-2009 15:32							
V2853	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2853	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2853	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2853	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2853	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2853	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2853	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2853	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2853	0.00	T	1,4-Dichlorobenzene	666.8	146	C6H4Cl2	106-46-7
V2853	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2853	2.50	T	Isobutane	2,970.0	58	C4H10	75-28-5
V2853	2.63	T	Vinyl chloride	2,490.0	63	C2H3Cl	75-01-4
V2853	2.67	T	1-Butene	911.0	56	C4H8	106-98-9
V2853	2.69	T	Butane	1,030.0	58	C4H10	106-97-8
V2853	2.79	T	trans-2-Butene	135.0	56	C4H8	624-64-6
V2853	2.89	T	cis-2-Butene	207.0	56	C4H8	590-18-1
V2853	3.15	T	3-Methyl-1-butene	90.3	70	C5H10	563-45-1
V2853	3.28	T	Isopentane	1,570.0	72	C5H12	78-78-4
V2853	3.48	T	1-Pentene	68.2	70	C5H10	109-67-1
V2853	3.57	T	Pentane	755.0	72	C5H12	109-66-0
V2853	3.70	T	Isoprene	58.6	68	C5H8	78-79-5
V2853	3.71	T	trans-2-Pentene	49.9	70	C5H10	646-04-8
V2853	3.71	M	MEK	267.0	72	C4H8O	78-93-3
V2853	3.71	M	Acetone	361.0	58	C3H6O	67-64-1
V2853	3.80	T	cis-2-Pentene	27.0	70	C5H10	627-20-3
V2853	3.83	T	1,1-Dichloroethylene	37.3	96	C2H2Cl2	75-35-4
V2853	3.87	T	2-Methyl-2-butene	146.0	70	C5H10	563-46-2
V2853	4.00	T	2,2-Dimethylbutane	122.0	86	C6H14	75-83-2
V2853	4.06	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2853	4.33	T	Cyclopentene	11.2	68	C5H8	142-29-0
V2853	4.35	T	4-Methyl-1-pentene	18.7	84	C6H12	691-37-2
V2853	4.43	T	2,3-Dimethylbutane	113.0	86	C6H14	79-29-8
V2853	4.46	T	Cyclopentane	94.1	70	C5H10	287-92-3
V2853	4.50	T	2-Methylpentane	554.0	86	C6H14	107-83-5

Sample No: T09-2853

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-7-AM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1704 User Sample No: T4-7-AM

FILE	SubGroup: voc			Concentration		
	RT	MQ	NAME	ppbv	MW	MolFormula CAS

Analysis Date: 22-SEP-2009 15:32						
V2853	4.71	T	3-Methylpentane	622.0	86	C6H14 96-14-0
V2853	4.84	T	2-Methyl-1-pentene	50.3	84	C6H12 763-29-1
V2853	4.98	T	Hexane	1,730.0	86	C6H14 110-54-3
V2853	5.11	T	cis-2-Hexene	30.6	84	C6H12 7688-21-3
V2853	5.16	97	Ethene, 1,2-dichloro-, (Z)-	722.0	96	C2H2Cl2 156-59-2
V2853	5.25	T	trans-2-Hexene	18.0	84	C6H12 4050-45-7
V2853	5.45	T	Methylcyclopentane	419.0	84	C6H12 96-37-7
V2853	6.01	T	Cyclohexane	664.0	84	C6H12 110-82-7
V2853	6.03	T	Benzene	412.0	78	C6H6 71-43-2
V2853	6.06	T	2-Methylhexane	526.0	100	C7H16 591-76-4
V2853	6.10	T	2,3-Dimethylpentane	256.0	100	C7H16 565-59-3
V2853	6.20	T	3-Methylhexane	802.0	100	C7H16 589-34-4
V2853	6.40	T	2,2,4-Trimethylpentane	594.0	114	C8H18 540-84-1
V2853	6.60	T	Heptane	1,120.0	100	C7H16 142-82-5
V2853	6.63	T	Trichloroethylene	85.3	131	C2HCl3 79-01-6
V2853	7.01	T	Methylcyclohexane	1,340.0	98	C7H14 108-87-2
V2853	7.42	T	2,3,4-Trimethylpentane	285.0	114	C8H18 565-75-3
V2853	7.65	T	2-Methylheptane	510.0	114	C8H18 592-27-8
V2853	7.73	T	Toluene	15,500.0	92	C7H8 108-88-3
V2853	7.77	T	3-Methylheptane	368.0	114	C8H18 589-81-1
V2853	7.90	97	Cyclohexane, 1,3-dimethyl-,	819.0	112	C8H16 638-04-0
V2853	8.18	T	Octane	925.0	114	C8H18 111-65-9
V2853	8.41	T	Tetrachloroethylene	95.6	166	C2Cl4 127-18-4
V2853	8.72	76	Cyclohexane, 1,2,4-trimethy	605.0	126	C9H18 2234-75-5
V2853	8.77	97	Cyclohexane, ethyl-	402.0	112	C8H16 1678-91-7
V2853	8.82	97	Cyclohexane, 1,1,3-trimethy	385.0	126	C9H18 3073-66-3
V2853	8.95	I	Chlorobenzene-d5	.0	112	C6D5Cl 3114-55-4
V2853	8.99	T	Chlorobenzene	122.0	113	C6H5Cl 108-90-7
V2853	9.04	94	Cyclohexane, 1,2,4-trimethy	669.0	126	C9H18 7667-60-9
V2853	9.14	64	Octane, 2-methyl-	753.0	128	C9H20 3221-61-2
V2853	9.19	T	Ethyl benzene	7,110.0	106	C8H10 100-41-4
V2853	9.25	91	Octane, 3-methyl-	478.0	128	C9H20 2216-33-3
V2853	9.31	T	m,p-Xylene	6,870.0	106	C8H10 108-38-3 / 106-42-3
V2853	9.52	60	Cyclohexane, 1,2,3-trimethy	531.0	126	C9H18 1678-81-5
V2853	9.57	95	1-Ethyl-4-methylcyclohexane	423.0	126	C9H18 3728-56-1
V2853	9.63	T	Styrene	223.0	104	C8H8 100-42-5
V2853	9.65	T	Nonane	2,050.0	128	C9H20 111-84-2
V2853	9.67	T	o-Xylene	3,790.0	106	C8H10 95-47-6
V2853	9.84	53	1.alpha.,2.beta.,3.alpha.,4	544.0	126	C9H18 2532-67-4
V2853	9.86	87	cis-1-Ethyl-3-methyl-cycloh	517.0	126	C9H18 19489-10-2
V2853	9.90	52	Hexane, 2,4-dimethyl-	453.0	114	C8H18 589-43-5
V2853	10.00	87	Octane, 2,5-dimethyl-	392.0	142	C10H22 15869-89-3
V2853	10.08	72	Cyclohexaneethanol	682.0	128	C8H16O 4442-79-9
V2853	10.11	T	Isopropylbenzene	420.0	120	C9H12 98-82-8
V2853	10.19	87	Cyclohexane, propyl-	1,270.0	126	C9H18 1678-92-8
V2853	10.27	T	alpha Pinene	3,600.0	136	C10H16 80-56-8
V2853	10.43	64	Undecane, 5,6-dimethyl-	863.0	184	C13H28 17615-91-7
V2853	10.52	T	n-Propylbenzene	428.0	120	C9H12 103-65-1
V2853	10.62	94	Benzene, 1-ethyl-3-methyl-	3,810.0	120	C9H12 620-14-4
V2853	10.71	T	1,3,5-Trimethylbenzene	520.0	120	C9H12 108-67-8

Sample No: T09-2853 Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-7-AM

 SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: 1704 User Sample No: T4-7-AM

FILE	SubGroup: voc		NAME	Concentration	MW	MolFormula	CAS
	RT	MQ		ppbv			

Analysis Date: 22-SEP-2009 15:32							
V2853	10.89	T	beta Pinene	1,100.0	136	C10H16	18172-67-3
V2853	11.01	95	Decane	4,260.0	142	C10H22	124-18-5
V2853	11.07	T	1,2,4-Trimethylbenzene	1,310.0	120	C9H12	95-63-6
V2853	11.21	53	Decane, 5-methyl-	513.0	156	C11H24	13151-35-4
V2853	11.31	94	Decane, 4-methyl-	1,750.0	156	C11H24	2847-72-5
V2853	11.34	72	Heptane, 2,2,4,6,6-pentamet	1,550.0	170	C12H26	13475-82-6
V2853	11.46	95	Benzene, 1-methyl-2-(1-meth	8,180.0	134	C10H14	527-84-4
V2853	11.53	99	dl-Limonene	5,210.0	136	C10H16	138-86-3
V2853	11.75	58	Decane, 5-methyl-	388.0	156	C11H24	13151-35-4
V2853	11.80	47	Pentane, 3-ethyl-2,2-dimeth	933.0	128	C9H20	16747-32-3
V2853	11.87	43	Dodecane, 2,2,11,11-tetrame	784.0	226	C16H34	127204-12-0
V2853	12.05	64	Hydroxylamine, O-decyl-	999.0	173	C10H23NO	29812-79-1
V2853	12.27	94	Undecane	2,230.0	156	C11H24	1120-21-4
V2853	12.48	81	Decane, 3,8-dimethyl-	413.0	170	C12H26	17312-55-9
sum:				108,177			

Sample No: T09-2854

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-F-PM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1126 User Sample No: T6-F-PM

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 14:34							
G2854	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2854	1.43	T	Carbon dioxide	36.8	44	CO2	124-38-9
G2854	3.36	T	Oxygen	1.2	32	O2	7782-44-7
G2854	6.18	T	Nitrogen	10.4	28	N2	7727-37-9
sum:				48			

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 00:00							
c2854	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2854	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2854	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2854	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2854	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2854	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2854	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2854	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2854	1.72	T	Methane	506,000.0	16	CH4	74-82-8
c2854	2.19	T	Ethane	2.6	30	C2H6	74-84-0
c2854	2.87	T	Ethylene	5.4	28	C2H4	74-85-1
c2854	4.21	T	Propane	16.4	44	C3H8	74-98-6
c2854	6.55	T	Propylene	4.6	42	C3H6	115-07-1
c2854	7.79	T	Isobutane	9.5	58	C4H10	75-28-5
c2854	8.22	T	Butane	2.3	58	C4H10	106-97-8
sum:				506,041			

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 14:04							
R2854	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2854	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2854	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2854	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2854	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2854	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2854	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2854	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2854	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2854	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2854	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2854	1.09	T	Hydrogen sulphide	164.0	34	H2S	7783-06-4
R2854	1.32	T	Carbonyl sulphide	68.8	60	COS	463-58-1
R2854	3.15	T	Methyl mercaptan	8.7	48	CH4S	74-93-1
R2854	5.79	T	Ethyl mercaptan	11.4	62	C2H6S	75-08-1
R2854	6.35	T	Dimethyl sulphide	358.0	62	C2H6S	75-18-3
R2854	6.72	T	Carbon disulphide	111.0	76	CS2	75-15-0
R2854	7.48	T	Isopropyl mercaptan	376.0	76	C3H8S	75-33-2
R2854	8.59	T	tert-Butyl mercaptan	77.2	90	C4H10S	75-66-1

Sample No: T09-2854

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-F-PM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1126 User Sample No: T6-F-PM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 14:04							
R2854	9.00	T	Propyl mercaptan	4.9	76	C3H8S	107-03-9
R2854	9.18	T	Ethyl methyl sulphide	10.9	76	C3H8S	624-89-5
R2854	10.62	T	Thiophene	226.0	84	C4H4S	110-02-1
R2854	10.85	T	Isobutyl mercaptan	210.0	90	C4H10S	513-44-0
R2854	11.86	T	Butyl mercaptan	10.2	98	C4H10S	109-79-5
R2854	12.54	T	Dimethyl disulphide	6.2	94	C2H6S2	624-92-0
R2854	13.37	T	2-methyl Thiophene	58.3	98	C5H6S	554-14-3
R2854	13.56	T	3-methyl Thiophene	68.2	98	C5H6S	616-44-4
R2854	15.52	T	Allyl sulphide	3.6	114	C6H10S	592-88-1
R2854	15.65	T	2,5-dimethyl Thiophene	4.9	112	C6H8S	638-02-8
sum:				1.778			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 22-SEP-2009 16:09							
V2854	0.00	T	trans-2-Pentene	0.0	70	C5H10	646-04-8
V2854	0.00	T	4-Methyl-1-pentene	0.0	84	C6H12	691-37-2
V2854	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2854	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2854	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2854	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2854	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2854	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2854	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2854	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2854	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2854	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2854	0.00	T	1,4-Dichlorobenzene	721.8	146	C6H4Cl2	106-46-7
V2854	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2854	2.50	T	Isobutane	8,210.0	58	C4H10	75-28-5
V2854	2.63	T	Vinyl chloride	2,380.0	63	C2H3Cl	75-01-4
V2854	2.66	T	1-Butene	1,230.0	56	C4H8	106-98-9
V2854	2.68	T	Butane	2,760.0	58	C4H10	106-97-8
V2854	2.78	T	trans-2-Butene	201.0	56	C4H8	624-64-6
V2854	2.88	T	cis-2-Butene	216.0	56	C4H8	590-18-1
V2854	3.14	T	3-Methyl-1-butene	110.0	70	C5H10	563-45-1
V2854	3.27	T	Isopentane	9,010.0	72	C5H12	78-78-4
V2854	3.48	T	1-Pentene	78.2	70	C5H10	109-67-1
V2854	3.56	T	Pentane	3,000.0	72	C5H12	109-66-0
V2854	3.67	M	Acetone	684.0	58	C3H6O	67-64-1
V2854	3.71	T	Isoprene	120.0	68	C5H8	78-79-5
V2854	3.80	T	cis-2-Pentene	46.2	70	C5H10	627-20-3
V2854	3.83	T	1,1-Dichloroethylene	56.4	96	C2H2Cl2	75-35-4
V2854	3.86	T	2-Methyl-2-butene	181.0	70	C5H10	563-46-2
V2854	4.00	T	2,2-Dimethylbutane	337.0	86	C6H14	75-83-2
V2854	4.06	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2854	4.33	T	Cyclopentene	16.3	68	C5H8	142-29-0
V2854	4.43	T	2,3-Dimethylbutane	345.0	86	C6H14	79-29-8
V2854	4.46	T	Cyclopentane	1,220.0	70	C5H10	287-92-3

Sample No: T09-2854

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-F-PM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1126 User Sample No: T6-F-PM

FILE	RT	MQ	NAME	Concentration			
				ppbv	MW	MolFormula	CAS
Analysis Date: 22-SEP-2009 16:09							
V2854	4.49	T	2-Methylpentane	1,700.0	86	C6H14	107-83-5
V2854	4.71	T	3-Methylpentane	2,080.0	86	C6H14	96-14-0
V2854	4.85	T	2-Methyl-1-pentene	94.9	84	C6H12	763-29-1
V2854	4.98	T	Hexane	6,220.0	86	C6H14	110-54-3
V2854	5.07	M	MEK	907.0	72	C4H8O	78-93-3
V2854	5.16	97	Ethene, 1,2-dichloro-, (Z)-	992.0	96	C2H2Cl2	156-59-2
V2854	5.45	T	Methylcyclopentane	1,390.0	84	C6H12	96-37-7
V2854	6.01	T	Cyclohexane	1,610.0	84	C6H12	110-82-7
V2854	6.02	T	Benzene	816.0	78	C6H6	71-43-2
V2854	6.06	T	2-Methylhexane	1,300.0	100	C7H16	591-76-4
V2854	6.10	T	2,3-Dimethylpentane	674.0	100	C7H16	565-59-3
V2854	6.20	T	3-Methylhexane	1,840.0	100	C7H16	589-34-4
V2854	6.40	T	2,2,4-Trimethylpentane	613.0	114	C8H18	540-84-1
V2854	6.60	T	Heptane	2,100.0	100	C7H16	142-82-5
V2854	6.63	T	Trichloroethylene	228.0	131	C2HCl3	79-01-6
V2854	7.01	T	Methylcyclohexane	1,510.0	98	C7H14	108-87-2
V2854	7.42	T	2,3,4-Trimethylpentane	304.0	114	C8H18	565-75-3
V2854	7.65	T	2-Methylheptane	474.0	114	C8H18	592-27-8
V2854	7.74	T	Toluene	24,800.0	92	C7H8	108-88-3
V2854	7.77	T	3-Methylheptane	338.0	114	C8H18	589-81-1
V2854	7.90	97	Cyclohexane, 1,3-dimethyl-,	878.0	112	C8H16	638-04-0
V2854	8.18	T	Octane	959.0	114	C8H18	111-65-9
V2854	8.41	T	Tetrachloroethylene	262.0	166	C2Cl4	127-18-4
V2854	8.72	76	Cyclohexane, 1,2,4-trimethyl	599.0	126	C9H18	2234-75-5
V2854	8.77	97	Cyclohexane, ethyl-	456.0	112	C8H16	1678-91-7
V2854	8.82	97	Cyclohexane, 1,1,3-trimethyl	386.0	126	C9H18	3073-66-3
V2854	8.95	I	Chlorobenzene-d5	.0	112	C6D5Cl	3114-55-4
V2854	8.99	T	Chlorobenzene	62.8	113	C6H5Cl	108-90-7
V2854	9.04	96	Cyclohexane, 1,2,4-trimethyl	745.0	126	C9H18	7667-60-9
V2854	9.14	64	Octane, 2-methyl-	776.0	128	C9H20	3221-61-2
V2854	9.20	T	Ethyl benzene	9,090.0	106	C8H10	100-41-4
V2854	9.25	91	Octane, 3-methyl-	457.0	128	C9H20	2216-33-3
V2854	9.31	T	m,p-Xylene	8,120.0	106	C8H10	108-38-3 / 106-42-3
V2854	9.52	64	Cyclopentane, 1-methyl-2-pr	476.0	126	C9H18	3728-57-2
V2854	9.57	97	cis-1-Ethyl-3-methyl-cyclo	467.0	126	C9H18	19489-10-2
V2854	9.63	T	Styrene	772.0	104	C8H8	100-42-5
V2854	9.64	T	Nonane	2,040.0	128	C9H20	111-84-2
V2854	9.67	T	o-Xylene	4,100.0	106	C8H10	95-47-6
V2854	9.83	53	2-Octene, 2,6-dimethyl-	515.0	140	C10H20	4057-42-5
V2854	9.86	93	Cyclohexane, 1-ethyl-2-meth	564.0	126	C9H18	3728-54-9
V2854	9.90	46	Hexane, 2,4-dimethyl-	518.0	114	C8H18	589-43-5
V2854	10.00	83	Octane, 2,5-dimethyl-	475.0	142	C10H22	15869-89-3
V2854	10.08	45	1H-Indene, octahydro-, tran	632.0	124	C9H16	3296-50-2
V2854	10.11	T	Isopropylbenzene	415.0	120	C9H12	98-82-8
V2854	10.18	90	Cyclohexanone, 2,3-dimethyl	1,420.0	126	C8H14O	13395-76-1
V2854	10.27	T	alpha Pinene	4,700.0	136	C10H16	80-56-8
V2854	10.43	64	Undecane, 5,6-dimethyl-	715.0	184	C13H28	17615-91-7
V2854	10.52	T	n-Propylbenzene	519.0	120	C9H12	103-65-1
V2854	10.62	94	Benzene, 1-ethyl-3-methyl-	3,760.0	120	C9H12	620-14-4
V2854	10.71	T	1,3,5-Trimethylbenzene	560.0	120	C9H12	108-67-8

Sample No: T09-2854

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-F-PM

SmpDate: 10-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1126 User Sample No: T6-F-PM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS

Analysis Date: 22-SEP-2009 16:09						
V2854	10.89	T	beta Pinene	965.0	136	C10H16 18172-67-3
V2854	11.01	94	Decane	4,090.0	142	C10H22 124-18-5
V2854	11.07	T	1,2,4-Trimethylbenzene	1,420.0	120	C9H12 95-63-6
V2854	11.20	46	Decane, 5-methyl-	498.0	156	C11H24 13151-35-4
V2854	11.31	93	.DELTA.3-Carene	1,600.0	136	C10H16 13466-78-9
V2854	11.34	72	Decane, 2,2-dimethyl-	1,510.0	170	C12H26 17302-37-3
V2854	11.46	95	Benzene, 1-methyl-4-(1-meth	9,980.0	134	C10H14 99-87-6
V2854	11.53	99	dl-Limonene	8,170.0	136	C10H16 138-86-3
V2854	11.75	58	Decane, 5-methyl-	378.0	156	C11H24 13151-35-4
V2854	11.80	50	Heptane, 5-ethyl-2,2,3-trim	978.0	170	C12H26 62199-06-8
V2854	11.87	50	Hexane, 2,2,5-trimethyl- (C	835.0	128	C9H20 3522-94-9
V2854	12.05	53	Ether, hexyl pentyl	964.0	172	C11H24O 32357-83-8
V2854	12.27	95	Undecane	2,610.0	156	C11H24 1120-21-4
sum:				160,351		

Sample No: T09-2855

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-G-AM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1532 User Sample No: T6-G-AM

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 15:50							
G2855	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2855	1.43	T	Carbon dioxide	32.6	44	CO2	124-38-9
G2855	3.35	T	Oxygen	2.8	32	O2	7782-44-7
G2855	6.16	T	Nitrogen	15.5	28	N2	7727-37-9
				sum:	51		

SubGroup: clc4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 00:00							
c2855	0.00	T	Ethane	0.0	30	C2H6	74-84-0
c2855	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2855	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2855	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2855	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2855	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2855	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2855	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2855	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2855	1.72	T	Methane	546,000.0	16	CH4	74-82-8
c2855	2.87	T	Ethylene	6.0	28	C2H4	74-85-1
c2855	4.21	T	Propane	15.0	44	C3H8	74-98-6
c2855	6.55	T	Propylene	4.5	42	C3H6	115-07-1
c2855	7.79	T	Isobutane	9.9	58	C4H10	75-28-5
c2855	8.22	T	Butane	2.4	58	C4H10	106-97-8
				sum:	546,038		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 14:25							
R2855	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2855	0.00	T	Methyl mercaptan	0.0	48	CH4S	74-93-1
R2855	0.00	T	Ethyl mercaptan	0.0	62	C2H6S	75-08-1
R2855	0.00	T	Isopropyl mercaptan	0.0	76	C3H8S	75-33-2
R2855	0.00	T	tert-Butyl mercaptan	0.0	90	C4H10S	75-66-1
R2855	0.00	T	Ethyl methyl sulphide	0.0	76	C3H8S	624-89-5
R2855	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2855	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2855	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2855	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2855	0.00	T	Allyl sulphide	0.0	114	C6H10S	592-88-1
R2855	0.00	T	2,5-dimethyl Thiophene	0.0	112	C6H8S	638-02-8
R2855	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2855	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2855	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2855	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2855	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2855	.99	T	Hydrogen sulphide	1.7	34	H2S	7783-06-4
R2855	1.31	T	Carbonyl sulphide	51.8	60	COS	463-58-1

Sample No: T09-2855

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-G-AM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1532 User Sample No: T6-G-AM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 14:25							
R2855	6.35	T	Dimethyl sulphide	340.0	62	C2H6S	75-18-3
R2855	6.71	T	Carbon disulphide	112.0	76	CS2	75-15-0
R2855	9.17	T	Propyl mercaptan	12.7	76	C3H8S	107-03-9
R2855	10.63	T	Thiophene	33.1	84	C4H4S	110-02-1
R2855	10.85	T	Isobutyl mercaptan	193.0	90	C4H10S	513-44-0
R2855	11.38	T	Ethyl sulphide	12.7	90	C4H10S	352-93-2
R2855	11.87	T	Butyl mercaptan	8.8	98	C4H10S	109-79-5
R2855	12.54	T	Dimethyl disulphide	5.3	94	C2H6S2	624-92-0
R2855	13.40	T	2-methyl Thiophene	83.9	98	C5H6S	554-14-3
R2855	13.58	T	3-methyl Thiophene	74.9	98	C5H6S	616-44-4
sum:				930			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 22-SEP-2009 16:47							
V2855	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2855	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2855	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2855	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2855	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2855	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2855	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2855	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2855	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2855	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2855	0.00	T	1,4-Dichlorobenzene	735.8	146	C6H4Cl2	106-46-7
V2855	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2855	2.49	T	Isobutane	8,240.0	58	C4H10	75-28-5
V2855	2.62	T	Vinyl chloride	2,470.0	63	C2H3Cl	75-01-4
V2855	2.66	T	1-Butene	1,080.0	56	C4H8	106-98-9
V2855	2.68	T	Butane	2,770.0	58	C4H10	106-97-8
V2855	2.78	T	trans-2-Butene	211.0	56	C4H8	624-64-6
V2855	2.88	T	cis-2-Butene	177.0	56	C4H8	590-18-1
V2855	3.13	T	3-Methyl-1-butene	113.0	70	C5H10	563-45-1
V2855	3.27	T	Isopentane	9,030.0	72	C5H12	78-78-4
V2855	3.48	T	1-Pentene	71.8	70	C5H10	109-67-1
V2855	3.56	T	Pentane	3,060.0	72	C5H12	109-66-0
V2855	3.67	M	Acetone	582.0	58	C3H6O	67-64-1
V2855	3.70	T	Isoprene	109.0	68	C5H8	78-79-5
V2855	3.70	T	trans-2-Pentene	65.9	70	C5H10	646-04-8
V2855	3.80	T	cis-2-Pentene	38.8	70	C5H10	627-20-3
V2855	3.82	T	1,1-Dichloroethylene	54.0	96	C2H2Cl2	75-35-4
V2855	3.86	T	2-Methyl-2-butene	176.0	70	C5H10	563-46-2
V2855	4.00	T	2,2-Dimethylbutane	345.0	86	C6H14	75-83-2
V2855	4.06	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2855	4.33	T	Cyclopentene	17.5	68	C5H8	142-29-0
V2855	4.34	T	4-Methyl-1-pentene	30.5	84	C6H12	691-37-2
V2855	4.43	T	2,3-Dimethylbutane	337.0	86	C6H14	79-29-8
V2855	4.46	T	Cyclopentane	1,280.0	70	C5H10	287-92-3

Sample No: T09-2855

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-G-AM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1532 User Sample No: T6-G-AM

FILE	SubGroup: voc			Concentration		MW	MolFormula	CAS
	RT	MQ	NAME	ppbv				
Analysis Date: 22-SEP-2009 16:47								
V2855	4.49	T	2-Methylpentane	1,700.0		86	C6H14	107-83-5
V2855	4.71	T	3-Methylpentane	2,050.0		86	C6H14	96-14-0
V2855	4.85	T	2-Methyl-1-pentene	84.5		84	C6H12	763-29-1
V2855	4.98	T	Hexane	6,110.0		86	C6H14	110-54-3
V2855	5.06	M	MEK	804.0		72	C4H8O	78-93-3
V2855	5.16	97	Ethene, 1,2-dichloro-, (Z)-	867.0		96	C2H2Cl2	156-59-2
V2855	5.45	T	Methylcyclopentane	1,390.0		84	C6H12	96-37-7
V2855	6.01	T	Cyclohexane	1,630.0		84	C6H12	110-82-7
V2855	6.02	T	Benzene	810.0		78	C6H6	71-43-2
V2855	6.06	T	2-Methylhexane	1,350.0		100	C7H16	591-76-4
V2855	6.10	T	2,3-Dimethylpentane	619.0		100	C7H16	565-59-3
V2855	6.20	T	3-Methylhexane	1,860.0		100	C7H16	589-34-4
V2855	6.40	T	2,2,4-Trimethylpentane	617.0		114	C8H18	540-84-1
V2855	6.60	T	Heptane	2,100.0		100	C7H16	142-82-5
V2855	6.63	T	Trichloroethylene	237.0		131	C2HCl3	79-01-6
V2855	7.01	T	Methylcyclohexane	1,450.0		98	C7H14	108-87-2
V2855	7.42	T	2,3,4-Trimethylpentane	304.0		114	C8H18	565-75-3
V2855	7.65	T	2-Methylheptane	470.0		114	C8H18	592-27-8
V2855	7.74	T	Toluene	23,500.0		92	C7H8	108-88-3
V2855	7.77	T	3-Methylheptane	332.0		114	C8H18	589-81-1
V2855	7.90	95	Cyclohexane, 1,3-dimethyl-,	783.0		112	C8H16	638-04-0
V2855	8.18	T	Octane	963.0		114	C8H18	111-65-9
V2855	8.41	T	Tetrachloroethylene	269.0		166	C2Cl4	127-18-4
V2855	8.72	76	Cyclohexane, 1,2,4-trimethyl	610.0		126	C9H18	2234-75-5
V2855	8.77	97	Cyclohexane, ethyl-	439.0		112	C8H16	1678-91-7
V2855	8.82	97	Cyclohexane, 1,1,3-trimethyl	360.0		126	C9H18	3073-66-3
V2855	8.95	I	Chlorobenzene-d5	.0		112	C6D5Cl	3114-55-4
V2855	8.98	T	Chlorobenzene	58.7		113	C6H5Cl	108-90-7
V2855	9.04	96	Cyclohexane, 1,2,4-trimethyl	726.0		126	C9H18	7667-60-9
V2855	9.14	64	Octane, 2-methyl-	814.0		128	C9H20	3221-61-2
V2855	9.20	T	Ethyl benzene	8,860.0		106	C8H10	100-41-4
V2855	9.25	91	Octane, 3-methyl-	639.0		128	C9H20	2216-33-3
V2855	9.31	T	m,p-Xylene	7,830.0		106	C8H10	108-38-3 / 106-42-3
V2855	9.52	60	1-Hexene, 2-methyl-	582.0		98	C7H14	6094-02-6
V2855	9.57	95	1-Ethyl-4-methylcyclohexane	522.0		126	C9H18	3728-56-1
V2855	9.63	T	Styrene	795.0		104	C8H8	100-42-5
V2855	9.65	T	Nonane	1,990.0		128	C9H20	111-84-2
V2855	9.67	T	o-Xylene	4,020.0		106	C8H10	95-47-6
V2855	9.84	50	5-UNDECENE, 4-METHYL-, CIS/	466.0		168	C12H24	0-00-0
V2855	9.86	90	cis-1-Ethyl-3-methyl-cyclohexane	535.0		126	C9H18	19489-10-2
V2855	9.90	47	Decane, 2,5,6-trimethyl-	442.0		184	C13H28	62108-23-0
V2855	10.11	T	Isopropylbenzene	389.0		120	C9H12	98-82-8
V2855	10.19	87	Cyclohexane, propyl-	1,100.0		126	C9H18	1678-92-8
V2855	10.27	T	alpha Pinene	5,190.0		136	C10H16	80-56-8
V2855	10.43	49	Hexane, 3-ethyl-2,5-dimethyl	674.0		142	C10H22	52897-04-8
V2855	10.52	T	n-Propylbenzene	458.0		120	C9H12	103-65-1
V2855	10.62	94	Benzene, 1-ethyl-3-methyl-	3,540.0		120	C9H12	620-14-4
V2855	10.71	T	1,3,5-Trimethylbenzene	547.0		120	C9H12	108-67-8
V2855	10.89	T	beta Pinene	1,750.0		136	C10H16	18172-67-3
V2855	10.97	53	Undecane, 3-methyl-	588.0		170	C12H26	1002-43-3

Sample No: T09-2855

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-G-AM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1532 User Sample No: T6-G-AM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS
SubGroup: voc						
Analysis Date: 22-SEP-2009 16:47						
V2855	11.01	97	Decane	3,800.0	142	C10H22 124-18-5
V2855	11.07	T	1,2,4-Trimethylbenzene	1,390.0	120	C9H12 95-63-6
V2855	11.21	50	Decane, 2,5,6-trimethyl-	398.0	184	C13H28 62108-23-0
V2855	11.31	93	delta-3-carene	1,560.0	136	C10H16 0-00-0
V2855	11.34	72	Dodecane, 2,2,11,11-tetrame	1,450.0	226	C16H34 127204-12-0
V2855	11.46	95	Benzene, 1-methyl-2-(1-meth	9,150.0	134	C10H14 527-84-4
V2855	11.53	99	dl-Limonene	7,610.0	136	C10H16 138-86-3
V2855	11.75	52	Hexyl octyl ether	363.0	214	C14H30O 17071-54-4
V2855	11.80	47	Hexane, 2,2,5,5-tetramethyl	883.0	142	C10H22 1071-81-4
V2855	11.87	53	N-NONANE-5C13	759.0	129	C9H20 0-00-0
V2855	12.05	50	Octane, 3-ethyl-	896.0	142	C10H22 5881-17-4
V2855	12.27	95	Undecane	2,210.0	156	C11H24 1120-21-4
sum:				155,688		

Sample No: T09-2856 Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-8-NOON
 SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: 2478 User Sample No: T4-8-NOON

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 16:04							
G2856	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2856	1.44	T	Carbon dioxide	28.5	44	CO2	124-38-9
G2856	3.35	T	Oxygen	5.6	32	O2	7782-44-7
G2856	6.15	T	Nitrogen	24.5	28	N2	7727-37-9
				sum:	59		

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 00:00							
c2856	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2856	0.00	T	Butane	0.0	58	C4H10	106-97-8
c2856	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2856	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2856	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2856	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2856	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2856	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2856	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2856	1.71	T	Methane	467,000.0	16	CH4	74-82-8
c2856	2.18	T	Ethane	4.7	30	C2H6	74-84-0
c2856	2.85	T	Ethylene	4.7	28	C2H4	74-85-1
c2856	4.18	T	Propane	9.1	44	C3H8	74-98-6
c2856	6.52	T	Propylene	2.3	42	C3H6	115-07-1
c2856	7.76	T	Isobutane	2.8	58	C4H10	75-28-5
				sum:	467,024		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 14:46							
R2856	0.00	T	Hydrogen sulphide	0.0	34	H2S	7783-06-4
R2856	0.00	T	Carbonyl sulphide	0.0	60	COS	463-58-1
R2856	0.00	T	Sulphur dioxide	0.0	64	SO2	7446-09-5
R2856	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2856	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2856	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2856	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2856	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2856	0.00	T	Allyl sulphide	0.0	114	C6H10S	592-88-1
R2856	0.00	T	2,5-dimethyl Thiophene	0.0	112	C6H8S	638-02-8
R2856	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2856	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2856	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2856	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2856	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2856	3.25	T	Methyl mercaptan	29.4	48	CH4S	74-93-1
R2856	5.82	T	Ethyl mercaptan	73.2	62	C2H6S	75-08-1
R2856	6.37	T	Dimethyl sulphide	79.8	62	C2H6S	75-18-3
R2856	6.74	T	Carbon disulphide	5.1	76	CS2	75-15-0

Sample No: T09-2856

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-8-NOON

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2478 User Sample No: T4-8-NOON

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 14:46							
R2856	7.50	T	Isopropyl mercaptan	748.0	76	C3H8S	75-33-2
R2856	8.62	T	tert-Butyl mercaptan	131.0	90	C4H10S	75-66-1
R2856	9.00	T	Propyl mercaptan	40.1	76	C3H8S	107-03-9
R2856	9.19	T	Ethyl methyl sulphide	8.1	76	C3H8S	624-89-5
R2856	10.63	T	Thiophene	652.0	84	C4H4S	110-02-1
R2856	10.86	T	Isobutyl mercaptan	130.0	90	C4H10S	513-44-0
R2856	11.87	T	Butyl mercaptan	12.3	98	C4H10S	109-79-5
R2856	12.55	T	Dimethyl disulphide	4.5	94	C2H6S2	624-92-0
R2856	13.41	T	2-methyl Thiophene	86.2	98	C5H6S	554-14-3
R2856	13.60	T	3-methyl Thiophene	41.8	98	C5H6S	616-44-4
sum:				2,042			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 22-SEP-2009 17:26							
V2856	0.00	T	Cyclopentene	0.0	68	C5H8	142-29-0
V2856	0.00	T	4-Methyl-1-pentene	0.0	84	C6H12	691-37-2
V2856	0.00	T	Cyclopentane	0.0	70	C5H10	287-92-3
V2856	0.00	T	2-Methyl-1-pentene	0.0	84	C6H12	763-29-1
V2856	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2856	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2856	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2856	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2856	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2856	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2856	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2856	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2856	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2856	0.00	T	1,1,1,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2856	0.00	T	1,4-Dichlorobenzene	903.4	146	C6H4Cl2	106-46-7
V2856	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2856	2.51	T	Isobutane	3,110.0	58	C4H10	75-28-5
V2856	2.63	T	Vinyl chloride	2,410.0	63	C2H3Cl	75-01-4
V2856	2.67	T	1-Butene	1,080.0	56	C4H8	106-98-9
V2856	2.69	T	Butane	1,210.0	58	C4H10	106-97-8
V2856	2.79	T	trans-2-Butene	186.0	56	C4H8	624-64-6
V2856	2.90	T	cis-2-Butene	329.0	56	C4H8	590-18-1
V2856	3.15	T	3-Methyl-1-butene	94.9	70	C5H10	563-45-1
V2856	3.28	T	Isopentane	1,580.0	72	C5H12	78-78-4
V2856	3.48	T	1-Pentene	74.1	70	C5H10	109-67-1
V2856	3.57	T	Pentane	798.0	72	C5H12	109-66-0
V2856	3.71	T	Isoprene	76.3	68	C5H8	78-79-5
V2856	3.71	T	trans-2-Pentene	53.4	70	C5H10	646-04-8
V2856	3.73	M	MEK	326.0	72	C4H8O	78-93-3
V2856	3.73	M	Acetone	498.0	58	C3H6O	67-64-1
V2856	3.81	T	cis-2-Pentene	34.3	70	C5H10	627-20-3
V2856	3.83	T	1,1-Dichloroethylene	43.4	96	C2H2Cl2	75-35-4
V2856	3.87	T	2-Methyl-2-butene	152.0	70	C5H10	563-46-2
V2856	4.00	T	2,2-Dimethylbutane	134.0	86	C6H14	75-83-2

Sample No: T09-2856

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-8-NOON

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2478 User Sample No: T4-8-NOON

FILE	SubGroup: voc			Concentration			
	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 17:26							
V2856	4.06	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2856	4.43	T	2,3-Dimethylbutane	119.0	86	C6H14	79-29-8
V2856	4.49	T	2-Methylpentane	582.0	86	C6H14	107-83-5
V2856	4.71	T	3-Methylpentane	668.0	86	C6H14	96-14-0
V2856	4.98	T	Hexane	1,830.0	86	C6H14	110-54-3
V2856	5.16	97	Ethene, 1,2-dichloro-, (Z)-	1,080.0	96	C2H2Cl2	156-59-2
V2856	5.45	T	Methylcyclopentane	457.0	84	C6H12	96-37-7
V2856	6.01	T	Cyclohexane	1,100.0	84	C6H12	110-82-7
V2856	6.02	T	Benzene	517.0	78	C6H6	71-43-2
V2856	6.06	T	2-Methylhexane	817.0	100	C7H16	591-76-4
V2856	6.10	T	2,3-Dimethylpentane	467.0	100	C7H16	565-59-3
V2856	6.20	T	3-Methylhexane	1,340.0	100	C7H16	589-34-4
V2856	6.40	T	2,2,4-Trimethylpentane	683.0	114	C8H18	540-84-1
V2856	6.60	T	Heptane	1,780.0	100	C7H16	142-82-5
V2856	6.63	T	Trichloroethylene	109.0	131	C2HCl3	79-01-6
V2856	7.01	T	Methylcyclohexane	1,530.0	98	C7H14	108-87-2
V2856	7.42	T	2,3,4-Trimethylpentane	309.0	114	C8H18	565-75-3
V2856	7.65	T	2-Methylheptane	523.0	114	C8H18	592-27-8
V2856	7.73	T	Toluene	20,200.0	92	C7H8	108-88-3
V2856	7.77	T	3-Methylheptane	380.0	114	C8H18	589-81-1
V2856	7.90	94	Cyclohexane, 1,3-dimethyl-,	959.0	112	C8H16	638-04-0
V2856	8.18	T	Octane	956.0	114	C8H18	111-65-9
V2856	8.41	T	Tetrachloroethylene	111.0	166	C2Cl4	127-18-4
V2856	8.72	86	Cyclohexane, 1,2,3-trimethyl	749.0	126	C9H18	1678-81-5
V2856	8.77	97	Cyclohexane, ethyl-	537.0	112	C8H16	1678-91-7
V2856	8.95	I	Chlorobenzene-d5	.0	112	C6D5Cl	3114-55-4
V2856	8.99	T	Chlorobenzene	136.0	113	C6H5Cl	108-90-7
V2856	9.04	93	Cyclohexane, 1,2,4-trimethyl	814.0	126	C9H18	7667-60-9
V2856	9.14	72	Octane, 4-methyl-	999.0	128	C9H20	2216-34-4
V2856	9.20	T	Ethyl benzene	8,370.0	106	C8H10	100-41-4
V2856	9.25	90	Octane, 3-methyl-	831.0	128	C9H20	2216-33-3
V2856	9.31	T	m,p-Xylene	8,490.0	106	C8H10	108-38-3 / 106-42-3
V2856	9.52	93	Cyclopentane, 1-methyl-2-pr	810.0	126	C9H18	3728-57-2
V2856	9.57	95	1-Ethyl-4-methylcyclohexane	696.0	126	C9H18	3728-56-1
V2856	9.63	T	Styrene	287.0	104	C8H8	100-42-5
V2856	9.65	T	Nonane	2,440.0	128	C9H20	111-84-2
V2856	9.67	T	o-Xylene	4,510.0	106	C8H10	95-47-6
V2856	9.83	58	1R,2T,4C,5C-1,2,4,5-TETRAM	693.0	140	C10H20	19899-40-2
V2856	9.86	90	1-Ethyl-4-methylcyclohexane	708.0	126	C9H18	3728-56-1
V2856	9.90	59	Ether, heptyl hexyl	625.0	200	C13H28O	7289-40-9
V2856	10.00	83	Octane, 3,5-dimethyl-	505.0	142	C10H22	15869-93-9
V2856	10.11	T	Isopropylbenzene	518.0	120	C9H12	98-82-8
V2856	10.19	87	Cyclohexane, propyl-	1,660.0	126	C9H18	1678-92-8
V2856	10.27	T	alpha Pinene	4,340.0	136	C10H16	80-56-8
V2856	10.43	86	Undecane, 5,6-dimethyl-	1,150.0	184	C13H28	17615-91-7
V2856	10.52	T	n-Propylbenzene	505.0	120	C9H12	103-65-1
V2856	10.62	93	Benzene, 1-ethyl-2-methyl-	5,200.0	120	C9H12	611-14-3
V2856	10.71	T	1,3,5-Trimethylbenzene	665.0	120	C9H12	108-67-8
V2856	10.82	47	Ethylpropylcyclopentane	602.0	140	C10H20	0-00-0
V2856	10.90	T	beta Pinene	1,170.0	136	C10H16	18172-67-3

Sample No: T09-2856

Comments: Genivar~ St-Nicephore Landfill T4000 Outlet- T4-8-NOON

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2478 User Sample No: T4-8-NOON

FILE	RT	MO	NAME	Concentration ppbv	MW	MolFormula	CAS

Analysis Date: 22-SEP-2009 17:26							
V2856	11.01	97	Decane	6,070.0	142	C10H22	124-18-5
V2856	11.07	T	1,2,4-Trimethylbenzene	1,690.0	120	C9H12	95-63-6
V2856	11.20	52	Hexane, 2,4-dimethyl-	710.0	114	C8H18	589-43-5
V2856	11.31	93	Decane, 4-methyl-	2,510.0	156	C11H24	2847-72-5
V2856	11.34	72	Heptane, 2,2,4,6,6-pentamet	2,130.0	170	C12H26	13475-82-6
V2856	11.46	95	Benzene, 1-methyl-2-(1-meth	12,400.0	134	C10H14	527-84-4
V2856	11.53	99	dl-Limonene	7,570.0	136	C10H16	138-86-3
V2856	11.75	58	Decane, 5-methyl-	561.0	156	C11H24	13151-35-4
V2856	11.80	43	Hexane, 2,2,5,5-tetramethyl	1,420.0	142	C10H22	1071-81-4
V2856	11.87	43	Heptane, 2,2-dimethyl-	1,120.0	128	C9H20	1071-26-7
V2856	12.05	64	Heptane, 2,4-dimethyl-	1,500.0	128	C9H20	2213-23-2
V2856	12.27	95	Undecane	3,630.0	156	C11H24	1120-21-4
V2856	12.48	58	Nonane, 3-methyl-	672.0	142	C10H22	5911-04-6
sum:				139,603			

Sample No: T09-2857

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-9-PM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1684 User Sample No: T4-9-PM

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 24-SEP-2009 11:37							
G2857	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2857	1.43	T	Carbon dioxide	32.4	44	CO2	124-38-9
G2857	3.35	T	Oxygen	3.6	32	O2	7782-44-7
G2857	6.16	T	Nitrogen	17.5	28	N2	7727-37-9
				sum:	53		

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 00:00							
c2857	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2857	0.00	T	Butane	0.0	58	C4H10	106-97-8
c2857	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2857	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2857	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2857	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2857	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2857	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2857	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2857	1.72	T	Methane	503,000.0	16	CH4	74-82-8
c2857	2.19	T	Ethane	4.0	30	C2H6	74-84-0
c2857	2.87	T	Ethylene	4.7	28	C2H4	74-85-1
c2857	4.21	T	Propane	9.5	44	C3H8	74-98-6
c2857	6.55	T	Propylene	3.2	42	C3H6	115-07-1
c2857	7.79	T	Isobutane	2.8	58	C4H10	75-28-5
				sum:	503,024		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 15:13							
R2857	0.00	T	Sulphur dioxide	0.0	64	S02	7446-09-5
R2857	0.00	T	Methyl mercaptan	0.0	48	CH4S	74-93-1
R2857	0.00	T	Ethyl mercaptan	0.0	62	C2H6S	75-08-1
R2857	0.00	T	Isopropyl mercaptan	0.0	76	C3H8S	75-33-2
R2857	0.00	T	Propyl mercaptan	0.0	76	C3H8S	107-03-9
R2857	0.00	T	Ethyl methyl sulphide	0.0	76	C3H8S	624-89-5
R2857	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2857	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2857	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2857	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2857	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2857	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2857	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2857	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2857	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2857	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2857	.99	T	Hydrogen sulphide	5.1	34	H2S	7783-06-4
R2857	1.32	T	Carbonyl sulphide	24.4	60	COS	463-58-1
R2857	6.35	T	Dimethyl sulphide	94.0	62	C2H6S	75-18-3

Sample No: T09-2857

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-9-PM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1684 User Sample No: T4-9-PM

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 15:13							
R2857	6.72	T	Carbon disulphide	8.1	76	CS2	75-15-0
R2857	8.60	T	tert-Butyl mercaptan	3.1	90	C4H10S	75-66-1
R2857	10.62	T	Thiophene	44.3	84	C4H4S	110-02-1
R2857	10.85	T	Isobutyl mercaptan	173.0	90	C4H10S	513-44-0
R2857	11.87	T	Butyl mercaptan	5.4	98	C4H10S	109-79-5
R2857	12.53	T	Dimethyl disulphide	5.3	94	C2H6S2	624-92-0
R2857	13.40	T	2-methyl Thiophene	66.7	98	C5H6S	554-14-3
R2857	13.59	T	3-methyl Thiophene	52.0	98	C5H6S	616-44-4
R2857	15.54	T	Allyl sulphide	6.8	114	C6H10S	592-88-1
R2857	15.65	T	2,5-dimethyl Thiophene	9.2	112	C6H8S	638-02-8
sum:				497			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 23-SEP-2009 11:14							
V2857	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2857	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2857	0.00	T	2,4-Dimethylpentane	0.0	100	C7H16	108-08-7
V2857	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2857	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2857	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2857	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2857	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2857	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2857	0.00	T	1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2857	0.00	T	1,4-Dichlorobenzene	798.5	146	C6H4Cl2	106-46-7
V2857	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2857	2.50	T	Isobutane	3,320.0	58	C4H10	75-28-5
V2857	2.63	T	Vinyl chloride	2,480.0	63	C2H3Cl	75-01-4
V2857	2.66	T	1-Butene	1,020.0	56	C4H8	106-98-9
V2857	2.69	T	Butane	1,310.0	58	C4H10	106-97-8
V2857	2.79	T	trans-2-Butene	176.0	56	C4H8	624-64-6
V2857	2.89	T	cis-2-Butene	129.0	56	C4H8	590-18-1
V2857	3.15	T	3-Methyl-1-butene	104.0	70	C5H10	563-45-1
V2857	3.28	T	Isopentane	1,650.0	72	C5H12	78-78-4
V2857	3.48	T	1-Pentene	88.0	70	C5H10	109-67-1
V2857	3.57	T	Pentane	837.0	72	C5H12	109-66-0
V2857	3.69	M	Acetone	567.0	58	C3H6O	67-64-1
V2857	3.71	T	Isoprene	62.0	68	C5H8	78-79-5
V2857	3.71	T	trans-2-Pentene	53.0	70	C5H10	646-04-8
V2857	3.81	T	cis-2-Pentene	30.9	70	C5H10	627-20-3
V2857	3.83	T	1,1-Dichloroethylene	50.5	96	C2H2Cl2	75-35-4
V2857	3.87	T	2-Methyl-2-butene	173.0	70	C5H10	563-46-2
V2857	4.01	T	2,2-Dimethylbutane	142.0	86	C6H14	75-83-2
V2857	4.07	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2857	4.34	T	Cyclopentene	10.9	68	C5H8	142-29-0
V2857	4.36	T	4-Methyl-1-pentene	26.0	84	C6H12	691-37-2
V2857	4.43	T	2,3-Dimethylbutane	134.0	86	C6H14	79-29-8
V2857	4.46	T	Cyclopentane	101.0	70	C5H10	287-92-3

Sample No: T09-2857

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-9-PM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1684 User Sample No: T4-9-PM

FILE	SubGroup: voc			Concentration			
	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 23-SEP-2009 11:14							
V2857	4.50	T	2-Methylpentane	668.0	86	C6H14	107-83-5
V2857	4.71	T	3-Methylpentane	720.0	86	C6H14	96-14-0
V2857	4.85	T	2-Methyl-1-pentene	50.3	84	C6H12	763-29-1
V2857	4.98	T	Hexane	2,040.0	86	C6H14	110-54-3
V2857	5.09	M	MEK	489.0	72	C4H8O	78-93-3
V2857	5.16	97	Ethene, 1,2-dichloro-, (Z)-	1,030.0	96	C2H2Cl2	156-59-2
V2857	5.45	T	Methylcyclopentane	502.0	84	C6H12	96-37-7
V2857	6.01	T	Cyclohexane	765.0	84	C6H12	110-82-7
V2857	6.03	T	Benzene	490.0	78	C6H6	71-43-2
V2857	6.06	T	2-Methylhexane	615.0	100	C7H16	591-76-4
V2857	6.10	T	2,3-Dimethylpentane	296.0	100	C7H16	565-59-3
V2857	6.21	T	3-Methylhexane	974.0	100	C7H16	589-34-4
V2857	6.41	T	2,2,4-Trimethylpentane	736.0	114	C8H18	540-84-1
V2857	6.60	T	Heptane	1,270.0	100	C7H16	142-82-5
V2857	6.64	T	Trichloroethylene	125.0	131	C2HCl3	79-01-6
V2857	7.02	T	Methylcyclohexane	1,490.0	98	C7H14	108-87-2
V2857	7.42	T	2,3,4-Trimethylpentane	324.0	114	C8H18	565-75-3
V2857	7.65	T	2-Methylheptane	552.0	114	C8H18	592-27-8
V2857	7.74	T	Toluene	20,200.0	92	C7H8	108-88-3
V2857	7.78	T	3-Methylheptane	388.0	114	C8H18	589-81-1
V2857	7.90	95	Cyclohexane, 1,3-dimethyl-, cis-	860.0	112	C8H16	638-04-0
V2857	8.18	T	Octane	1,030.0	114	C8H18	111-65-9
V2857	8.42	T	Tetrachloroethylene	115.0	166	C2Cl4	127-18-4
V2857	8.72	76	Cyclohexane, 1,2,4-trimethyl-	653.0	126	C9H18	2234-75-5
V2857	8.78	97	Cyclohexane, ethyl-	481.0	112	C8H16	1678-91-7
V2857	8.96	I	Chlorobenzene-d5	.0	112	C6D5Cl	3114-55-4
V2857	8.99	T	Chlorobenzene	122.0	113	C6H5Cl	108-90-7
V2857	9.05	96	Cyclohexane, 1,2,4-trimethyl-, (1.alpha.	722.0	126	C9H18	7667-60-9
V2857	9.15	72	Octane, 4-methyl-	865.0	128	C9H20	2216-34-4
V2857	9.20	T	Ethyl benzene	8,080.0	106	C8H10	100-41-4
V2857	9.26	91	Octane, 3-methyl-	709.0	128	C9H20	2216-33-3
V2857	9.31	T	m,p-Xylene	7,940.0	106	C8H10	108-38-3 / 106-42-3
V2857	9.53	60	Cyclohexane, 1,2,4-trimethyl-	705.0	126	C9H18	2234-75-5
V2857	9.58	95	1-Ethyl-3-methylcyclohexane (c,t)	610.0	126	C9H18	3728-55-0
V2857	9.64	T	Styrene	307.0	104	C8H8	100-42-5
V2857	9.65	T	Nonane	2,290.0	128	C9H20	111-84-2
V2857	9.67	T	o-Xylene	4,500.0	106	C8H10	95-47-6
V2857	9.84	49	Cyclohexane, 1,2,3-trimethyl-, (1.alpha.	598.0	126	C9H18	7667-55-2
V2857	9.87	87	1-Ethyl-4-methylcyclohexane	547.0	126	C9H18	3728-56-1
V2857	9.91	52	Hexane, 2,4-dimethyl-	485.0	114	C8H18	589-43-5
V2857	10.01	90	Octane, 2,5-dimethyl-	402.0	142	C10H22	15869-89-3
V2857	10.08	53	Bicyclo[3.3.1]nonane	656.0	124	C9H16	280-65-9
V2857	10.11	T	Isopropylbenzene	503.0	120	C9H12	98-82-8
V2857	10.19	87	Cyclohexane, propyl-	1,360.0	126	C9H18	1678-92-8
V2857	10.27	T	alpha Pinene	4,230.0	136	C10H16	80-56-8
V2857	10.44	86	Undecane, 5,6-dimethyl-	877.0	184	C13H28	17615-91-7
V2857	10.52	T	n-Propylbenzene	542.0	120	C9H12	103-65-1
V2857	10.62	94	Benzene, 1-ethyl-3-methyl-	4,230.0	120	C9H12	620-14-4
V2857	10.71	T	1,3,5-Trimethylbenzene	621.0	120	C9H12	108-67-8
V2857	10.90	T	beta Pinene	1,060.0	136	C10H16	18172-67-3

Sample No: T09-2857

Comments: Genivar- St-Nicephore Landfill T4000 Outlet- T4-9-PM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 1584 User Sample No: T4-9-PM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS

Analysis Date: 23-SEP-2009 11:14						
V2857	11.01	95	Decane	4,750.0	142	C10H22 124-18-5
V2857	11.08	T	1,2,4-Trimethylbenzene	1,560.0	120	C9H12 95-63-6
V2857	11.21	43	Hexane, 2,4-dimethyl-	580.0	114	C8H18 589-43-5
V2857	11.31	93	Decane, 4-methyl-	1,910.0	156	C11H24 2847-72-5
V2857	11.35	72	Heptane, 2,2,4,6,6-pentamethyl-	1,860.0	170	C12H26 13475-82-6
V2857	11.47	95	Benzene, 1-methyl-2-(1-methylethyl)-	10,200.0	134	C10H14 527-84-4
V2857	11.53	99	dl-Limonene	6,650.0	136	C10H16 138-86-3
V2857	11.75	58	Decane, 5-methyl-	431.0	156	C11H24 13151-35-4
V2857	11.81	53	Heptane, 5-ethyl-2,2,3-trimethyl-	1,050.0	170	C12H26 62199-06-8
V2857	11.88	47	Decane, 2,5,6-trimethyl-	864.0	184	C13H28 62108-23-0
V2857	12.06	64	Hydroxylamine, O-decyl-	1,130.0	173	C10H23NO 29812-79-1
V2857	12.28	95	Undecane	2,730.0	156	C11H24 1120-21-4
V2857	12.48	64	Dodecane	443.0	170	C12H26 112-40-3
sum:				127,245		

Sample No: T09-2858

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-H-NOON

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2495 User Sample No: T6-H-NOON

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 24-SEP-2009 11:53							
G2858	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2858	1.41	T	Carbon dioxide	35.5	44	CO2	124-38-9
G2858	3.35	T	Oxygen	1.5	32	O2	7782-44-7
G2858	6.16	T	Nitrogen	8.8	28	N2	7727-37-9
				sum:	46		

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 00:00							
c2858	0.00	T	Ethane	0.0	30	C2H6	74-84-0
c2858	0.00	T	Propylene	0.0	42	C3H6	115-07-1
c2858	0.00	T	Isobutane	0.0	58	C4H10	75-28-5
c2858	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2858	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2858	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2858	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2858	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2858	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2858	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2858	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2858	1.72	T	Methane	515,000.0	16	CH4	74-82-8
c2858	2.87	T	Ethylene	5.4	28	C2H4	74-85-1
c2858	4.21	T	Propane	11.5	44	C3H8	74-98-6
c2858	8.21	T	Butane	2.6	58	C4H10	106-97-8
				sum:	515,020		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 15:34							
R2858	0.00	T	Sulphur dioxide	0.0	64	S02	7446-09-5
R2858	0.00	T	Methyl mercaptan	0.0	48	CH4S	74-93-1
R2858	0.00	T	Ethyl mercaptan	0.0	62	C2H6S	75-08-1
R2858	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2858	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2858	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2858	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2858	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2858	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2858	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2858	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2858	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1
R2858	0.00	T	Octyl mercaptan	0.0	146	C8H18S	111-88-6
R2858	.97	T	Hydrogen sulphide	2.1	34	H2S	7783-06-4
R2858	1.29	T	Carbonyl sulphide	55.3	60	COS	463-58-1
R2858	6.36	T	Dimethyl sulphide	391.0	62	C2H6S	75-18-3
R2858	6.73	T	Carbon disulphide	124.0	76	CS2	75-15-0
R2858	7.49	T	Isopropyl mercaptan	230.0	76	C3H8S	75-33-2
R2858	8.60	T	tert-Butyl mercaptan	58.0	90	C4H10S	75-66-1

Sample No: T09-2858

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-H-NOON

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2495 User Sample No: T6-H-NOON

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 17-SEP-2009 15:34							
R2858	9.02	T	Propyl mercaptan	2.4	76	C3H8S	107-03-9
R2858	9.20	T	Ethyl methyl sulphide	11.5	76	C3H8S	624-89-5
R2858	10.63	T	Thiophene	232.0	84	C4H4S	110-02-1
R2858	10.86	T	Isobutyl mercaptan	237.0	90	C4H10S	513-44-0
R2858	11.88	T	Butyl mercaptan	10.1	98	C4H10S	109-79-5
R2858	12.54	T	Dimethyl disulphide	7.7	94	C2H6S2	624-92-0
R2858	13.40	T	2-methyl Thiophene	59.3	98	C5H6S	554-14-3
R2858	13.59	T	3-methyl Thiophene	71.4	98	C5H6S	616-44-4
R2858	15.56	T	Allyl sulphide	4.9	114	C6H10S	592-88-1
R2858	15.67	T	2,5-dimethyl Thiophene	5.8	112	C6H8S	638-02-8
sum:				1,503			

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS
Analysis Date: 23-SEP-2009 11:50							
V2858	0.00	T	4-Methyl-1-pentene	0.0	84	C6H12	691-37-2
V2858	0.00	T	cis-2-Hexene	0.0	84	C6H12	7688-21-3
V2858	0.00	T	trans-2-Hexene	0.0	84	C6H12	4050-45-7
V2858	0.00	M	Acrylonitrile	0.0	53	C3H3N	107-13-1
V2858	0.00	T	Chloroethane	0.0	65	C2H5Cl	75-00-3
V2858	0.00	T	Carbon tetrachloride	0.0	154	CCl4	56-23-5
V2858	0.00	T	1,2-Dichloropropane	0.0	113	C3H6Cl2	78-87-5
V2858	0.00	T	1,1,2-Trichloroethane	0.0	132	C2H3Cl3	79-00-5
V2858	0.00	T	1,2-Dibromoethane	0.0	188	C2H4Br2	106-93-4
V2858	0.00	T	1,1,1,2,2-Tetrachloroethane	0.0	166	C2H2Cl4	79-34-5
V2858	0.00	T	1,4-Dichlorobenzene	330.2	146	C6H4Cl2	106-46-7
V2858	0.00	T	1,2-Dichlorobenzene	0.0	146	C6H4Cl2	95-50-1
V2858	2.50	T	Isobutane	4,690.0	58	C4H10	75-28-5
V2858	2.63	T	Vinyl chloride	1,360.0	63	C2H3Cl	75-01-4
V2858	2.66	T	1-Butene	651.0	56	C4H8	106-98-9
V2858	2.68	T	Butane	1,580.0	58	C4H10	106-97-8
V2858	2.78	T	trans-2-Butene	104.0	56	C4H8	624-64-6
V2858	2.88	T	cis-2-Butene	106.0	56	C4H8	590-18-1
V2858	3.14	T	3-Methyl-1-butene	57.1	70	C5H10	563-45-1
V2858	3.28	T	Isopentane	5,450.0	72	C5H12	78-78-4
V2858	3.48	T	1-Pentene	50.2	70	C5H10	109-67-1
V2858	3.57	T	Pentane	1,780.0	72	C5H12	109-66-0
V2858	3.68	M	Acetone	284.0	58	C3H6O	67-64-1
V2858	3.71	T	Isoprene	56.7	68	C5H8	78-79-5
V2858	3.71	T	trans-2-Pentene	39.8	70	C5H10	646-04-8
V2858	3.81	T	cis-2-Pentene	20.7	70	C5H10	627-20-3
V2858	3.83	T	1,1-Dichloroethylene	23.8	96	C2H2Cl2	75-35-4
V2858	3.87	T	2-Methyl-2-butene	96.0	70	C5H10	563-46-2
V2858	4.00	T	2,2-Dimethylbutane	198.0	86	C6H14	75-83-2
V2858	4.07	T	Methylene chloride	.0	84	CH2Cl2	75-09-2
V2858	4.34	T	Cyclopentene	9.3	68	C5H8	142-29-0
V2858	4.43	T	2,3-Dimethylbutane	210.0	86	C6H14	79-29-8
V2858	4.46	T	Cyclopentane	663.0	70	C5H10	287-92-3
V2858	4.50	T	2-Methylpentane	991.0	86	C6H14	107-83-5

Sample No: T09-2858

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-H-NOON

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2495 User Sample No: T6-H-NOON

SubGroup: voc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 23-SEP-2009 11:50							
V2858	4.72	T	3-Methylpentane	1,180.0	96	C6H14	96-14-0
V2858	4.84	T	2-Methyl-1-pentene	63.4	84	C6H12	763-29-1
V2858	4.98	T	Hexane	3,600.0	86	C6H14	110-54-3
V2858	5.07	M	MEK	395.0	72	C4H8O	78-93-3
V2858	5.16	97	Ethene, 1,2-dichloro-, (Z)-	357.0	96	C2H2Cl2	156-59-2
V2858	5.45	T	2,4-Dimethylpentane	181.0	100	C7H16	108-08-7
V2858	5.46	T	Methylcyclopentane	775.0	84	C6H12	96-37-7
V2858	6.01	T	Cyclohexane	1,030.0	84	C6H12	110-82-7
V2858	6.03	T	Benzene	430.0	78	C6H6	71-43-2
V2858	6.06	T	2-Methylhexane	828.0	100	C7H16	591-76-4
V2858	6.10	T	2,3-Dimethylpentane	374.0	100	C7H16	565-59-3
V2858	6.21	T	3-Methylhexane	1,260.0	100	C7H16	589-34-4
V2858	6.40	T	2,2,4-Trimethylpentane	331.0	114	C8H18	540-84-1
V2858	6.60	T	Heptane	1,310.0	100	C7H16	142-82-5
V2858	6.63	T	Trichloroethylene	113.0	131	C2HCl3	79-01-6
V2858	7.02	T	Methylcyclohexane	826.0	98	C7H14	108-87-2
V2858	7.42	T	2,3,4-Trimethylpentane	171.0	114	C8H18	565-75-3
V2858	7.51	90	Pentane, 2,3,3-trimethyl-	160.0	114	C8H18	560-21-4
V2858	7.65	T	2-Methylheptane	253.0	114	C8H18	592-27-8
V2858	7.74	T	Toluene	11,900.0	92	C7H8	108-88-3
V2858	7.77	T	3-Methylheptane	181.0	114	C8H18	589-81-1
V2858	7.90	97	Cyclohexane, 1,3-dimethyl-, cis-	418.0	112	C8H16	638-04-0
V2858	8.18	T	Octane	531.0	114	C8H18	111-65-9
V2858	8.42	T	Tetrachloroethylene	136.0	166	C2Cl4	127-18-4
V2858	8.62	83	Heptane, 2,6-dimethyl-	171.0	128	C9H20	1072-05-5
V2858	8.72	76	Cyclohexane, 1,2,4-trimethyl-	303.0	126	C9H18	2234-75-5
V2858	8.78	96	Cyclohexane, ethyl-	230.0	112	C8H16	1678-91-7
V2858	8.82	94	Cyclohexane, 1,1,3-trimethyl-	188.0	126	C9H18	3073-66-3
V2858	8.96	I	Chlorobenzene-d5	.0	112	C6D5Cl	3114-55-4
V2858	8.99	T	Chlorobenzene	28.6	113	C6H5Cl	108-90-7
V2858	9.05	96	Cyclohexane, 1,2,4-trimethyl-, (1.alpha.	368.0	126	C9H18	7667-60-9
V2858	9.15	59	Heptane, 2,3-dimethyl-	366.0	128	C9H20	3074-71-3
V2858	9.20	T	Ethyl benzene	4,640.0	106	C8H10	100-41-4
V2858	9.26	91	Octane, 3-methyl-	257.0	128	C9H20	2216-33-3
V2858	9.31	T	m,p-Xylene	4,030.0	106	C8H10	108-38-3 / 106-42-3
V2858	9.53	64	Cyclopentane, butyl-	222.0	126	C9H18	2040-95-1
V2858	9.63	T	Styrene	414.0	104	C8H8	100-42-5
V2858	9.65	T	Nonane	1,020.0	128	C9H20	111-84-2
V2858	9.67	T	o-Xylene	2,050.0	106	C8H10	95-47-6
V2858	9.84	58	Cyclohexane, 1,2,4-trimethyl-	222.0	126	C9H18	2234-75-5
V2858	9.87	90	1-Ethyl-4-methylcyclohexane	273.0	126	C9H18	3728-56-1
V2858	9.90	52	Hexane, 2,4-dimethyl-	244.0	114	C8H18	589-43-5
V2858	10.01	87	Octane, 2,5-dimethyl-	210.0	142	C10H22	15869-89-3
V2858	10.08	55	1H-Indene, octahydro-, cis-	285.0	124	C9H16	4551-51-3
V2858	10.11	T	Isopropylbenzene	185.0	120	C9H12	98-82-8
V2858	10.19	87	Cyclohexane, propyl-	656.0	126	C9H18	1678-92-8
V2858	10.27	T	alpha Pinene	2,680.0	136	C10H16	80-56-8
V2858	10.43	64	Undecane, 5,6-dimethyl-	323.0	184	C13H28	17615-91-7
V2858	10.52	T	n-Propylbenzene	227.0	120	C9H12	103-65-1
V2858	10.62	94	Benzene, 1-ethyl-3-methyl-	1,680.0	120	C9H12	620-14-4

Sample No: T09-2858

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-H-NOON

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2495 User Sample No: T6-H-NOON

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS
SubGroup: voc						
Analysis Date: 23-SEP-2009 11:50						
V2858	10.71	T	1,3,5-Trimethylbenzene	261.0	120	C9H12 108-67-8
V2858	10.90	T	beta Pinene	957.0	136	C10H16 18172-67-3
V2858	11.01	95	Decane	1,740.0	142	C10H22 124-18-5
V2858	11.08	T	1,2,4-Trimethylbenzene	664.0	120	C9H12 95-63-6
V2858	11.21	46	Decane, 5-methyl-	169.0	156	C11H24 13151-35-4
V2858	11.31	93	delta-3-carene	731.0	136	C10H16 0-00-0
V2858	11.34	64	Octane, 2,2,6-trimethyl-	687.0	156	C11H24 62016-28-8
V2858	11.47	95	Benzene, 1-methyl-2-(1-methylethyl)- (CA	4,150.0	134	C10H14 527-84-4
V2858	11.53	99	dl-Limonene	3,470.0	136	C10H16 138-86-3
V2858	11.81	50	Hexane, 2,2,5-trimethyl-	439.0	128	C9H20 3522-94-9
V2858	11.87	50	Dodecane, 2,2,11,11-tetramethyl-	344.0	226	C16H34 127204-12-0
V2858	12.05	50	1-Undecene, 4-methyl-	412.0	168	C12H24 74630-39-0
V2858	12.27	95	Undecane	944.0	156	C11H24 1120-21-4
sum:				81,795		

Sample No: T09-2859

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-I-PM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2476 User Sample No: T6-I-PM

SubGroup: TCD				Concentration			
FILE	RT	MQ	NAME	percent	MW	MolFormula	CAS

Analysis Date: 24-SEP-2009 12:56							
G2859	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2859	1.40	T	Carbon dioxide	37.7	44	CO2	124-38-9
G2859	3.35	T	Oxygen	.9	32	O2	7782-44-7
G2859	6.17	T	Nitrogen	6.1	28	N2	7727-37-9
				sum:	45		

Analysis Date: 24-SEP-2009 13:10							
G2859Z	0.00	T	Carbon monoxide	0.0	28	CO	630-08-0
G2859Z	1.41	T	Carbon dioxide	37.5	44	CO2	124-38-9
G2859Z	3.35	T	Oxygen	.9	32	O2	7782-44-7
G2859Z	6.16	T	Nitrogen	6.1	28	N2	7727-37-9
				sum:	45		

SubGroup: c1c4				Concentration			
FILE	RT	MQ	NAME	ppmv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 00:00							
c2859	0.00	T	Acetylene	0.0	26	C2H2	74-86-2
c2859	0.00	T	trans-2-Butene	0.0	56	C4H8	624-64-6
c2859	0.00	T	1-Butene	0.0	56	C4H8	106-98-9
c2859	0.00	T	Isobutylene	0.0	56	C4H8	115-11-7
c2859	0.00	T	cis-2-Butene	0.0	56	C4H8	590-18-1
c2859	0.00	T	Propyne	0.0	40	C3H4	74-99-7
c2859	0.00	T	1,3-Butadiene	0.0	54	C4H6	106-99-0
c2859	0.00	T	Ethylacetylene	0.0	54	C4H6	107-00-6
c2859	1.73	T	Methane	552,000.0	16	CH4	74-82-8
c2859	2.21	T	Ethane	1.6	30	C2H6	74-84-0
c2859	2.89	T	Ethylene	6.0	28	C2H4	74-85-1
c2859	4.23	T	Propane	15.0	44	C3H8	74-98-6
c2859	6.57	T	Propylene	3.0	42	C3H6	115-07-1
c2859	7.80	T	Isobutane	9.6	58	C4H10	75-28-5
c2859	8.24	T	Butane	2.6	58	C4H10	106-97-8
				sum:	552,038		

SubGroup: rsc				Concentration			
FILE	RT	MQ	NAME	ppbv	MW	MolFormula	CAS

Analysis Date: 17-SEP-2009 16:16							
R2859A	0.00	T	Carbonyl sulphide	0.0	60	COS	463-58-1
R2859A	0.00	T	Sulphur dioxide	0.0	64	S02	7446-09-5
R2859A	0.00	T	sec-Butyl mercaptan	0.0	90	C4H10S	513-53-1
R2859A	0.00	T	Ethyl sulphide	0.0	90	C4H10S	352-93-2
R2859A	0.00	T	tert-Pentyl mercaptan	0.0	104	C5H12S	1679-09-0
R2859A	0.00	T	Pentyl mercaptan	0.0	104	C5H12S	110-66-7
R2859A	0.00	T	2-ethyl Thiophene	0.0	112	C6H8S	872-55-9
R2859A	0.00	T	Allyl sulphide	0.0	114	C6H10S	592-88-1
R2859A	0.00	T	2,5-dimethyl Thiophene	0.0	112	C6H8S	638-02-8
R2859A	0.00	T	Hexyl mercaptan	0.0	118	C6H14S	111-31-9
R2859A	0.00	T	Dimethyl trisulphide	0.0	126	C2H6S3	3658-80-8
R2859A	0.00	T	Heptyl mercaptan	0.0	132	C7H16S	1639-09-4
R2859A	0.00	T	Butyl sulphide	0.0	146	C8H18S	544-40-1

Sample No: T09-2859 Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-I-PM
 SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO
 Canister #: 2476 User Sample No: T6-I-PM

FILE	RT	MQ	NAME	Concentration		
				ppbv	MW	MolFormula CAS
SubGroup: voc						
Analysis Date: 23-SEP-2009 12:27						
V2859	3.87	T	2-Methyl-2-butene	210.0	70	C5H10 563-46-2
V2859	4.01	T	2,2-Dimethylbutane	402.0	86	C6H14 75-83-2
V2859	4.07	T	Methylene chloride	.0	84	CH2Cl2 75-09-2
V2859	4.34	T	Cyclopentene	20.2	68	C5H8 142-29-0
V2859	4.36	T	4-Methyl-1-pentene	27.0	84	C6H12 691-37-2
V2859	4.44	T	2,3-Dimethylbutane	382.0	86	C6H14 79-29-8
V2859	4.47	T	Cyclopentane	1,360.0	70	C5H10 287-92-3
V2859	4.50	T	2-Methylpentane	2,000.0	86	C6H14 107-83-5
V2859	4.72	T	3-Methylpentane	2,390.0	86	C6H14 96-14-0
V2859	4.85	T	2-Methyl-1-pentene	79.3	84	C6H12 763-29-1
V2859	4.99	T	Hexane	7,400.0	86	C6H14 110-54-3
V2859	5.07	M	MEK	810.0	72	C4H8O 78-93-3
V2859	5.17	97	Ethene, 1,2-dichloro-, (Z)-	690.0	96	C2H2Cl2 156-59-2
V2859	5.46	T	2,4-Dimethylpentane	377.0	100	C7H16 108-08-7
V2859	5.46	T	Methylcyclopentane	1,570.0	84	C6H12 96-37-7
V2859	6.01	T	Cyclohexane	1,780.0	84	C6H12 110-82-7
V2859	6.03	T	Benzene	876.0	78	C6H6 71-43-2
V2859	6.07	T	2-Methylhexane	1,590.0	100	C7H16 591-76-4
V2859	6.11	T	2,3-Dimethylpentane	707.0	100	C7H16 565-59-3
V2859	6.21	T	3-Methylhexane	2,160.0	100	C7H16 589-34-4
V2859	6.41	T	2,2,4-Trimethylpentane	612.0	114	C8H18 540-84-1
V2859	6.61	T	Heptane	2,300.0	100	C7H16 142-82-5
V2859	6.64	T	Trichloroethylene	219.0	131	C2HCl3 79-01-6
V2859	7.02	T	Methylcyclohexane	1,590.0	98	C7H14 108-87-2
V2859	7.42	T	2,3,4-Trimethylpentane	345.0	114	C8H18 565-75-3
V2859	7.65	T	2-Methylheptane	539.0	114	C8H18 592-27-8
V2859	7.74	T	Toluene	22,800.0	92	C7H8 108-88-3
V2859	7.78	T	3-Methylheptane	359.0	114	C8H18 589-81-1
V2859	7.90	94	Cyclohexane, 1,3-dimethyl-, cis-	770.0	112	C8H16 638-04-0
V2859	8.18	T	Octane	1,070.0	114	C8H18 111-65-9
V2859	8.42	T	Tetrachloroethylene	272.0	166	C2Cl4 127-18-4
V2859	8.62	72	Heptane, 2,6-dimethyl-	410.0	128	C9H20 1072-05-5
V2859	8.72	70	Cyclohexane, 1,2,3-trimethyl-, (1.alpha.)	577.0	126	C9H18 1678-81-5
V2859	8.78	96	Cyclohexane, ethyl-	453.0	112	C8H16 1678-91-7
V2859	8.96	I	Chlorobenzene-d5	.0	112	C6D5Cl 3114-55-4
V2859	9.05	92	Cyclohexane, 1,2,4-trimethyl-, (1.alpha.)	731.0	126	C9H18 7667-60-9
V2859	9.15	80	Octane, 4-methyl-	830.0	128	C9H20 2216-34-4
V2859	9.20	T	Ethyl benzene	9,230.0	106	C8H10 100-41-4
V2859	9.26	91	Octane, 3-methyl-	630.0	128	C9H20 2216-33-3
V2859	9.31	T	m,p-Xylene	7,960.0	106	C8H10 108-38-3 / 106-42-3
V2859	9.52	58	3-Nonene, (E)-	573.0	126	C9H18 20063-92-7
V2859	9.58	97	1-Ethyl-4-methylcyclohexane	515.0	126	C9H18 3728-56-1
V2859	9.64	T	Styrene	823.0	104	C8H8 100-42-5
V2859	9.65	T	Nonane	2,060.0	128	C9H20 111-84-2
V2859	9.68	T	o-Xylene	4,020.0	106	C8H10 95-47-6
V2859	9.84	46	Cyclohexane, 1,2,4-trimethyl-	523.0	126	C9H18 2234-75-5
V2859	9.87	90	1-Ethyl-4-methylcyclohexane	458.0	126	C9H18 3728-56-1
V2859	10.08	64	Bicyclo[4.1.0]heptane, 2-methyl-	465.0	110	C8H14 41977-46-2
V2859	10.11	T	Isopropylbenzene	369.0	120	C9H12 98-82-8
V2859	10.19	87	Cyclohexane, propyl-	1,040.0	126	C9H18 1678-92-8

Sample No: T09-2859

Comments: Genivar- St-Nicephore Landfill T6000 Outlet- T6-I-PM

SmpDate: 11-Sep-09 Time: By: AM Matrix: SILCO

Canister #: 2476 User Sample No: T6-I-PM

FILE	SubGroup: voc			Concentration		
	RT	MQ	NAME	ppbv	MW	MolFormula CAS

Analysis Date: 23-SEP-2009 12:27						
V2859	10.27	T	alpha Pinene	3,740.0	136	C10H16 80-56-8
V2859	10.44	86	Undecane, 5,6-dimethyl-	622.0	184	C13H28 17615-91-7
V2859	10.52	T	n-Propylbenzene	514.0	120	C9H12 103-65-1
V2859	10.62	94	Benzene, 1-ethyl-3-methyl-	3,310.0	120	C9H12 620-14-4
V2859	10.71	T	1,3,5-Trimethylbenzene	516.0	120	C9H12 108-67-8
V2859	11.01	95	Decane	3,390.0	142	C10H22 124-18-5
V2859	11.08	T	1,2,4-Trimethylbenzene	1,280.0	120	C9H12 95-63-6
V2859	11.21	22	Ether, heptyl hexyl	464.0	200	C13H28O 7239-40-9
V2859	11.31	87	Decane, 4-methyl-	1,270.0	156	C11H24 2847-72-5
V2859	11.35	78	Dodecane, 2,2,11,11-tetramethyl-	1,150.0	226	C16H34 127204-12-0
V2859	11.47	95	Benzene, 1-methyl-4-(1-methylethyl)-	8,070.0	134	C10H14 99-87-6
V2859	11.53	99	di-Limonene	6,310.0	136	C10H16 138-86-3
V2859	11.81	50	Pentane, 3-ethyl-2,2-dimethyl-	766.0	128	C9H20 16747-32-3
V2859	11.88	43	Hexane, 2,2,5,5-tetramethyl-	717.0	142	C10H22 1071-81-4
V2859	12.06	50	Octane, 2,3,7-trimethyl-	789.0	156	C11H24 62016-34-6
V2859	12.29	93	Undecane	2,420.0	156	C11H24 1120-21-4
V2859	12.68	90	Disulfide, ethyl hexyl	384.0	164	C7H16S2 67421-86-7
				sum:	157,513	

FILE: datafile RT: retention time MQ: T=target compound or ##=PBM library match quality

Flg: nd=not detected U=non-target compound or Unknown

MDL: method detection limit MW: molecular weight CAS: chemical abstracts service

Certified For: Yogesh Kumar, Business Unit Manager
 Environmental Monitoring
 By: *[Signature]* Alberta Research Council
 Vegreville, Alberta
 T9C 1T4

Contact Person: Grant Prill
 Environmental Monitoring
 Alberta Research Council
 Vegreville, Alberta T9C 1T4
 T9C 1T4

Date: *Oct 22 2009*

(780) 632-8455

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2858
SEP 14 2009
By: SS

Results To GENIVAR Signature Marie-Denise Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T6000 OUTLET - T6-H-NOON

User Sample ID No. Sample Date Sample Time Sampled by
T6-H-NOON 09112009 - - 15 AM
Mo Day Year hour min

Air/ Gas Sample
*Canister or Bag No
SilcoCan 2495
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2859
SEP 14 2009
By: SS

Results To GENIVAR Signature Marie-Denise Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T6000 OUTLET - T6-I-PM

User Sample ID No. Sample Date Sample Time Sampled by
T6-I-PM 09112009 - - 15 AM
Mo Day Year hour min

Air/ Gas Sample
*Canister or Bag No
SilcoCan 2476
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

~~Analysis Request Form~~
Lab No: T0#-****

Results To _____ Signature _____ Phone _____

Sample Info _____

User Sample ID No. Sample Date Sample Time Sampled by
[] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []
Mo Day Year hour min

Air/ Gas Sample
*Canister or Bag No
SilcoCan *
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH _____

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

GENIVAR

T09- 2856

SEP 14 2009
BY: SS

Results To GENIVAR Signature Maurine Demers Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T4000 OUTLET - T4-8-NOON

User Sample ID No. Sample Date Sample Time Sampled by

T 4 8 NOON 0 9 11 2009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan 2478
Tedlar
Liquid
Other

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

GENIVAR

T09- 2857

SEP 14 2009
BY: SS

Results To GENIVAR Signature Maurine Demers Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T4000 OUTLET - T4-9-PM

User Sample ID No. Sample Date Sample Time Sampled by

T 4 9 PM 0 9 11 2009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan 1684
Tedlar
Liquid
Other

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

Analysis Request Form

Lab No: T0#- ****

Results To _____ Signature _____ Phone _____

Sample Info _____

User Sample ID No. Sample Date Sample Time Sampled by

Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan
Tedlar
Liquid
Other

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2854
SEP 14 2009

By: SS

Results To GENIVAR Signature Maurice Denoux Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T6000 OUTLET - T6-F-PM

User Sample ID No. Sample Date Sample Time Sampled by

T6-F-PM 0910 2009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan 1126
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2855

SEP 14 2009

By: SS

Results To GENIVAR Signature Maurice Denoux Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T6000 OUTLET - T6-G-AM

User Sample ID No. Sample Date Sample Time Sampled by

T6-G-AM 0911 2009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan 1532
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

Analysis Request Form

Lab No: T0#-####

Results To _____ Signature _____ Phone _____

Sample Info _____

User Sample ID No. Sample Date Sample Time Sampled by

_____ Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan *
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH _____

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

GENIVAR

T09- 2852

SEP 14 2009
By: SS

Results To GENIVAR Signature *Maurine Demers* Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T4000 OUTLET - T4-6-PM

User Sample ID No. Sample Date Sample Time Sampled by

T 4 6 P M 0 9 1 0 2009 - - 1 5 A M
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan 1688
Tedlar *

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

Liquid _____
Other _____

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

GENIVAR

T09- 2853

SEP 14 2009
By: SS

Results To GENIVAR Signature *Maurine Demers* Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T4000 OUTLET - T4-7-AM

User Sample ID No. Sample Date Sample Time Sampled by

T 4 7 A M 0 9 1 1 2009 - - 1 5 A M
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan 1704
Tedlar *

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

Liquid _____
Other _____

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

~~Analysis Request Form~~

Lab No: T0#- ****

Results To _____ Signature _____ Phone _____

Sample Info _____

User Sample ID No. Sample Date Sample Time Sampled by

Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan *
Tedlar *

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH _____

Liquid _____
Other _____

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2850
SEP 14 2009
By: SS

Results To GENIVAR Signature Marlene Denner Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T6000 OUTLET - T6-D-AM

User Sample ID No. Sample Date Sample Time Sampled by
T6-D-AM 09102009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan 2664
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2851 -
SEP 14 2009
By: SS

Results To GENIVAR Signature Marlene Denner Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T6000 OUTLET - T6-E-NOON

User Sample ID No. Sample Date Sample Time Sampled by
T6-E-NOON 09102009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan 2648
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

~~Analysis Request Form~~

Lab No: T0#-****

Results To _____ Signature _____ Phone _____

Sample Info _____

User Sample ID No. Sample Date Sample Time Sampled by
[] [] [] [] [] [] [] [] [] [] [] [] [] [] []
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan *
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH _____

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2848

SEP 14 2009

By: SS

Results To GENIVAR Signature Maurine Demers Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T4000 OUTLET - T4-4-AM

User Sample ID No. Sample Date Sample Time Sampled by

T4-4-AM 09 10 2009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan H2717
Tedlar
Liquid
Other

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2849 -

SEP 14 2009

By: SS

Results To GENIVAR Signature Maurine Demers Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T4000 OUTLET - T4-5-NOON

User Sample ID No. Sample Date Sample Time Sampled by

T4-5-NOON 09 10 2009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan H2797
Tedlar
Liquid
Other

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

~~Analysis Request Form~~

Lab No: T0#-****

Results To _____ Signature _____ Phone _____

Sample Info _____

User Sample ID No. Sample Date Sample Time Sampled by

Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan
Tedlar
Liquid
Other

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2799
SEP 10 2009
By: SS

Results To GENIVAR Signature Maurine Demers Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T4000 OUTLET - T4-1-AM

User Sample ID No. Sample Date Sample Time Sampled by
T4-1-AM 09 09 2009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan H2831
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2800
SEP 10 2009
By: SS

Results To GENIVAR Signature Maurine Demers Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T4000 OUTLET - T4-2-NOON

User Sample ID No. Sample Date Sample Time Sampled by
T4-2-NOON 09 09 2009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan H2798
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

~~Analysis Request Form~~
Lab No: T0#-####

Results To _____ Signature _____ Phone _____

Sample Info _____

User Sample ID No. Sample Date Sample Time Sampled by
[] [] [] [] [] [] [] [] [] [] [] [] [] [] []
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan *
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH _____

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

GENIVAR

T09- 2797
SEP 10 2009
By: SS

Results To GENIVAR Signature *M. Denise* Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T6000 OUTLET - T6-A-AM

User Sample ID No. Sample Date Sample Time Sampled by

T6AAM 09 09 2009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No

SilcoCan 1690

Tedlar *

Liquid _____

Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE,
ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

GENIVAR

T09- 2798
SEP 10 2009
By: SS

Results To GENIVAR Signature *M. Denise* Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T6000 OUTLET - T6-B-NOON

User Sample ID No. Sample Date Sample Time Sampled by

T6BNOON 09 09 2009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No

SilcoCan 2523

Tedlar *

Liquid _____

Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE,
ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

Analysis Request Form

Lab No: T0#-****

Results To _____ Signature _____ Phone _____

Sample Info _____

User Sample ID No. Sample Date Sample Time Sampled by

Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No

SilcoCan *

Tedlar *

Liquid _____

Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

T09- 2796

SEP 10 2009
By: SS

Results To GENIVAR Signature Maurine Demers Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T4000 OUTLET - T4.3-PM

User Sample ID No. Sample Date Sample Time Sampled by

T43PM 09092009 - - 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan 2472
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)
GENIVAR

~~Analysis Request Form~~

Lab No: T0#-****

Results To GENIVAR Signature Maurine Demers Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T4000 OUTLET -

User Sample ID No. Sample Date Sample Time Sampled by

T4 _____ 15 AM
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan *
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH INERTS, ACETONE, ACRYLONITRILE, MEK

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

~~Analysis Request Form~~

Lab No: T0#-****

Results To _____ Signature _____ Phone _____

Sample Info _____

User Sample ID No. Sample Date Sample Time Sampled by

_____ 15 _____
Mo Day Year hour min

Air / Gas Sample
*Canister or Bag No
SilcoCan *
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

RSC gc/scd reduced sulphur cmpds VOC gc/ms SF6 tracer
 C1C4 gc/fid gas analysis (C1 to C4) TCDgas gc/tcd OTH _____

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

GENIVAR

T09- 2795

SEP 10 2009

By: SS

Results To GENIVAR Signature *Marlene Denner* Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T6000 OUTLET-T6-C-PM

User Sample ID No. Sample Date Sample Time Sampled by

T6C PM 09 09 2009 - - 15 AM #2486

Air / Gas Sample *Canister or Bag No
SilcoCan * <i>XXXXXXXXXX</i>
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

<input checked="" type="checkbox"/> RSC gc/scd reduced sulphur cmpds	<input checked="" type="checkbox"/> VOC gc/ms	<input type="checkbox"/> SF6 tracer
<input checked="" type="checkbox"/> C1C4 gc/fid gas analysis (C1 to C4)	<input type="checkbox"/> TCDgas gc/tcd	<input checked="" type="checkbox"/> OTH <u>INERTS, ACETONE, ACRYLONITRILE, MEK</u>

<< CanisterTedlar Mar2006.doc >>

Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

GENIVAR

Analysis Request Form

Lab No: T0#-****

Results To GENIVAR Signature *Marlene Denner* Phone (418) 780-0878

Sample Info ST-NICEPHORE LANDFILL T6000 OUTLET-

User Sample ID No. Sample Date Sample Time Sampled by

T6 09 09 2009 - - 15 AM

Air / Gas Sample *Canister or Bag No
SilcoCan *
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

<input checked="" type="checkbox"/> RSC gc/scd reduced sulphur cmpds	<input checked="" type="checkbox"/> VOC gc/ms	<input type="checkbox"/> SF6 tracer
<input checked="" type="checkbox"/> C1C4 gc/fid gas analysis (C1 to C4)	<input type="checkbox"/> TCDgas gc/tcd	<input checked="" type="checkbox"/> OTH <u>INERTS, ACETONE, ACRYLONITRILE, MEK</u>

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Alberta Research Council
Environmental Monitoring
Vegreville (780) 632-8455

Company Name (mandatory)

Analysis Request Form

Lab No: T0#-****

Results To _____ Signature _____ Phone _____

Sample Info _____

User Sample ID No. Sample Date Sample Time Sampled by

09 09 2009 - - 15 AM

Air / Gas Sample *Canister or Bag No
SilcoCan *
Tedlar *
Liquid _____
Other _____

Ensure Analysis required is checked - call lab to confirm if necessary

<input type="checkbox"/> RSC gc/scd reduced sulphur cmpds	<input type="checkbox"/> VOC gc/ms	<input type="checkbox"/> SF6 tracer
<input type="checkbox"/> C1C4 gc/fid gas analysis (C1 to C4)	<input type="checkbox"/> TCDgas gc/tcd	<input type="checkbox"/> OTH _____



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