ATTACHMENT A

GAF PARKING LOT SITE
Analytical Data Summary Tables

08/08/2004

ISP – GAF PARKING LOT SITE

TABLE 1
SOIL GAS SAMPLING – ANALYTICAL RESULTS
(On–site Mobile Laboratory Analyses)

		ON–SITE MOBILE LABORATORY WITH GC (Tetra–K Testing, Inc.)									
	Parameter	SG–3–3	SGW–6G	SG–4–2.5	SG–5–3	SG–6–3	SG–7–3	SG–8–3	SG–9–3	SG–10–3	SG–11–3
EPA 8240 Volatiles	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	--	--	--	--	--	--	--	--	--	--
	Bromoform	--	--	--	--	--	--	--	--	--	--
	Bromomethane	--	--	--	--	--	--	--	--	--	--
	2–Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	--	--	--	--	--	--	--	--	--	--
	Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	1.1	1.0	ND	ND	ND	ND
	Chloromethane	--	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	--	--	--	--	--	--	--	--	--	--
	1,1–Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2–Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1–Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2–Dichloroethene	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
	1,2–Dichloropropane	--	--	--	--	--	--	--	--	--	--
	c–1,3–Dichloropropene	--	--	--	--	--	--	--	--	--	--
	t–1,3–Dichloropropene	--	--	--	--	--	--	--	--	--	--
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2–Hexanone	--	--	--	--	--	--	--	--	--	--
	Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4–Methyl–2–pentanone	--	--	--	--	--	--	--	--	--	--
	Styrene	--	--	--	--	--	--	--	--	--	--
	1,1,2,2–Tetrachloroethane	--	--	--	--	--	--	--	--	--	--
	Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1–Trichloroethane	ND	ND	ND	0.5	0.1	ND	ND	ND	ND	ND
	1,1,2–Trichloroethane	--	--	--	--	--	--	--	--	--	--
	Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Vinyl acetate	--	--	--	--	--	--	--	--	--	--
	Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ortho–xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Meta–xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Para–xylenes	*	*	*	*	*	*	*	*	*	*

ISP – GAF PARKING LOT SITE

TABLE 1 (Continued)
SOIL GAS SAMPLING – ANALYTICAL RESULTS
(On–site Mobile Laboratory Analyses)

		ON–SITE MOBILE LABORATORY WITH GC (Tetra–K Testing, Inc.)								
	Parameter	SG–12–3	SG–13–4	SG–14–4	SG–15–3	SG–16–4	SG–17–4	SG–18–4	SG–19–4.5	SG–20–5
EPA 8240 Volatiles	Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Bromodichloromethane	--	--	--	--	--	--	--	--	--
	Bromoform	--	--	--	--	--	--	--	--	--
	Bromomethane	--	--	--	--	--	--	--	--	--
	2–Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	--	--	--	--	--	--	--	--	--
	Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Chloromethane	--	--	--	--	--	--	--	--	--
	Dibromochloromethane	--	--	--	--	--	--	--	--	--
	1,1–Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2–Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1–Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,2–Dichloroethene	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
	1,2–Dichloropropane	--	--	--	--	--	--	--	--	--
	c–1,3–Dichloropropene	--	--	--	--	--	--	--	--	--
	t–1,3–Dichloropropene	--	--	--	--	--	--	--	--	--
	Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	2–Hexanone	--	--	--	--	--	--	--	--	--
	Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	4–Methyl–2–pentanone	--	--	--	--	--	--	--	--	--
	Styrene	--	--	--	--	--	--	--	--	--
	1,1,2,2–Tetrachloroethane	--	--	--	--	--	--	--	--	--
	Tetrachloroethene	ND	ND	ND	0.02	ND	0.06	ND	ND	ND
	Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,1–Trichloroethane	ND	19.0	7.6	0.04	ND	0.05	ND	0.05	ND
	1,1,2–Trichloroethane	--	--	--	--	--	--	--	--	--
	Trichloroethene	ND	0.16	0.03	0.06	ND	ND	ND	ND	ND
	Vinyl acetate	--	--	--	--	--	--	--	--	--
	Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Ortho–xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Meta–xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Para–xylenes	*	*	*	*	*	*	*	*	*

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NOTES:
ND = Not detected.
-- = Not analyzed.
BQL = Parameter detected, but at a concentration below the quantitation limit.
ND* = cis–1,2–dichloroethene and trans–1,2– dichloroethene analyzed separately; both isomers were non–detect.
* = Meta– and para–xylenes are reported together.

ISP – GAF PARKING LOT SITE

TABLE 2
SHALLOW GROUND WATER SAMPLING – ANALYTICAL RESULTS
(On–site Mobile Laboratory Analyses)

		NYSDEC		ON–SITE MOBILE LABORATORY WITH GC (Tetra–K Testing, Inc.)							
	Parameter	MCL	Class GA Standard	SGW–1	SGW–2	SGW–3	SGW–4	SGW–5	SGW–7	SGW–8	SGW–9
				SHALLOW GROUND WATER SAMPLING RESULTS (ug/l)							
EPA 8240 Volatiles	Acetone	50	50(S)	ND	ND	ND	ND	ND	ND	ND	ND
	Benzene	5	0.7(S)	ND	ND	ND	ND	ND	4.3	ND	ND
	Bromodichloromethane	100+	50(G)	--	--	--	--	--	--	--	--
	Bromoform	100+	50(G)	--	--	--	--	--	--	--	--
	Bromomethane	5	5(S)	--	--	--	--	--	--	--	--
	2–Butanone	50	50(G)	ND	ND	ND	ND	ND	ND	ND	ND
	Carbon disulfide	50		--	--	--	--	--	--	--	--
	Carbon tetrachloride	5	5(S)	1.9	1.1	1.5	ND	1.0	ND	ND	ND
	Chlorobenzene	5	5(S)	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroethane	5	5(S)	ND	ND	ND	ND	ND	ND	ND	ND
	Chloroform	100+	7(S)	2.4	1.6	2.2	1.2	2.0	2.0	1.1	BQL
	Chloromethane	5	5(S)	--	--	--	--	--	--	--	--
	Dibromochloromethane	100+	50(G)	--	--	--	--	--	--	--	--
	1,1–Dichloroethane	5	5(S)	ND	ND	ND	ND	ND	ND	ND	ND
	1,2–Dichloroethane	5	5(S)	ND	ND	ND	ND	ND	54.0	ND	1.9
	1,1–Dichloroethene	5	5(S)	ND	ND	ND	ND	ND	BQL	ND	ND
	1,2–Dichloroethene			ND*	ND*	ND*	ND*	ND*	ND*	ND*	ND*
	1,2–Dichloropropane	5	5(S)	--	--	--	--	--	--	--	--
	c–1,3–Dichloropropene	5	5(S)	--	--	--	--	--	--	--	--
	t–1,3–Dichloropropene	5	5(S)	--	--	--	--	--	--	--	--
	Ethylbenzene	5	5(S)	ND	ND	ND	ND	ND	ND	ND	ND
	2–Hexanone	50	50(G)	--	--	--	--	--	--	--	--
	Methylene chloride	5	5(S)	ND	ND	ND	ND	ND	ND	ND	ND
	4–Methyl–2–pentanone	50		--	--	--	--	--	--	--	--
	Styrene	5	5(S)	--	--	--	--	--	--	--	--
	1,1,2,2–Tetrachloroethane	5	5(S)	--	--	--	--	--	--	--	--
	Tetrachloroethene	5	5(S)	0.5	0.5	0.3	ND	ND	ND	ND	ND
	Toluene	5	5(S)	ND	ND	ND	ND	ND	8.1	ND	BQL
	1,1,1–Trichloroethane	5	5(S)	ND	ND	ND	ND	ND	ND	ND	ND
	1,1,2–Trichloroethane	5	5(S)	--	--	--	--	--	--	--	--
	Trichloroethene	5	5(S)	10.0	7.7	8.1	4.4	7.5	ND	ND	ND
	Vinyl acetate	50		--	--	--	--	--	--	--	--
	Vinyl chloride	2	2(S)	ND	ND	ND	ND	ND	ND	ND	ND
	Ortho–xylenes	5	5(S)	ND	ND	ND	ND	ND	ND	ND	ND
	Meta–xylenes	5	5(S)	ND	ND	ND	ND	ND	ND	ND	ND
	Para–xylenes	5	5(S)	*	*	*	*	*	*	*	*

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NOTES:
ND = Not detected.
-- = Not analyzed.
BQL = Parameter detected, but at a concentration below the quantitation limit.
ND* = cis–1,2–dichloroethene and trans–1,2– dichloroethene analyzed separately; however, both isomers were non–detect.
* = Meta– and para–xylenes are reported together.

ISP – GAF PARKING LOT SITE

TABLE 3
MONITORING WELL & SHALLOW GROUND WATER – ANALYTICAL RESULTS
(Off–Site Laboratory Analyses)

		NYSDEC		LABORATORY ANALYSES (Life Science Laboratories, Inc.)					
	Parameter	MCL	Class GA Standard	MW–2	MW–2 (Duplicate)	MW–3	SGW–7	SGW–1	Filter Blank
EPA 8240 Volatiles (ug/l)	Acetone	50	50(S)	<10	<10	<10	<10	--	--
	Benzene	5	0.7(S)	<5	<5	<10	<5	--	--
	Bromodichloromethane	100+	50(G)	<5	<5	<5	<5	--	--
	Bromoform	100+	50(G)	<5	<5	<5	<5	--	--
	Bromomethane	5	5(S)	<10	<10	<10	<10	--	--
	2–Butanone (MEK)	50		<10	<10	<10	<10	--	--
	Carbon disulfide	50		<5	<5	<5	<5	--	--
	Carbon tetrachloride	5		<5	<5	<5	<5	--	--
	Chlorobenzene	5		<5	<5	<5	<5	--	--
	Chloroethane	5	5(S)	93	90	<10	<10	--	--
	Chloroform	100+		<5	<5	<5	<5	--	--
	Chloromethane	5		<10	<10	<10	<10	--	--
	Dibromochloromethane	100+		<5	<5	<5	<5	--	--
	1,1–Dichloroethane	5		<5	<5	<5	<5	--	--
	1,2–Dichloroethane	5	5(S)	<5	<5	<5	43	--	--
	1,1–Dichloroethene	5		<5	<5	<5	<5	--	--
	1,2–Dichloroethene	5*		<5	<5	<5	<5	--	--
	1,2–Dichloropropane	5		<5	<5	<5	<5	--	--
	c–1,3–Dichloropropene	5		<5	<5	<5	<5	--	--
	t–1,3–Dichloropropene	5		<5	<5	<5	<5	--	--
	Ethylbenzene	5		<5	<5	<5	<5	--	--
	2–Hexanone	50		<10	<10	<10	<10	--	--
	Methylene chloride	5		<5	<5	<5	<5	--	--
	4–Methyl–2–pentanone	50		<10	<10	<10	<10	--	--
	Styrene	5		<5	<5	<5	<5	--	--
	1,1,2,2–Tetrachloroethane	5		<5	<5	<5	<5	--	--
	Tetrachloroethene	5		<5	<5	<5	<5	--	--
	Toluene	5	5(S)	<5	<5	<5	8.9	--	--
	1,1,1–Trichloroethane	5		<5	<5	<5	<5	--	--
	1,1,2–Trichloroethane	5		<5	<5	<5	<5	--	--
	Trichloroethene	5	5(S)	<5	<5	9.2	<5	--	--
	Vinyl acetate	50		<10	<10	<10	<10	--	--
	Vinyl chloride	2		<10	<10	<10	<10	--	--
	Ortho–xylenes	5		<5	<5	<5	<5	--	--
	Meta–xylenes	5		<5	<5	<5	<5	--	--
	Para–xylenes	5		<5	<5	<5	<5	--	--
Inorganics Total (mg/l)	Cyanide (total)		0.1	<0.005	<0.005	<0.005	--	<0.005	--
	Aluminum			10	4.3	4.4	--	0.23	--
	Antimony		0.003 G	<0.03	<0.003	<0.003	--	0.0040	--
	Arsenic	0.05	0.025	0.030	<0.01	<0.01	--	<0.01	--
	Barium	1	1	1.8	0.94	<0.2	--	<0.2	--
	Beryllium		0.003 G	<0.01	<0.01	<0.01	--	<0.01	--
	Cadmium	0.01	0.01	<0.01	<0.01	<0.01	--	<0.01	--
	Calcium			97	79	130	--	130	--
	Chromium (total)	0.05	0.05	0.019	0.010	0.010	--	<0.01	--
	Cobalt			<0.01	<0.01	<0.01	--	<0.01	--

ISP – GAF PARKING LOT SITE

TABLE 3
MONITORING WELL & SHALLOW GROUND WATER – ANALYTICAL RESULTS
(Off–Site Laboratory Analyses)

		NYSDEC		LABORATORY ANALYSES (Life Science Laboratories, Inc.)					
	Parameter	MCL	Class GA Standard	MW–2	MW–2 (Duplicate)	MW–3	SGW–7	SGW–1	Filter Blank
Inorganics Total (mg/l)	Copper	1	0.2	0.70	0.30	0.019	--	<0.01	--
	Iron	0.3	0.3	59	16	8.7	--	0.85	--
	Lead	0.05	0.025	0.48	0.18	0.0078	--	0.0016	--
	Magnesium		35 G	24	25	26	--	24	--
	Manganese	0.3	0.3	0.59	0.35	0.63	--	0.021	--
	Mercury	0.002	0.002	0.00021	<0.0002	<0.0002	--	<0.0002	--
	Nickel			0.034	<0.02	<0.02	--	<0.02	--
	Potassium			15	15	3.9	--	3.5	--
	Selenium	0.01	0.01	<0.01	0.013	<0.01	--	0.021	--
	Silver	0.05	0.05	0.18	<0.01	0.023	--	<0.01	--
	Sodium		20	140	140	73	--	73	--
	Thallium		0.004 G	<0.01	<0.01	<0.01	--	<0.01	--
	Vanadium			0.20	<0.2	<0.2	--	<0.2	--
	Zinc	5	0.3	1.5	0.66	0.25	--	0.073	--
Inorganics Soluble (mg/l)	Aluminum			<0.1	<0.1	<0.1	--	<0.1	<0.1
	Antimony			<0.003	<0.003	<0.003	--	<0.003	<0.003
	Arsenic			0.026	<0.01	<0.01	--	<0.01	<0.01
	Barium			0.82	0.52	<0.2	--	<0.2	<0.2
	Beryllium			<0.01	<0.01	<0.01	--	<0.01	<0.01
	Cadmium			<0.01	<0.01	<0.01	--	<0.01	<0.01
	Calcium			79	68	130	--	120	<7
	Chromium			<0.01	<0.01	<0.01	--	<0.01	<0.01
	Cobalt			<0.01	<0.01	<0.01	--	<0.01	<0.01
	Copper			<0.01	<0.01	<0.01	--	<0.01	<0.01
	Iron			0.12	0.10	0.064	--	0.083	0.046
	Lead			<0.001	<0.001	<0.001	--	<0.001	<0.001
	Magnesium			22	23	23	--	23	<2
	Manganese			0.20	0.19	0.012	--	<0.01	<0.01
	Mercury			<0.0002	<0.0002	<0.0002	--	<0.0002	<0.0002
	Nickel			<0.02	<0.02	<0.02	--	<0.02	<0.02
	Potassium			16	15	3.8	--	3.1	<1
	Selenium			<0.01	0.035	<0.01	--	0.014	<0.01
	Silver			<0.01	<0.01	<0.01	--	<0.01	<0.01
	Sodium			140	130	73	--	73	<0.7
	Thallium			<0.01	<0.01	<0.01	--	<0.01	<0.01
	Vanadium			<0.20	<0.20	<0.20	--	<0.20	<0.20
	Zinc			0.047	0.016	0.012	--	0.073	<0.01

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TABLE 4

ISP – GAF Phase II **Hazardous Characteristics**
Event 1 Sampling
Test Pit Soil

PARAMETER	Hazardous Waste Limit	TP1–S1	TP1–S2	TP3–S1	TP3–S2	TP3–S3	TP3–S4
Ignitability (flash point in °c)	< 60	> 60	> 60	> 60	> 60	> 60	> 60
Corrosivity (as pH in S.U.)	≥ 2, ≤ 12.5	8.6	9.2	7.6	8.6	8.4	9.0
Cyanide Reactivity (mg HCN/kg)	250	< 20	< 20	< 20	< 20	< 20	< 20
Sulfide Reactivity (mg H_2S/kg)	500	< 10	< 10	< 10	< 10	< 10	< 10
EP Toxicity (µg/l)							
Arsenic	5.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Barium	100	< 2	< 2	< 2	< 2	< 2	< 2
Cadmium	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chromium	5.0	0.14	0.14	0.14	0.14	0.14	0.14
Lead	5.0	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Mercury	0.2	< 0.002	< 0.002	0.0028	< 0.002	< 0.002	< 0.002
Selenium	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Silver	5.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Endrin	0.02	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.00005
Lindane (gamma–BHC)	0.4	< 0.00003	< 0.00003	< 0.00003	< 0.00003	< 0.00003	< 0.00003
Methoxychlor	10.0	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.0003
Toxaphene	0.5	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001
2,4–D	10.0	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002
2,4,5–TP (Silvex)	1.0	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00002

TABLE 4

ISP – GAF Phase II **Hazardous Characteristics**
Event 1 Sampling
Test Pit Soil

PARAMETER	Hazardous Waste Limit	TP3–S5	TP4–S1	TP4–S2	TP4–S2 Duplicate	TP4–S3	TP4–S4
Ignitability (flash point in °c)	< 60	> 60	> 60	> 60	> 60	> 60	> 60
Corrosivity (as pH in S.U.)	≥ 2, ≤ 12.5	8.8	8.0	8.0	8.0	4.2	8.9
Cyanide Reactivity (mg HCN/kg)	250	< 20	< 20	< 20	< 20	< 20	< 20
Sulfide Reactivity (mg H_2S/kg)	500	< 10	< 10	32	< 10	< 10	< 10
EP Toxicity (μg/l)							
Arsenic	5.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Barium	100	< 2	< 2	< 2	< 2	< 2	< 2
Cadmium	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Chromium	5.0	0.14	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Lead	5.0	< 0.5	1.4	< 0.5	< 0.5	1.4	0.50
Mercury	0.2	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002	< 0.002
Selenium	1.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Silver	5.0	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Endrin	0.02	< 0.00005	< 0.00005	< 0.00005	< 0.00005	< 0.0002	< 0.00005
Lindane (gamma–BHC)	0.4	< 0.00003	< 0.00003	< 0.00003	< 0.00003	< 0.0001	< 0.00003
Methoxychlor	10.0	< 0.0003	< 0.0003	< 0.0003	< 0.0003	< 0.001	< 0.0003
Toxaphene	0.5	< 0.001	< 0.001	< 0.001	< 0.001	< 0.004	< 0.001
2,4–D	10.0	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00006	< 0.00002
2,4,5–TP (Silvex)	1.0	< 0.00002	< 0.00002	< 0.00002	< 0.00002	< 0.00006	< 0.00002

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TABLE 4

ISP → GAF Phase II — **TCL – volatiles**
Event 1 Sampling
Test Pit Soil — **All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP1–S1	TP1–S2	TP2–S1	TP3–S1	TP3–S2	TP3–S3	TP3–S4
TARGET ANALYTES								
Acetone	0.2	< 0.01	< 0.01	< 0.4	< 1	< 1	< 0.01	< 20
Benzene	0.06	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
Bromodichloromethane		< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
Bromoform		< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
Bromomethane		< 0.01	< 0.01	< 0.4	< 1	< 1	< 0.01	< 20
2–Butanone	0.3	< 0.01	< 0.01	< 0.4	< 1	< 1	< 0.01	< 20
Carbon disulfide	2.7	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
Carbon tetrachloride	0.6	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
Chlorobenzene	1.7	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
Chloroethane	1.9	< 0.01	< 0.01	< 0.4	< 1	< 1	< 0.01	< 20
Chloroform	0.3	< 0.005	< 0.005	3.7	< 0.5	< 0.5	0.012	< 10
Chloromethane		< 0.01	< 0.01	< 0.4	< 1	< 1	< 0.01	< 20
Dibromochloromethane		< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
1,1–Dichloroethane	0.2	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
1,2–Dichloroethane	0.1	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
1,1–Dichloroethene	0.4	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
1,2–Dichloroethene (total)	0.3	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
1,2–Dichloropropane		< 0.005	< 0.005	< 0.2	< 0.5	1.6	0.0086	< 10
cis–1,3–Dichloropropene		< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
trans–1,3–Dichloropropene		< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
Ethylbenzene	5.5	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
2–Hexanone		< 0.01	< 0.01	< 0.4	< 1	< 1	< 0.01	< 20
Methylene chloride	0.1	0.047	0.053	< 0.2	< 0.5	< 0.5	0.01	< 10
4–Methyl–2–pentanone	1.0	< 0.01	< 0.01	< 0.4	< 1	< 1	< 0.01	< 20
Styrene		< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
1,1,2,2–Tetrachloroethane	0.6	< 0.005	< 0.005	< 0.2	< 0.5	3.3	0.035	< 10
Tetrachloroethene	1.4	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
Toluene	1.5	0.0069	0.012	< 0.2	1.0	< 0.5	0.008	< 10
1,1,1–Trichloroethane	0.8	< 0.005	< 0.005	0.65	< 0.5	< 0.5	< 0.005	< 10
1,1,2–Trichloroethane		< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10

TABLE 4

ISP – GAF Phase II **TCL – volatiles**
Event 1 Sampling
Test Pit Soil **All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP1–S1	TP1–S2	TP2–S1	TP3–S1	TP3–S2	TP3–S3	TP3–S4
TARGET ANALYTES cont.								
Trichloroethene	0.7	< 0.005	< 0.005	< 0.2	< 0.5	3.2	0.024	< 10
Vinyl acetate		< 0.01	< 0.01	< 0.4	< 1	< 1	< 0.01	< 20
Vinyl chloride	0.2	< 0.01	< 0.01	< 0.4	< 1	< 1	< 0.01	< 20
o–xylenes	1.2*	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
m–xylenes	1.2*	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10
p–xylenes	1.2*	< 0.005	< 0.005	< 0.2	< 0.5	< 0.5	< 0.005	< 10

TABLE 4

ISP – GAF Phase II — **TCL – volatiles**
Event 1 Sampling
Test Pit Soil — **All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP3–S5	TP4–S1	TP4–S2	TP4–S2 Duplicate	TP4–S3	TP4–S4
TARGET ANALYTES							
Acetone	0.2	0.076	< 0.4	< 0.01	< 0.01	< 2	< 0.4
Benzene	0.06	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
Bromodichloromethane		< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
Bromoform		< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
Bromomethane		< 0.01	< 0.4	< 0.01	< 0.01	< 2	< 0.4
2–Butanone	0.3	< 0.01	< 0.4	< 0.01	< 0.01	< 2	< 0.4
Carbon disulfide	2.7	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
Carbon tetrachloride	0.6	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
Chlorobenzene	1.7	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
Chloroethane	1.9	< 0.01	< 0.4	< 0.01	< 0.01	< 2	< 0.4
Chloroform	0.3	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
Chloromethane		< 0.01	< 0.4	< 0.01	< 0.01	< 2	< 0.4
Dibromochloromethane		< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
1,1–Dichloroethane	0.2	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
1,2–Dichloroethane	0.1	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
1,1–Dichloroethene	0.4	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
1,2–Dichloroethene (total)	0.3	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
1,2–Dichloropropane		< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
cis–1,3–Dichloropropene		< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
trans–1,3–Dichloropropene		< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
Ethylbenzene	5.5	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
2–Hexanone		< 0.01	< 0.4	< 0.01	< 0.01	< 2	< 0.4
Methylene chloride	0.1	0.014	< 0.2	< 0.005	< 0.005	< 1	< 0.2
4–Methyl–2–pentanone	1.0	0.23	< 0.4	< 0.01	< 0.01	< 2	< 0.4
Styrene		< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
1,1,2,2–Tetrachloroethane	0.6	0.037	< 0.2	0.0088	0.042	< 1	< 0.2
Tetrachloroethene	1.4	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
Toluene	1.5	0.0069	< 0.2	< 0.005	< 0.005	1	< 0.2
1,1,1–Trichloroethane	0.8	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
1,1,2–Trichloroethane		< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2

TABLE 4

ISP – GAF Phase II — **TCL – volatiles**
Event 1 Sampling
Test Pit Soil — **All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP3–S5	TP4–S1	TP4–S2	TP4–S2 Duplicate	TP4–S3	TP4–S4
TARGET ANALYTES cont.							
Trichloroethene	0.7	0.025	< 0.2	< 0.005	< 0.005	< 1	< 0.2
Vinyl acetate		< 0.01	< 0.4	< 0.01	< 0.01	< 2	< 0.4
Vinyl chloride	0.2	< 0.01	< 0.4	< 0.01	< 0.01	< 2	< 0.4
o–xylenes	1.2*	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
m–xylenes	1.2*	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2
p–xylenes	1.2*	< 0.005	< 0.2	< 0.005	< 0.005	< 1	< 0.2

NOTE: Reference for cleanup objectives –
NYSDEC Division Technical and Administrative Guidance Memorandum:
Determination of soil cleanup Objectives and Cleanup Levels (Jan. 24, 1994)

* – cleanup objective is for xylenes

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TABLE 4

ISP – GAF Phase II — **TCL – semivolatiles**
Event 1 Sampling
Test Pit Soil — **All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP1–S1	TP1–S2	TP2–S1	TP3–S1	TP3–S2	TP3–S3	TP3–S4
TARGET ANALYTES (base/neutral)								
Acenaphthene	50	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Acenaphthylene	41	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Anthracene	50	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Benzo(a)anthracene	0.224/MDL	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Benzo(b)fluoranthene	1.1	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Benzo(k)fluoranthene	1.1	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Benzo(g,h,i)perylene	50	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Benzo(a)pyrene	0.061/MDL	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
4–Bromophenyl–phenylether		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Butylbenzylphthalate	50	< 8	< 8	< 0.2	0.52	< 8	< 8	< 0.2
Carbazole		< 20	< 20	< 0.4	< 0.4	< 20	< 20	< 0.4
4–Chloroaniline	0.220/MDL	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
bis(2–Chloroethoxy)methane		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
bis(2–Chloroethyl)ether		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2–Chloronaphthalene		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
4–Chlorophenyl–phenylether		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Chrysene		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Dibenzo(a,h)anthracene		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Dibenzofuran		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Di–n–Butylphthalate	8.1	< 8	< 8	0.51	0.44	< 8	< 8	0.44
1,2–Dichlorobenzene		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
1,3–Dichlorobenzene		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
1,4–Dichlorobenzene		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
3,3'–Dichlorobenzidine		< 20	< 20	< 0.4	< 0.4	< 20	< 20	< 0.4
Diethylphthalate	7.1	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Dimethylphthalate	2.0	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2,4–Dinitrotoluene		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2,6–Dinitrotoluene	1.0	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Di–n–Octyl phthalate	50	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2

TABLE 4

ISP – GAF Phase II **TCL – semivolatiles**
Event 1 Sampling
Test Pit Soil **All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP1–S1	TP1–S2	TP2–S1	TP3–S1	TP3–S2	TP3–S3	TP3–S4
TARGET ANALYTES (base/neutral)								
bis(2–Ethylhexyl)phthalate	50	< 8	< 8	< 0.2	< 0.2	< 8	< 8	18
Fluoranthene	50	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Fluorene	50	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Hexachlorobenzene	0.41	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Hexachlorobutadiene		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Hexachlorocyclopentadiene		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Hexachloroethane		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Indeno(1,2,3–cd)pyrene	3.2	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Isophorone	4.40	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2–Methylnaphthalene	36.4	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Napthalene	13.0	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2–Nitroaniline	0.430/MDL	< 20	< 20	< 0.4	< 0.4	< 20	< 20	< 0.4
3–Nitroaniline	0.500/MDL	< 20	< 20	< 0.4	< 0.4	< 20	< 20	< 0.4
4–Nitroaniline		< 20	< 20	< 0.4	< 0.4	< 20	< 20	< 0.4
Nitrobenzene	0.200/MDL	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
N–Nitrosodiphenylamine		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
N–Nitrosodipropylamine		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Phenanthrene	50	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Pyrene	50	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
1,2,4–Trichlorobenzene		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2

TABLE 4

ISP – GAF Phase II	**TCL – semivolatiles**
Event 1 Sampling	
Test Pit Soil	**All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP1–S1	TP1–S2	TP2–S1	TP3–S1	TP3–S2	TP3–S3	TP3–S4
TARGET ANALYTES (acid)								
4–Chloro–3–methylphenol	0.240/MDL	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2–Chlorophenol	0.8	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2,4–Dichlorophenol	0.4	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2,4–Dimethylphenol		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2,4–Dinitrophenol	0.200/MDL	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2–Methyl–4,6–dinitrophenol		< 20	< 20	< 0.4	< 0.4	< 20	< 20	< 0.4
2–Methylphenol	0.100/MDL	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2–Nitrophenol	0.330/MDL	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
4–Nitrophenol	0.100/MDL	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
Pentachlorophenol	1.0/MDL	< 20	< 20	< 0.4	< 0.4	< 20	< 20	< 0.4
Phenol	0.03/MDL	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2,4,5–Trichlorophenol	0.1	< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2
2,4,6–Trichlorophenol		< 8	< 8	< 0.2	< 0.2	< 8	< 8	< 0.2

TABLE 4

ISP – GAF Phase II **TCL – semivolatiles**
Event 1 Sampling
Test Pit Soil **All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP3–S5	TP4–S1	TP4–S2	TP4–S2 Duplicate	TP4–S3	TP4–S4
TARGET ANALYTES (base/neutral)							
Acenaphthene	50	< 8	< 0.8	< 8	< 8	< 8	< 8
Acenaphthylene	41	< 8	< 0.8	< 8	< 8	< 8	< 8
Anthracene	50	< 8	< 0.8	< 8	< 8	< 8	< 8
Benzo(a)anthracene	0.224/MDL	< 8	< 0.8	< 8	< 8	< 8	15
Benzo(b)fluoranthene	1.1	< 8	< 0.8	< 8	< 8	< 8	12
Benzo(k)fluoranthene	1.1	< 8	< 0.8	< 8	< 8	< 8	10
Benzo(g,h,i)perylene	50	< 8	< 0.8	< 8	< 8	< 8	< 8
Benzo(a)pyrene	0.061/MDL	< 8	< 0.8	< 8	< 8	< 8	9.7
4–Bromophenyl–phenylether		< 8	< 0.8	< 8	< 8	< 8	< 8
Butylbenzylphthalate	50	< 8	< 0.8	< 8	< 8	< 8	< 8
Carbazole		< 20	< 2	< 20	< 20	< 20	< 20
4–Chloroaniline	0.220/MDL	< 8	< 0.8	< 8	< 8	< 8	< 8
bis(2–Chloroethoxy)methane		< 8	< 0.8	< 8	< 8	< 8	< 8
bis(2–Chloroethyl)ether		< 8	< 0.8	< 8	< 8	< 8	< 8
2–Chloronaphthalene		< 8	< 0.8	< 8	< 8	< 8	< 8
4–Chlorophenyl–phenylether		< 8	< 0.8	< 8	< 8	< 8	< 8
Chrysene		< 8	< 0.8	< 8	< 8	< 8	20
Dibenzo(a,h)anthracene		< 8	< 0.8	< 8	< 8	< 8	< 8
Dibenzofuran		< 8	< 0.8	< 8	< 8	< 8	< 8
Di–n–Butylphthalate	8.1	< 8	< 0.8	< 8	< 8	85	< 8
1,2–Dichlorobenzene		< 8	< 0.8	< 8	< 8	< 8	< 8
1,3–Dichlorobenzene		< 8	< 0.8	< 8	< 8	< 8	< 8
1,4–Dichlorobenzene		< 8	< 0.8	< 8	< 8	< 8	< 8
3,3'–Dichlorobenzidine		< 20	< 2	< 20	< 20	< 20	< 20
Diethylphthalate	7.1	< 8	< 0.8	< 8	< 8	320	< 8
Dimethylphthalate	2.0	< 8	< 0.8	< 8	< 8	< 8	< 8
2,4–Dinitrotoluene		< 8	< 0.8	< 8	< 8	< 8	< 8
2,6–Dinitrotoluene	1.0	< 8	< 0.8	< 8	< 8	< 8	< 8
Di–n–Octyl phthalate	50	< 8	< 0.8	< 8	< 8	< 8	< 8

TABLE 4

ISP – GAF Phase II — **TCL – semivolatiles**
Event 1 Sampling
Test Pit Soil — **All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP3–S5	TP4–S1	TP4–S2	TP4–S2 Duplicate	TP4–S3	TP4–S4
TARGET ANALYTES (base/neutral)							
bis(2–Ethylhexyl)phthalate	50	< 8	< 0.8	< 8	< 8	< 8	< 8
Fluoranthene	50	< 8	< 0.8	23	15	< 8	41
Fluorene	50	14	< 0.8	< 8	< 8	< 8	< 8
Hexachlorobenzene	0.41	< 8	< 0.8	< 8	< 8	< 8	< 8
Hexachlorobutadiene		< 8	< 0.8	< 8	< 8	< 8	< 8
Hexachlorocyclopentadiene		< 8	< 0.8	< 8	< 8	< 8	< 8
Hexachloroethane		< 8	< 0.8	< 8	< 8	< 8	< 8
Indeno(1,2,3–cd)pyrene	3.2	< 8	< 0.8	< 8	< 8	< 8	< 8
Isophorone	4.40	< 8	< 0.8	< 8	< 8	< 8	< 8
2–Methylnaphthalene	36.4	200	< 0.8	< 8	< 8	< 8	< 8
Napthalene	13.0	210	< 0.8	< 8	< 8	< 8	< 8
2–Nitroaniline	0.430/MDL	< 20	< 2	< 20	< 20	< 20	< 20
3–Nitroaniline	0.500/MDL	< 20	< 2	< 20	< 20	< 20	< 20
4–Nitroaniline		< 20	< 2	< 20	< 20	< 20	< 20
Nitrobenzene	0.200/MDL	< 8	< 0.8	< 8	< 8	< 8	< 8
N–Nitrosodiphenylamine		< 8	< 0.8	< 8	< 8	< 8	< 8
N–Nitrosodipropylamine		< 8	< 0.8	< 8	< 8	< 8	< 8
Phenanthrene	50	19	< 0.8	20	9.2	< 8	34
Pyrene	50	< 8	< 0.8	15	12	< 8	32
1,2,4–Trichlorobenzene		< 8	< 0.8	< 8	< 8	< 8	< 8

TABLE 4

ISP – GAF Phase II	**TCL – semivolatiles**
Event 1 Sampling	
Test Pit Soil	**All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP3–S5	TP4–S1	TP4–S2	TP4–S2 Duplicate	TP4–S3	TP4–S4
TARGET ANALYTES (acid)							
4–Chloro–3–methylphenol	0.240/MDL	< 8	< 0.8	< 8	< 8	< 8	< 8
2–Chlorophenol	0.8	< 8	< 0.8	< 8	< 8	< 8	< 8
2,4–Dichlorophenol	0.4	< 8	< 0.8	< 8	< 8	< 8	< 8
2,4–Dimethylphenol		< 8	< 0.8	< 8	< 8	< 8	< 8
2,4–Dinitrophenol	0.200/MDL	< 8	< 0.8	< 8	< 8	< 8	< 8
2–Methyl–4,6–dinitrophenol		< 20	< 2	< 8	< 8	< 20	< 20
2–Methylphenol	0.100/MDL	< 8	< 0.8	< 20	< 20	< 8	< 8
2–Nitrophenol	0.330/MDL	< 8	< 0.8	< 8	< 8	< 8	< 8
4–Nitrophenol	0.100/MDL	< 8	< 0.8	< 8	< 8	< 8	< 8
Pentachlorophenol	1.0/MDL	< 20	< 2	< 20	< 20	< 20	< 20
Phenol	0.03/MDL	< 8	< 0.8	< 8	< 8	27	< 8
2,4,5–Trichlorophenol	0.1	< 8	< 0.8	< 8	< 8	< 8	< 8
2,4,6–Trichlorophenol		< 8	< 0.8	< 8	< 8	< 8	< 8

NOTE: Reference for cleanup objectives –
NYSDEC Division Technical and Administrative Guidance Memorandum:
Determination of soil cleanup Objectives and Cleanup Levels (Jan. 24, 1994)

MDL = Method Detection Limit

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TABLE 4

ISP – GAF Phase II **TCL – pesticides & PCBs**
Event 1 Sampling
Test Pit Soil **All data in ug/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP1–S1	TP1–S2	TP2–S1	TP3–S1	TP3–S2	TP3–S3	TP3–S4
TARGET ANALYTES								
alpha–BHC	0.11	< 0.1	< 0.1	< 0.01	< 0.05	< 0.1	< 0.05	< 0.02
beta–BHC	0.2	< 0.1	< 0.1	< 0.01	< 0.05	< 0.1	< 0.05	< 0.02
delta–BHC	0.3	< 0.1	< 0.1	< 0.01	< 0.05	< 0.1	< 0.05	< 0.02
gamma–BHC (Lindane)	0.06	< 0.1	< 0.1	< 0.01	< 0.05	< 0.1	< 0.05	< 0.02
Heptachlor	0.10	< 0.1	< 0.1	< 0.01	< 0.05	< 0.1	< 0.05	< 0.02
Aldrin	0.041	< 0.1	< 0.1	< 0.01	< 0.05	< 0.1	< 0.05	< 0.02
Heptachlor epoxide	0.02	< 0.1	< 0.1	< 0.01	< 0.05	< 0.1	< 0.05	< 0.02
Endosulfan I	0.9	< 0.1	< 0.1	< 0.01	< 0.05	< 0.1	< 0.05	< 0.02
Dieldrin	0.044	< 0.2	< 0.2	< 0.02	< 0.08	< 0.2	< 0.08	< 0.04
4,4'–DDE	2.1	< 0.2	< 0.2	< 0.02	< 0.08	< 0.2	< 0.08	< 0.04
Endrin	0.1	< 0.2	< 0.2	< 0.02	< 0.08	< 0.2	< 0.08	< 0.04
Endosulfan II	0.9	< 0.4	< 0.4	< 0.04	< 0.2	< 0.4	< 0.08	< 0.08
4,4'–DDD	2.9	< 0.4	< 0.4	< 0.04	< 0.2	< 0.4	< 0.2	< 0.08
Endosulfan sulfate	1	< 0.4	< 0.4	< 0.04	< 0.2	< 0.4	< 0.2	< 0.08
4,4'–DDT	2.1	< 0.4	< 0.4	< 0.04	< 0.2	< 0.4	< 0.2	< 0.08
Methoxychlor		< 1	< 1	< 0.1	< 0.5	< 1	< 0.5	< 0.2
Endrin ketone		< 0.4	< 0.4	< 0.04	< 0.2	< 0.4	< 0.2	< 0.08
alpha–Chlordane	0.54	< 0.1	< 0.1	< 0.01	< 0.05	< 0.1	< 0.05	< 0.02
gamma–Chlordane	0.54	< 0.1	< 0.1	< 0.01	< 0.05	< 0.1	< 0.05	< 0.02
Toxaphene		< 4	< 4	< 0.4	< 2	< 4	< 2	< 0.8
Aroclor–1016	1.0	< 2	< 2	< 0.2	< 0.8	< 2	< 0.8	< 0.4
Aroclor–1221	1.0	< 2	< 2	< 0.2	< 0.8	< 2	< 0.8	< 0.4
Aroclor–1232	1.0	< 2	< 2	< 0.2	< 0.8	< 2	< 0.8	< 0.4
Aroclor–1242	1.0	< 2	< 2	< 0.2	< 0.8	< 2	< 0.8	< 0.4
Aroclor–1248	1.0	< 2	< 2	< 0.2	< 0.8	< 2	< 0.8	< 0.4
Aroclor–1254	1.0	< 2	< 2	< 0.2	< 0.8	< 2	< 0.8	< 0.4
Aroclor–1260	1.0	< 2	< 2	< 0.2	< 0.8	< 2	< 0.8	< 0.4

TABLE 4

ISP – GAF Phase II	**TCL – pesticides & PCBs**
Event 1 Sampling	
Test Pit Soil	**All data in ug/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP3–S5	TP4–S1	TP4–S2	TP4–S2 Duplicate	TP4–S3	TP4–S4
TARGET ANALYTES							
alpha–BHC	0.11	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
beta–BHC	0.2	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
delta–BHC	0.3	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
gamma–BHC (Lindane)	0.06	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor	0.10	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Aldrin	0.041	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Heptachlor epoxide	0.02	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Endosulfan I	0.9	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Dieldrin	0.044	< 0.08	< 0.08	< 0.05	< 0.08	< 0.08	< 0.08
4,4'–DDE	2.1	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Endrin	0.1	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
Endosulfan II	0.9	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08
4,4'–DDD	2.9	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Endosulfan sulfate	1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
4,4'–DDT	2.1	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Methoxychlor		< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Endrin ketone		< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
alpha–Chlordane	0.54	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
gamma–Chlordane	0.54	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05	< 0.05
Toxaphene		< 2	< 2	< 2	< 2	< 2	< 2
Aroclor–1016	1.0	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor–1221	1.0	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor–1232	1.0	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor–1242	1.0	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor–1248	1.0	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Aroclor–1254	1.0	< 0.8	< 0.8	< 0.8	6.5	< 0.8	< 0.8
Aroclor–1260	1.0	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8

NOTE: Reference for cleanup objectives –
NYSDEC Division Technical and Administrative Guidance Memorandum:
Determination of soil cleanup Objectives and Cleanup Levels (Jan. 24, 1994)

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TABLE 4

ISP – GAF Phase II	**TCL – inorganics**
Event 1 Sampling	
Test Pit Soil	**All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP1–S1	TP1–S2	TP2–S1	TP3–S1	TP3–S2	TP3–S3	TP3–S4
TARGET ANALYTES								
Aluminum		4300	4000	2500	580	3700	4200	100
Antimony		1.3	2.1	4.8	3.9	< 2	3.4	8.2
Arsenic	75	9.4	6.1	8.4	< 1	8.9	8.2	< 1
Barium	300	100	160	110	22	100	100	< 20
Beryllium	0.16	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	1	< 1	8.2	< 1	< 1	< 1	< 1	< 1
Calcium		22000	31000	7200	140000	16000	21000	4400
Chromium	10	9.3	17	4.8	5.9	10	7.3	3.9
Cobalt	30	6.2	4.3	1.3	< 1	2.5	5.7	2.8
Copper	25	54	100	28	4.6	320	1800	6.2
Iron	2000	88	110	15	5.9	69	130	4.3
Lead		280	140	< 20	39	87	220	< 20
Magnesium		3200	3500	260	5100	260	3500	52000
Manganese		440	350	47	68	310	340	25
Mercury	0.1	0.19	0.21	< 0.1	4.7	< 0.1	< 0.1	< 0.1
Nickel	13	12	27	6.6	< 2	14	29	40
Potassium		460	420	310	340	360	470	< 100
Selenium	2	< 1	< 1	5.2	< 1	< 1	< 1	< 1
Silver		110	130	< 1	15	83	35	< 1
Sodium		< 70	< 70	< 70	< 70	< 70	< 70	< 70
Thallium		< 10	< 10	< 10	< 10	< 10	< 10	< 10
Vanadium	150	< 20	< 20	< 20	< 20	< 20	< 20	< 20
Zinc	20	130	1500	9.9	90	430	1200	22
Cyanide		0.11	0.11	1.6	0.28	0.34	0.13	< 0.1

TABLE 4

ISP – GAF Phase II	**TCL – inorganics**
Event 1 Sampling	
Test Pit Soil	**All data in mg/kg**

PARAMETER	Recommended Soil Cleanup Objective	TP3–S5	TP4–S1	TP4–S2	TP4–S2 Duplicate	TP4–S3	TP4–S4
TARGET ANALYTES							
Aluminum		4800	14000	4000	4400	21	2800
Antimony		< 2	< 2	< 2	< 2	2.5	< 2
Arsenic	75	5.1	8.5	4.1	1.9	< 1	< 1
Barium	300	120	27	160	120	< 20	130
Beryllium	0.16	< 1	< 1	< 1	< 1	< 1	< 1
Cadmium	1	1.8	1.4	2.5	< 1	< 1	1.4
Calcium		32000	15000	23000	26000	1000	54000
Chromium	10	9.7	12	14	25	5.6	53
Cobalt	30	4.8	2.3	4.2	5.5	< 1	5.0
Copper	25	570	27	110	63	< 2	110
Iron	2000	77	53	67	63	16	120
Lead		270	< 20	59	46	39	110
Magnesium		3600	1400	2500	4100	59	4400
Manganese		400	180	280	290	38	260
Mercury	0.1	1.2	< 0.1	0.10	0.27	< 0.1	< 0.1
Nickel	13	17	7.4	24	28	7.9	65
Potassium		680	300	530	470	< 100	470
Selenium	2	< 1	< 1	< 1	< 1	< 1	< 1
Silver		120	23	150	120	< 1	130
Sodium		< 70	< 70	< 70	110	310	< 70
Thallium		< 10	< 10	< 10	< 10	< 10	< 10
Vanadium	150	< 20	< 20	< 20	< 20	< 20	< 20
Zinc	20	770	630	210	140	29	540
Cyanide		2.0	0.18	0.40	0.77	0.57	2.9

NOTE: Reference for cleanup objectives –
NYSDEC Division Technical and Administrative Guidance Memorandum:
Determination of soil cleanup Objectives and Cleanup Levels (Jan. 24, 1994)

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