

Table 1. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-1	RSB-1	RSB-2	RSB-2	RSB-2	RSB-2
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)		2/20/2014	2/20/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014
1,1,1-Trichloroethane	680	500000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,1,2,2-Tetrachloroethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,1,2-Trichloroethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,1-Dichloroethane	270	240000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,1-Dichloroethene	330	500000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,2,3-Trichlorobenzene	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,2,4-Trichlorobenzene	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	3.2 JB
1,2-Dibromoethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,2-Dichlorobenzene	1100	500000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,2-Dichloroethane	20	30000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,2-Dichloropropane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,3-Dichlorobenzene	2400	280000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,4-Dichlorobenzene	1800	130000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
1,4-Dioxane	100	130000		53 U	57 U	63 U	48 U	8800 U	56 U
2-Butanone (MEK)	120	500000		2.6 U	2.8 U	4.4 J	2.4 U	<b>800 JD</b>	2.8 U
2-Hexanone	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
4-Methyl-2-pentanone (MIBK)	--	--		2.6 U	2.8 U	3.2 U	2.4 U	4000 D	2.8 U
Acetone	50	500000		10 J	7.3 J	<b>79</b>	19	<b>6200 D</b>	28 B
Benzene	60	44000		2.6 U	2.8 U	4.4 J	2.4 U	<b>470 JD</b>	2.8 U
Bromochloromethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Bromodichloromethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Bromoform	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Bromomethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Carbon disulfide	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Carbon tetrachloride	760	22000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Chlorobenzene	1100	500000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Chloroethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Chloroform	370	350000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Chloromethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
cis-1,2-Dichloroethene	250	500000		2.6 U	2.8 U	3.2 U	2.4 U	<b>12000 D</b>	2.8 U
cis-1,3-Dichloropropene	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Cyclohexane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Dibromochloromethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Dibromochloropropane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Dichlorodifluoromethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U

Table 1. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-1	RSB-1	RSB-2	RSB-2	RSB-2	RSB-2
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)		2/20/2014	2/20/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014
Ethylbenzene	1000	390000		2.6 U	2.8 U	3.2 U	2.4 U	<b>12000 D</b>	2.8 U
Freon 113	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Isopropylbenzene	--	--		2.6 U	2.8 U	3.2 U	2.4 U	790 JD	2.8 U
m+p-Xylene	--	--		5.3 U	5.7 U	7 J	4.8 U	39000 D	5.6 U
Methyl acetate	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Methylcyclohexane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	2100 D	2.8 U
Methylene chloride	50	500000		3.6 JB	3.1 JB	6.3 JB	4.6 JB	440 U	4.5 JB
MTBE	930	500000		2.6 U	2.8 U	3.2 U	2.4 U	<b>2000 D</b>	2.8 U
o-Xylene	--	--		2.6 U	2.8 U	3.2 J	2.4 U	12000 D	2.8 U
Styrene	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Tetrachloroethene	1300	150000		2.6 U	2.8 U	21	3.1 J	<b>6100 D</b>	2.8 U
Toluene	700	500000		2.6 U	2.8 U	20	2.4 U	<b>34000 D</b>	11
trans-1,2-Dichloroethene	190	500000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
trans-1,3-Dichloropropene	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Trichloroethene	470	200000		2.6 U	2.8 U	3.2 U	2.4 U	<b>760 JD</b>	2.8 U
Trichlorofluoromethane	--	--		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Vinyl chloride	20	13000		2.6 U	2.8 U	3.2 U	2.4 U	440 U	2.8 U
Xylenes (total)	260	500000		7.9 U	8.5 U	10 J	7.2 U	<b>51000 D</b>	8.3 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

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Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-3	RSB-3	RSB-4	RSB-4	RSB-5	RSB-5
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)		2/20/2014	2/20/2014	2/21/2014	2/21/2014	2/18/2014	2/18/2014
1,1,1-Trichloroethane	680	500000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,1,2,2-Tetrachloroethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,1,2-Trichloroethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,1-Dichloroethane	270	240000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,1-Dichloroethene	330	500000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,2,3-Trichlorobenzene	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,2,4-Trichlorobenzene	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,2-Dibromoethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,2-Dichlorobenzene	1100	500000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,2-Dichloroethane	20	30000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,2-Dichloropropane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,3-Dichlorobenzene	2400	280000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,4-Dichlorobenzene	1800	130000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
1,4-Dioxane	100	130000		53 U	54 U	63 U	40 U	53 U	50 U
2-Butanone (MEK)	120	500000		7	2.7 U	7.1	2 U	2.7 U	2.5 U
2-Hexanone	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
4-Methyl-2-pentanone (MIBK)	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Acetone	50	500000		42	16	84	37	18	20
Benzene	60	44000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Bromochloromethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Bromodichloromethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Bromoform	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Bromomethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Carbon disulfide	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Carbon tetrachloride	760	22000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Chlorobenzene	1100	500000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Chloroethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Chloroform	370	350000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Chloromethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
cis-1,2-Dichloroethene	250	500000		2.7 U	2.7 U	64	9.2	2.7 U	2.5 U
cis-1,3-Dichloropropene	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Cyclohexane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Dibromochloromethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Dibromochloropropane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Dichlorodifluoromethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U

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	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)		2/20/2014	2/20/2014	2/21/2014	2/21/2014	2/18/2014	2/18/2014
Ethylbenzene	1000	390000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Freon 113	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Isopropylbenzene	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
m+p-Xylene	--	--		5.3 U	5.4 U	6.3 U	4 U	5.3 U	5 U
Methyl acetate	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Methylcyclohexane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Methylene chloride	50	500000		3.1 JB	5 JB	5.4 JB	3.2 JB	4.6 JB	7 JB
MTBE	930	500000		2.7 U	2.7 U	3.1 U	3.3 J	2.7 U	5.1
o-Xylene	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Styrene	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Tetrachloroethene	1300	150000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Toluene	700	500000		2.7 U	2.7 U	4 J	3.3 J	2.7 U	2.5 U
trans-1,2-Dichloroethene	190	500000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
trans-1,3-Dichloropropene	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Trichloroethene	470	200000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Trichlorofluoromethane	--	--		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Vinyl chloride	20	13000		2.7 U	2.7 U	3.1 U	2 U	2.7 U	2.5 U
Xylenes (total)	260	500000		8 U	8.1 U	9.4 U	6 U	8 U	7.4 U

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	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)		2/18/2014	2/18/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
1,1,1-Trichloroethane	680	500000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,1,2,2-Tetrachloroethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,1,2-Trichloroethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,1-Dichloroethane	270	240000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,1-Dichloroethene	330	500000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,2,3-Trichlorobenzene	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,2,4-Trichlorobenzene	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,2-Dibromoethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,2-Dichlorobenzene	1100	500000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,2-Dichloroethane	20	30000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,2-Dichloropropane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,3-Dichlorobenzene	2400	280000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,4-Dichlorobenzene	1800	130000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
1,4-Dioxane	100	130000		45 U	47 U	61 U	54 U	68 U	55 U
2-Butanone (MEK)	120	500000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
2-Hexanone	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
4-Methyl-2-pentanone (MIBK)	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Acetone	50	500000		49	47	38 B	19 B	54 B	680 JD
Benzene	60	44000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Bromochloromethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Bromodichloromethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Bromoform	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Bromomethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Carbon disulfide	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Carbon tetrachloride	760	22000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Chlorobenzene	1100	500000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Chloroethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Chloroform	370	350000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Chloromethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
cis-1,2-Dichloroethene	250	500000		18	2.3 U	3 U	2.7 U	3.4 U	2.8 U
cis-1,3-Dichloropropene	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Cyclohexane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Dibromochloromethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Dibromochloropropane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Dichlorodifluoromethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U

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	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)							
Ethylbenzene	1000	390000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	4.3 J
Freon 113	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Isopropylbenzene	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
m+p-Xylene	--	--		4.5 U	4.7 U	6.1 U	5.4 U	8.6 J	14
Methyl acetate	--	--		2.3 U	2.3 U	3 U	2.9 J	3.4 U	2.8 U
Methylcyclohexane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.6 J	2.8 U
Methylene chloride	50	500000		8.4 JB	8.9 JB	4.3 JB	4 JB	8.8 JB	8.5 JB
MTBE	930	500000		3.1 J	2.3 U	3 U	2.7 U	3.4 U	2.8 U
o-Xylene	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	4.4 J
Styrene	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Tetrachloroethene	1300	150000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	23
Toluene	700	500000		2.3 J	2.4 J	3.2 J	2.7 U	16	64
trans-1,2-Dichloroethene	190	500000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
trans-1,3-Dichloropropene	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Trichloroethene	470	200000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Trichlorofluoromethane	--	--		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Vinyl chloride	20	13000		2.3 U	2.3 U	3 U	2.7 U	3.4 U	2.8 U
Xylenes (total)	260	500000		6.8 U	7 U	9.1 U	8.2 U	12 J	18

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

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Table 1. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-8	RSB-8	RSB-9	RSB-9	RSB-10	RSB-10
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)		2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/20/2014	2/20/2014
1,1,1-Trichloroethane	680	500000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,1,2,2-Tetrachloroethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,1,2-Trichloroethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,1-Dichloroethane	270	240000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,1-Dichloroethene	330	500000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,2,3-Trichlorobenzene	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,2,4-Trichlorobenzene	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,2-Dibromoethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,2-Dichlorobenzene	1100	500000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,2-Dichloroethane	20	30000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,2-Dichloropropane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,3-Dichlorobenzene	2400	280000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,4-Dichlorobenzene	1800	130000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
1,4-Dioxane	100	130000		47 U	47 U	41 U	50 U	41 U	52 U
2-Butanone (MEK)	120	500000		8.5	2.4 U	2.1 U	2.5 U	2 U	2.6 U
2-Hexanone	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
4-Methyl-2-pentanone (MIBK)	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Acetone	50	500000		<b>99</b>	<b>27 B</b>	<b>64 B</b>	<b>35 B</b>	<b>14</b>	<b>25</b>
Benzene	60	44000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Bromochloromethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Bromodichloromethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Bromoform	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Bromomethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Carbon disulfide	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Carbon tetrachloride	760	22000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Chlorobenzene	1100	500000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Chloroethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Chloroform	370	350000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Chloromethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
cis-1,2-Dichloroethene	250	500000		3.2 J	2.4 U	2.1 U	2.5 U	2 U	2.6 U
cis-1,3-Dichloropropene	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Cyclohexane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Dibromochloromethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Dibromochloropropane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Dichlorodifluoromethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U

Table 1. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation:	RSB-8	RSB-8	RSB-9	RSB-9	RSB-10	RSB-10
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)							
			Sample Depth (ft bls):	8.5 - 10.5	18.5 - 20.5	8.5 - 10.5	18.5 - 20.5	7.5 - 9.5	17.5 - 19.5
Ethylbenzene	1000	390000		3 J	2.4 U	78	2.5 U	2 U	2.6 U
Freon 113	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Isopropylbenzene	--	--		2.4 U	2.4 U	81	2.5 U	2 U	2.6 U
m+p-Xylene	--	--		10	5.6 J	16	5 U	4.1 U	5.2 U
Methyl acetate	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Methylcyclohexane	--	--		3 J	2.4 U	100	2.5 U	2 U	2.6 U
Methylene chloride	50	500000		3.5 JB	5 JB	2.1 U	6.7 JB	3.5 JB	3.7 JB
MTBE	930	500000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
o-Xylene	--	--		4.7	2.4 U	18	2.5 U	2 U	2.6 U
Styrene	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Tetrachloroethene	1300	150000		4.2 J	2.4 U	170 E	2.5 U	2 U	2.6 U
Toluene	700	500000		46	9.7	15	3.7 J	2 U	2.6 U
trans-1,2-Dichloroethene	190	500000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
trans-1,3-Dichloropropene	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Trichloroethene	470	200000		2.4 U	2.4 U	9.7	2.5 U	2 U	2.6 U
Trichlorofluoromethane	--	--		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Vinyl chloride	20	13000		2.4 U	2.4 U	2.1 U	2.5 U	2 U	2.6 U
Xylenes (total)	260	500000		15	7.5 J	34	7.6 U	6.1 U	7.8 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standard

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.



Table 1. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-11 2/20/2014 7.5 - 9.5	RSB-11 DUP 2/20/2014 7.5 - 9.5	RSB-11 2/20/2014 17.5 - 19.5	RSB-12 2/12/2014 9 - 11	RSB-12 2/12/2014 18 - 20	RSB-13 2/12/2014 9 - 11
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)							
1,1,1-Trichloroethane	680	500000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,1,2,2-Tetrachloroethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,1,2-Trichloroethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,1-Dichloroethane	270	240000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,1-Dichloroethene	330	500000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,2,3-Trichlorobenzene	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,2,4-Trichlorobenzene	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,2-Dibromoethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,2-Dichlorobenzene	1100	500000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,2-Dichloroethane	20	30000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,2-Dichloropropane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,3-Dichlorobenzene	2400	280000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,4-Dichlorobenzene	1800	130000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
1,4-Dioxane	100	130000		46 U	56 U	70 U	31 U	49 U	23 U
2-Butanone (MEK)	120	500000		13	9.2	15	1.5 U	2.5 U	2.5
2-Hexanone	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
4-Methyl-2-pentanone (MIBK)	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Acetone	50	500000		40	35	<b>94</b>	<b>7 B</b>	<b>9.2 JB</b>	8.9
Benzene	60	44000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Bromochloromethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Bromodichloromethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Bromoform	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Bromomethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Carbon disulfide	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Carbon tetrachloride	760	22000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Chlorobenzene	1100	500000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Chloroethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Chloroform	370	350000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Chloromethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
cis-1,2-Dichloroethene	250	500000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
cis-1,3-Dichloropropene	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Cyclohexane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Dibromochloromethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Dibromochloropropane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Dichlorodifluoromethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U

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Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation:	RSB-11	RSB-11 DUP	RSB-11	RSB-12	RSB-12	RSB-13
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)							
			Sample Depth (ft bls):	7.5 - 9.5	7.5 - 9.5	17.5 - 19.5	9 - 11	18 - 20	9 - 11
Ethylbenzene	1000	390000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Freon 113	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Isopropylbenzene	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
m+p-Xylene	--	--		4.6 U	5.6 U	7 U	3.1 U	4.9 U	2.3 U
Methyl acetate	--	--		3.2 J	2.8 U	17	1.5 U	2.5 U	1.2 U
Methylcyclohexane	--	--		3.9 J	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Methylene chloride	50	500000		3.7 JB	6.5 JB	5 JB	2.7 JB	2.5 U	1.2 U
MTBE	930	500000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
o-Xylene	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Styrene	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Tetrachloroethene	1300	150000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Toluene	700	500000		10	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
trans-1,2-Dichloroethene	190	500000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
trans-1,3-Dichloropropene	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Trichloroethene	470	200000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Trichlorofluoromethane	--	--		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Vinyl chloride	20	13000		2.3 U	2.8 U	3.5 U	1.5 U	2.5 U	1.2 U
Xylenes (total)	260	500000		7 U	8.5 U	10 U	4.6 U	7.4 U	3.5 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standard

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Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-13 DUP	RSB-13	RSB-14/4D	RSB-14/4D	RSB-14/4D
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)		2/12/2014	2/12/2014	2/10/2014	2/10/2014	2/10/2014
1,1,1-Trichloroethane	680	500000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,1,2,2-Tetrachloroethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,1,2-Trichloroethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,1-Dichloroethane	270	240000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,1-Dichloroethene	330	500000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,2,3-Trichlorobenzene	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,2,4-Trichlorobenzene	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,2-Dibromoethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,2-Dichlorobenzene	1100	500000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,2-Dichloroethane	20	30000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,2-Dichloropropane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,3-Dichlorobenzene	2400	280000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,4-Dichlorobenzene	1800	130000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
1,4-Dioxane	100	130000		43 U	36 U	57 U	65 U	4200 UD
2-Butanone (MEK)	120	500000		2.1 U	1.8 U	12	3.3 U	<b>1800 D</b>
2-Hexanone	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
4-Methyl-2-pentanone (MIBK)	--	--		2.1 U	1.8 U	4.2 J	3.3 U	210 UD
Acetone	50	500000		15	5.3 J	<b>190 B</b>	50 B	<b>1300 BD</b>
Benzene	60	44000		2.1 U	1.8 U	2.8 U	3.3 U	<b>1200 D</b>
Bromochloromethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Bromodichloromethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Bromoform	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Bromomethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Carbon disulfide	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Carbon tetrachloride	760	22000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Chlorobenzene	1100	500000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Chloroethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Chloroform	370	350000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Chloromethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
cis-1,2-Dichloroethene	250	500000		2.1 U	1.8 U	2.8 U	3.3 U	<b>2900 D</b>
cis-1,3-Dichloropropene	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Cyclohexane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	3200 D
Dibromochloromethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Dibromochloropropane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Dichlorodifluoromethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD

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Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation:	RSB-13 DUP	RSB-13	RSB-14/4D	RSB-14/4D	RSB-14/4D
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)						
			Sample Depth (ft bls):	9 - 11	19 - 21	2.5 - 3	5 - 7	10 - 11
Ethylbenzene	1000	390000		2.1 U	1.8 U	2.8 U	3.3 U	<b>6700 D</b>
Freon 113	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Isopropylbenzene	--	--		2.1 U	1.8 U	2.8 U	3.3 U	820 D
m+p-Xylene	--	--		4.3 U	3.6 U	5.7 U	6.5 U	22000 D
Methyl acetate	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Methylcyclohexane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	2200 D
Methylene chloride	50	500000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
MTBE	930	500000		2.1 U	1.8 U	2.8 U	3.3 U	420 JD
o-Xylene	--	--		2.1 U	1.8 U	2.8 U	3.3 U	10000 D
Styrene	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Tetrachloroethene	1300	150000		2.1 U	1.8 U	2.8 U	4 J	930 D
Toluene	700	500000		2.1 U	1.8 U	5.1 J	3.3 U	<b>30000 D</b>
trans-1,2-Dichloroethene	190	500000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
trans-1,3-Dichloropropene	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Trichloroethene	470	200000		2.1 U	1.8 U	2.8 U	3.3 U	<b>590 D</b>
Trichlorofluoromethane	--	--		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Vinyl chloride	20	13000		2.1 U	1.8 U	2.8 U	3.3 U	210 UD
Xylenes (total)	260	500000		6.4 U	5.5 U	8.5 U	9.8 U	<b>32000 D</b>

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

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NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

Table 1. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: RSB-14/4D Sample Date: 2/10/2014 Sample Depth (ft bls): 38 - 40
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)	
1,1,1-Trichloroethane	680	500000	2.4 U
1,1,2,2-Tetrachloroethane	--	--	2.4 U
1,1,2-Trichloroethane	--	--	2.4 U
1,1-Dichloroethane	270	240000	2.4 U
1,1-Dichloroethene	330	500000	2.4 U
1,2,3-Trichlorobenzene	--	--	2.4 U
1,2,4-Trichlorobenzene	--	--	2.4 U
1,2-Dibromoethane	--	--	2.4 U
1,2-Dichlorobenzene	1100	500000	2.4 U
1,2-Dichloroethane	20	30000	2.4 U
1,2-Dichloropropane	--	--	2.4 U
1,3-Dichlorobenzene	2400	280000	2.4 U
1,4-Dichlorobenzene	1800	130000	2.4 U
1,4-Dioxane	100	130000	49 U
2-Butanone (MEK)	120	500000	2.4 U
2-Hexanone	--	--	2.4 U
4-Methyl-2-pentanone (MIBK)	--	--	2.4 U
Acetone	50	500000	<b>100 B</b>
Benzene	60	44000	2.4 U
Bromochloromethane	--	--	2.4 U
Bromodichloromethane	--	--	2.4 U
Bromoform	--	--	2.4 U
Bromomethane	--	--	2.4 U
Carbon disulfide	--	--	2.4 U
Carbon tetrachloride	760	22000	2.4 U
Chlorobenzene	1100	500000	2.4 U
Chloroethane	--	--	2.4 U
Chloroform	370	350000	2.4 U
Chloromethane	--	--	2.4 U
cis-1,2-Dichloroethene	250	500000	2.4 U
cis-1,3-Dichloropropene	--	--	2.4 U
Cyclohexane	--	--	2.4 U
Dibromochloromethane	--	--	2.4 U
Dibromochloropropane	--	--	2.4 U
Dichlorodifluoromethane	--	--	2.4 U

Table 1. Summary of Volatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	<b>Sample Designation:</b> RSB-14/4D <b>Sample Date:</b> 2/10/2014 <b>Sample Depth (ft bls):</b> 38 - 40
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)	
Ethylbenzene	1000	390000	2.4 U
Freon 113	--	--	2.4 U
Isopropylbenzene	--	--	2.4 U
m+p-Xylene	--	--	6.2 J
Methyl acetate	--	--	2.4 U
Methylcyclohexane	--	--	2.4 U
Methylene chloride	50	500000	2.4 U
MTBE	930	500000	2.4 U
o-Xylene	--	--	2.4 U
Styrene	--	--	2.4 U
Tetrachloroethene	1300	150000	2.4 U
Toluene	700	500000	12
trans-1,2-Dichloroethene	190	500000	2.4 U
trans-1,3-Dichloropropene	--	--	2.4 U
Trichloroethene	470	200000	2.4 U
Trichlorofluoromethane	--	--	2.4 U
Vinyl chloride	20	13000	2.4 U
Xylenes (total)	260	500000	8.4 J

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standard

Boxed data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-1	RSB-1	RSB-2	RSB-2	RSB-2	RSB-2	RSB-3
	Part 375	Part 375		2/20/2014	2/20/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/20/2014
	Unrestricted Use	Commercial (µg/kg)		10 - 12	20 - 22	1 - 3	5 - 7	11 - 13	18 - 20	8 - 10
1,1'-Biphenyl	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
1,2,4,5-Tetrachlorobenzene	--	--		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
2,2'-oxybis (1-chloropropane)	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
2,4,5-Trichlorophenol	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
2,4,6-Trichlorophenol	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
2,4-Dichlorophenol	--	--		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
2,4-Dimethylphenol	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
2,4-Dinitrophenol	--	--		191 U	197 U	4600 U	1850 U	19100 U	205 U	198 U
2,4-Dinitrotoluene	--	--		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
2,6-Dinitrotoluene	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
2-Chloronaphthalene	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
2-Chlorophenol	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
2-Methylnaphthalene	--	--		48 U	49.6 U	1160 U	464 U	13000 JD	51.5 U	49.8 U
2-Methylphenol	330	500000		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
2-Nitroaniline	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
2-Nitrophenol	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
3&4-Methylphenol	330	500000		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
3,3'-Dichlorobenzidine	--	--		191 U	197 U	4600 U	1850 U	19100 U	205 U	198 U
3-Nitroaniline	--	--		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
4,6-Dinitro-2-methylphenol	--	--		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
4-Bromophenyl phenyl ether	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
4-Chloro-3-methylphenol	--	--		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
4-Chloroaniline	--	--		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
4-Chlorophenyl phenyl ether	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
4-Nitroaniline	--	--		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
4-Nitrophenol	--	--		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
Acenaphthene	20000	500000		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Acenaphthylene	100000	500000		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Acetophenone	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Anthracene	100000	500000		48 U	49.6 U	2590 JD	464 U	4800 U	51.5 U	49.8 U
Atrazine	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-1	RSB-1	RSB-2	RSB-2	RSB-2	RSB-2	RSB-3
	Part 375	Part 375		2/20/2014	2/20/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/20/2014
	Unrestricted Use	Commercial (µg/kg)		10 - 12	20 - 22	1 - 3	5 - 7	11 - 13	18 - 20	8 - 10
Benzaldehyde	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Benzo[a]anthracene	1000	5600		48.4 J	49.6 U	<b>4750 D</b>	943 JD	4800 U	51.5 U	49.8 U
Benzo[a]pyrene	1000	1000		58.6 J	49.6 U	<b>5500 D</b>	<b>1120 JD</b>	4800 U	51.5 U	49.8 U
Benzo[b]fluoranthene	1000	5600		48 U	49.6 U	<b>4110 JD</b>	961 JD	4800 U	51.5 U	49.8 U
Benzo[g,h,i]perylene	100000	500000		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
Benzo[k]fluoranthene	800	56000		49.9 J	49.6 U	<b>5080 D</b>	<b>1070 JD</b>	4800 U	51.5 U	49.8 U
Bis(2-chloroethoxy)methane	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Bis(2-chloroethyl) ether	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Bis(2-ethylhexyl) phthalate	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Butylbenzyl phthalate	--	--		48 U	49.6 U	1160 U	464 U	8430 JD	51.5 U	49.8 U
Caprolactam	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Carbazole	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Chrysene	1000	56000		52.2 J	49.6 U	<b>4760 D</b>	1000 JD	4800 U	51.5 U	49.8 U
Dibenzo[a,h]anthracene	330	560		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Dibenzofuran	7000	350000		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Diethyl phthalate	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Dimethyl phthalate	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Di-n-butyl phthalate	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Di-n-octyl phthalate	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Fluoranthene	100000	500000		104 J	49.6 U	11500 D	1810 JD	4800 U	51.5 U	49.8 U
Fluorene	30000	500000		48 U	49.6 U	1200 JD	464 U	4800 U	51.5 U	49.8 U
Hexachlorobenzene	330	6000		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Hexachlorobutadiene	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Hexachlorocyclopentadiene	--	--		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
Hexachloroethane	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Indeno[1,2,3-cd]pyrene	500	5600		48 U	49.6 U	<b>1280 JD</b>	464 U	4800 U	51.5 U	49.8 U
Isophorone	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Naphthalene	12000	500000		48 U	49.6 U	1160 U	464 U	6980 JD	51.5 U	49.8 U
Nitrobenzene	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
n-Nitrosodi-n-propylamine	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
n-Nitrosodiphenylamine	--	--		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U



Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	<b>Sample Designation:</b>	RSB-1	RSB-1	RSB-2	RSB-2	RSB-2	RSB-2	RSB-3
			<b>Sample Date:</b>	2/20/2014	2/20/2014	2/21/2014	2/21/2014	2/21/2014	2/21/2014	2/20/2014
			<b>Sample Depth (ft bls):</b>	10 - 12	20 - 22	1 - 3	5 - 7	11 - 13	18 - 20	8 - 10
Pentachlorophenol	800	6700		96 U	99.3 U	2320 U	928 U	9610 U	103 U	99.5 U
Phenanthrene	100000	500000		59 J	49.6 U	10100 D	578 JD	4800 U	51.5 U	49.8 U
Phenol	330	500000		48 U	49.6 U	1160 U	464 U	4800 U	51.5 U	49.8 U
Pyrene	100000	500000		93.3 J	49.6 U	11900 D	1870 D	4800 U	51.5 U	49.8 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Standards

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standards

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance  
of the calibration range in the original sample.

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-3	RSB-4	RSB-4	RSB-5	RSB-5	RSB-6	RSB-6
	Part 375	Part 375		RSB-3	RSB-4	RSB-4	RSB-5	RSB-5	RSB-6	RSB-6
	Unrestricted Use	Commercial (µg/kg)		2/20/2014	2/21/2014	2/21/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014
				18 - 20	8 - 10	18 - 20	8.5 - 10.5	18.5 - 20.5	9 - 11	19 - 21
1,1'-Biphenyl	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
1,2,4,5-Tetrachlorobenzene	--	--		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
2,2'-oxybis (1-chloropropane)	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
2,4,5-Trichlorophenol	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
2,4,6-Trichlorophenol	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
2,4-Dichlorophenol	--	--		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
2,4-Dimethylphenol	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
2,4-Dinitrophenol	--	--		396 U	197 U	204 U	208 U	191 U	190 U	195 U
2,4-Dinitrotoluene	--	--		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
2,6-Dinitrotoluene	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
2-Chloronaphthalene	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
2-Chlorophenol	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
2-Methylnaphthalene	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
2-Methylphenol	330	500000		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
2-Nitroaniline	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
2-Nitrophenol	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
3&4-Methylphenol	330	500000		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
3,3'-Dichlorobenzidine	--	--		396 U	197 U	204 U	208 U	191 U	190 U	195 U
3-Nitroaniline	--	--		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
4,6-Dinitro-2-methylphenol	--	--		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
4-Bromophenyl phenyl ether	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
4-Chloro-3-methylphenol	--	--		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
4-Chloroaniline	--	--		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
4-Chlorophenyl phenyl ether	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
4-Nitroaniline	--	--		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
4-Nitrophenol	--	--		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
Acenaphthene	20000	500000		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Acenaphthylene	100000	500000		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Acetophenone	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Anthracene	100000	500000		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Atrazine	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-3	RSB-4	RSB-4	RSB-5	RSB-5	RSB-6	RSB-6
	Part 375	Part 375		RSB-3	RSB-4	RSB-4	RSB-5	RSB-5	RSB-6	RSB-6
	Unrestricted Use	Commercial (µg/kg)		2/20/2014	2/21/2014	2/21/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014
Benzaldehyde	--	--	18 - 20	99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Benzo[a]anthracene	1000	5600	8 - 10	232 JD	49.5 U	51.3 U	52.2 U	48 U	104 J	49 U
Benzo[a]pyrene	1000	1000	18 - 20	270 JD	49.5 U	51.3 U	55.1 J	48 U	125 J	49 U
Benzo[b]fluoranthene	1000	5600	8.5 - 10.5	233 JD	49.5 U	51.3 U	52.2 U	48 U	131 J	49 U
Benzo[g,h,i]perylene	100000	500000	18.5 - 20.5	199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
Benzo[k]fluoranthene	800	56000	9 - 11	254 JD	49.5 U	51.3 U	69.6 J	48 U	122 J	49 U
Bis(2-chloroethoxy)methane	--	--	19 - 21	99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Bis(2-chloroethyl) ether	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Bis(2-ethylhexyl) phthalate	--	--		99.6 U	49.5 U	51.3 U	101 J	48 U	47.7 U	49 U
Butylbenzyl phthalate	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Caprolactam	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Carbazole	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Chrysene	1000	56000		247 JD	49.5 U	51.3 U	56.3 J	48 U	113 J	49 U
Dibenzo[a,h]anthracene	330	560		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Dibenzofuran	7000	350000		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Diethyl phthalate	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Dimethyl phthalate	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Di-n-butyl phthalate	--	--		99.6 U	49.5 U	51.3 U	70 J	48 U	47.7 U	100 J
Di-n-octyl phthalate	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Fluoranthene	100000	500000		500 D	49.5 U	51.3 U	103 J	48 U	198	49 U
Fluorene	30000	500000		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Hexachlorobenzene	330	6000		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Hexachlorobutadiene	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Hexachlorocyclopentadiene	--	--		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
Hexachloroethane	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Indeno[1,2,3-cd]pyrene	500	5600		101 JD	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Isophorone	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Naphthalene	12000	500000		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Nitrobenzene	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
n-Nitrosodi-n-propylamine	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
n-Nitrosodiphenylamine	--	--		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	<b>Sample Designation:</b>	RSB-3	RSB-4	RSB-4	RSB-5	RSB-5	RSB-6	RSB-6
			<b>Sample Date:</b>	2/20/2014	2/21/2014	2/21/2014	2/18/2014	2/18/2014	2/18/2014	2/18/2014
			<b>Sample Depth (ft bls):</b>	18 - 20	8 - 10	18 - 20	8.5 - 10.5	18.5 - 20.5	9 - 11	19 - 21
Pentachlorophenol	800	6700		199 U	98.9 U	103 U	104 U	95.9 U	95.4 U	97.9 U
Phenanthrene	100000	500000		350 JD	49.5 U	51.3 U	52.2 U	48 U	106 J	49 U
Phenol	330	500000		99.6 U	49.5 U	51.3 U	52.2 U	48 U	47.7 U	49 U
Pyrene	100000	500000		422 D	49.5 U	51.3 U	94.9 J	48 U	200	49 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Stan

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standa

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-7	RSB-7	RSB-8	RSB-8	RSB-8	RSB-8	RSB-9
	Part 375	Part 375		2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
	Unrestricted Use	Commercial (µg/kg)		8.5 - 10.5	18.5 - 20.5	1.5 - 3.5	5 - 7	8.5 - 10.5	18.5 - 20.5	8.5 - 10.5
1,1'-Biphenyl	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
1,2,4,5-Tetrachlorobenzene	--	--		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
2,2'-oxybis (1-chloropropane)	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
2,4,5-Trichlorophenol	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
2,4,6-Trichlorophenol	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
2,4-Dichlorophenol	--	--		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
2,4-Dimethylphenol	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
2,4-Dinitrophenol	--	--		195 U	200 U	1820 U	1890 U	1910 U	200 U	394 U
2,4-Dinitrotoluene	--	--		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
2,6-Dinitrotoluene	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
2-Chloronaphthalene	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
2-Chlorophenol	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
2-Methylnaphthalene	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
2-Methylphenol	330	500000		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
2-Nitroaniline	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
2-Nitrophenol	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
3&4-Methylphenol	330	500000		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
3,3'-Dichlorobenzidine	--	--		195 U	200 U	1820 U	1890 U	1910 U	200 U	394 U
3-Nitroaniline	--	--		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
4,6-Dinitro-2-methylphenol	--	--		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
4-Bromophenyl phenyl ether	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
4-Chloro-3-methylphenol	--	--		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
4-Chloroaniline	--	--		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
4-Chlorophenyl phenyl ether	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
4-Nitroaniline	--	--		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
4-Nitrophenol	--	--		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
Acenaphthene	20000	500000		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Acenaphthylene	100000	500000		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Acetophenone	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Anthracene	100000	500000		49.1 U	50.2 U	827 JD	1270 JD	625 JD	50.3 U	99.1 U
Atrazine	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-7	RSB-7	RSB-8	RSB-8	RSB-8	RSB-8	RSB-9
	Part 375	Part 375		2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
	Unrestricted Use	Commercial (µg/kg)		8.5 - 10.5	18.5 - 20.5	1.5 - 3.5	5 - 7	8.5 - 10.5	18.5 - 20.5	8.5 - 10.5
Benzaldehyde	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Benzo[a]anthracene	1000	5600		170 J	50.2 U	<b>2580 D</b>	<b>3430 D</b>	<b>1680 JD</b>	50.3 U	99.1 U
Benzo[a]pyrene	1000	1000		192 J	50.2 U	<b>2710 D</b>	<b>3510 D</b>	<b>1690 JD</b>	50.3 U	99.1 U
Benzo[b]fluoranthene	1000	5600		194 J	50.2 U	<b>2080 D</b>	<b>2750 D</b>	<b>1410 JD</b>	50.3 U	99.1 U
Benzo[g,h,i]perylene	100000	500000		98.2 U	100 U	1030 JD	1050 JD	960 U	101 U	198 U
Benzo[k]fluoranthene	800	56000		193 J	50.2 U	<b>2530 D</b>	<b>3490 D</b>	<b>1690 JD</b>	50.3 U	99.1 U
Bis(2-chloroethoxy)methane	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Bis(2-chloroethyl) ether	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Bis(2-ethylhexyl) phthalate	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Butylbenzyl phthalate	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Caprolactam	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Carbazole	--	--		49.1 U	50.2 U	457 U	517 JD	480 U	50.3 U	99.1 U
Chrysene	1000	56000		179 J	50.2 U	<b>2540 D</b>	<b>3420 D</b>	<b>1650 JD</b>	50.3 U	99.1 U
Dibenzo[a,h]anthracene	330	560		49.1 U	50.2 U	457 U	<b>510 JD</b>	480 U	50.3 U	99.1 U
Dibenzofuran	7000	350000		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Diethyl phthalate	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Dimethyl phthalate	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Di-n-butyl phthalate	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Di-n-octyl phthalate	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Fluoranthene	100000	500000		325	50.2 U	5240 D	7200 D	3940 D	50.3 U	99.1 U
Fluorene	30000	500000		49.1 U	50.2 U	457 U	476 JD	480 U	50.3 U	99.1 U
Hexachlorobenzene	330	6000		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Hexachlorobutadiene	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Hexachlorocyclopentadiene	--	--		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
Hexachloroethane	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Indeno[1,2,3-cd]pyrene	500	5600		54.2 J	50.2 U	<b>929 JD</b>	<b>1050 JD</b>	<b>522 JD</b>	50.3 U	99.1 U
Isophorone	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Naphthalene	12000	500000		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Nitrobenzene	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
n-Nitrosodi-n-propylamine	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
n-Nitrosodiphenylamine	--	--		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	<b>Sample Designation:</b>	RSB-7	RSB-7	RSB-8	RSB-8	RSB-8	RSB-8	RSB-9
			<b>Sample Date:</b>	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014	2/19/2014
			<b>Sample Depth (ft bls):</b>	8.5 - 10.5	18.5 - 20.5	1.5 - 3.5	5 - 7	8.5 - 10.5	18.5 - 20.5	8.5 - 10.5
Pentachlorophenol	800	6700		98.2 U	100 U	915 U	951 U	960 U	101 U	198 U
Phenanthrene	100000	500000		192 J	50.2 U	2940 D	4930 D	2880 D	50.3 U	255 JD
Phenol	330	500000		49.1 U	50.2 U	457 U	476 U	480 U	50.3 U	99.1 U
Pyrene	100000	500000		334	50.2 U	4940 D	6710 D	3690 D	50.3 U	99.1 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Stan

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standa

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of the calibration range in the original sample.

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-9	RSB-10	RSB-10	RSB-11 DUP	RSB-11	RSB-11
	Part 375	Part 375		2/19/2014	2/20/2014	2/20/2014	2/20/2014	2/20/2014	2/20/2014
	Unrestricted Use	Commercial (µg/kg)		18.5 - 20.5	7.5 - 9.5	17.5 - 19.5	7.5 - 9.5	7.5 - 9.5	17.5 - 19.5
1,1'-Biphenyl	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
1,2,4,5-Tetrachlorobenzene	--	--		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
2,2'-oxybis (1-chloropropane)	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
2,4,5-Trichlorophenol	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
2,4,6-Trichlorophenol	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
2,4-Dichlorophenol	--	--		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
2,4-Dimethylphenol	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
2,4-Dinitrophenol	--	--		204 U	193 U	198 U	189 U	190 U	195 U
2,4-Dinitrotoluene	--	--		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
2,6-Dinitrotoluene	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
2-Chloronaphthalene	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
2-Chlorophenol	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
2-Methylnaphthalene	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
2-Methylphenol	330	500000		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
2-Nitroaniline	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
2-Nitrophenol	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
3&4-Methylphenol	330	500000		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
3,3'-Dichlorobenzidine	--	--		204 U	193 U	198 U	189 U	190 U	195 U
3-Nitroaniline	--	--		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
4,6-Dinitro-2-methylphenol	--	--		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
4-Bromophenyl phenyl ether	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
4-Chloro-3-methylphenol	--	--		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
4-Chloroaniline	--	--		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
4-Chlorophenyl phenyl ether	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
4-Nitroaniline	--	--		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
4-Nitrophenol	--	--		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
Acenaphthene	20000	500000		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Acenaphthylene	100000	500000		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Acetophenone	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Anthracene	100000	500000		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Atrazine	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U



Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	Sample Designation:	RSB-9	RSB-10	RSB-10	RSB-11 DUP	RSB-11	RSB-11
			Sample Date:	2/19/2014	2/20/2014	2/20/2014	2/20/2014	2/20/2014	2/20/2014
			Sample Depth (ft bls):	18.5 - 20.5	7.5 - 9.5	17.5 - 19.5	7.5 - 9.5	7.5 - 9.5	17.5 - 19.5
Benzaldehyde	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Benzo[a]anthracene	1000	5600		51.3 U	48.5 U	88.2 J	47.5 U	47.9 U	49.1 U
Benzo[a]pyrene	1000	1000		51.3 U	48.5 U	114 J	47.5 U	47.9 U	49.1 U
Benzo[b]fluoranthene	1000	5600		51.3 U	48.5 U	71.2 J	47.5 U	47.9 U	49.1 U
Benzo[g,h,i]perylene	100000	500000		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
Benzo[k]fluoranthene	800	56000		51.3 U	48.5 U	88.5 J	47.5 U	47.9 U	49.1 U
Bis(2-chloroethoxy)methane	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Bis(2-chloroethyl) ether	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Bis(2-ethylhexyl) phthalate	--	--		51.3 U	48.5 U	49.8 U	81.5 J	72.9 J	49.1 U
Butylbenzyl phthalate	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Caprolactam	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Carbazole	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Chrysene	1000	56000		51.3 U	48.5 U	92.1 J	47.5 U	47.9 U	49.1 U
Dibenzo[a,h]anthracene	330	560		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Dibenzofuran	7000	350000		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Diethyl phthalate	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Dimethyl phthalate	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Di-n-butyl phthalate	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Di-n-octyl phthalate	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Fluoranthene	100000	500000		51.3 U	48.5 U	183 J	47.5 U	47.9 U	49.1 U
Fluorene	30000	500000		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Hexachlorobenzene	330	6000		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Hexachlorobutadiene	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Hexachlorocyclopentadiene	--	--		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
Hexachloroethane	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Indeno[1,2,3-cd]pyrene	500	5600		51.3 U	48.5 U	68.8 J	47.5 U	47.9 U	49.1 U
Isophorone	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Naphthalene	12000	500000		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Nitrobenzene	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
n-Nitrosodi-n-propylamine	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
n-Nitrosodiphenylamine	--	--		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	<b>Sample Designation:</b>	RSB-9	RSB-10	RSB-10	RSB-11 DUP	RSB-11	RSB-11
			<b>Sample Date:</b>	2/19/2014	2/20/2014	2/20/2014	2/20/2014	2/20/2014	2/20/2014
			<b>Sample Depth (ft bls):</b>	18.5 - 20.5	7.5 - 9.5	17.5 - 19.5	7.5 - 9.5	7.5 - 9.5	17.5 - 19.5
Pentachlorophenol	800	6700		103 U	97 U	99.6 U	95 U	95.7 U	98.2 U
Phenanthrene	100000	500000		51.3 U	48.5 U	130 J	47.5 U	47.9 U	49.1 U
Phenol	330	500000		51.3 U	48.5 U	49.8 U	47.5 U	47.9 U	49.1 U
Pyrene	100000	500000		51.3 U	48.5 U	166 J	47.5 U	47.9 U	49.1 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Stan

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Standa

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of the calibration range in the original sample.

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-12	RSB-12	RSB-13 DUP	RSB-13	RSB-13	RSB-14/4D
	Part 375	Part 375		2/12/2014	2/12/2014	2/12/2014	2/12/2014	2/12/2014	2/10/2014
	Unrestricted Use	Commercial (µg/kg)		9 - 11	18 - 20	9 - 11	9 - 11	19 - 21	2.5 - 3
1,1'-Biphenyl	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
1,2,4,5-Tetrachlorobenzene	--	--		95.3 U	96 U	102 U	102 U	101 U	857 U
2,2'-oxybis (1-chloropropane)	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
2,4,5-Trichlorophenol	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
2,4,6-Trichlorophenol	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
2,4-Dichlorophenol	--	--		95.3 U	96 U	102 U	102 U	101 U	857 U
2,4-Dimethylphenol	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
2,4-Dinitrophenol	--	--		189 U	191 U	202 U	203 U	201 U	1700 U
2,4-Dinitrotoluene	--	--		95.3 U	96 U	102 U	102 U	101 U	857 U
2,6-Dinitrotoluene	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
2-Chloronaphthalene	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
2-Chlorophenol	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
2-Methylnaphthalene	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
2-Methylphenol	330	500000		95.3 U	96 U	102 U	102 U	101 U	857 U
2-Nitroaniline	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
2-Nitrophenol	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
3&4-Methylphenol	330	500000		95.3 U	96 U	102 U	102 U	101 U	857 U
3,3'-Dichlorobenzidine	--	--		189 U	191 U	202 U	203 U	201 U	1700 U
3-Nitroaniline	--	--		95.3 U	96 U	102 U	102 U	101 U	857 U
4,6-Dinitro-2-methylphenol	--	--		95.3 U	96 U	102 U	102 U	101 U	857 U
4-Bromophenyl phenyl ether	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
4-Chloro-3-methylphenol	--	--		95.3 U	96 U	102 U	102 U	101 U	857 U
4-Chloroaniline	--	--		95.3 U	96 U	102 U	102 U	101 U	857 U
4-Chlorophenyl phenyl ether	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
4-Nitroaniline	--	--		95.3 U	96 U	102 U	102 U	101 U	857 U
4-Nitrophenol	--	--		95.3 U	96 U	102 U	102 U	101 U	857 U
Acenaphthene	20000	500000		47.6 U	48 U	50.8 U	78.3 J	50.5 U	428 U
Acenaphthylene	100000	500000		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Acetophenone	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Anthracene	100000	500000		76.4 J	48 U	144 J	252	50.5 U	503 JD
Atrazine	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation: Sample Date: Sample Depth (ft bls):	RSB-12	RSB-12	RSB-13 DUP	RSB-13	RSB-13	RSB-14/4D
	Part 375	Part 375		2/12/2014	2/12/2014	2/12/2014	2/12/2014	2/12/2014	2/10/2014
	Unrestricted Use	Commercial (µg/kg)		9 - 11	18 - 20	9 - 11	9 - 11	19 - 21	2.5 - 3
Benzaldehyde	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Benzo[a]anthracene	1000	5600		248	48 U	327	527	50.5 U	<b>1480 JD</b>
Benzo[a]pyrene	1000	1000		214	48 U	268	440	50.5 U	<b>1470 JD</b>
Benzo[b]fluoranthene	1000	5600		171 J	48 U	267	456	50.5 U	<b>1990 D</b>
Benzo[g,h,i]perylene	100000	500000		95.3 U	96 U	113 J	214	101 U	857 U
Benzo[k]fluoranthene	800	56000		214	48 U	219	400	50.5 U	<b>1660 JD</b>
Bis(2-chloroethoxy)methane	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Bis(2-chloroethyl) ether	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Bis(2-ethylhexyl) phthalate	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Butylbenzyl phthalate	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Caprolactam	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Carbazole	--	--		47.6 U	48 U	55.7 J	105 J	50.5 U	428 U
Chrysene	1000	56000		269	48 U	358	581	50.5 U	<b>1610 JD</b>
Dibenzo[a,h]anthracene	330	560		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Dibenzofuran	7000	350000		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Diethyl phthalate	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Dimethyl phthalate	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Di-n-butyl phthalate	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Di-n-octyl phthalate	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Fluoranthene	100000	500000		606	48 U	742	1230	50.5 U	3450 D
Fluorene	30000	500000		47.6 U	48 U	98 J	138 J	50.5 U	428 U
Hexachlorobenzene	330	6000		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Hexachlorobutadiene	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Hexachlorocyclopentadiene	--	--		95.3 U	96 U	102 U	102 U	101 U	857 U
Hexachloroethane	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Indeno[1,2,3-cd]pyrene	500	5600		50.3 J	48 U	131 J	230	50.5 U	<b>557 JD</b>
Isophorone	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Naphthalene	12000	500000		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Nitrobenzene	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
n-Nitrosodi-n-propylamine	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
n-Nitrosodiphenylamine	--	--		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	<b>Sample Designation:</b>	RSB-12	RSB-12	RSB-13 DUP	RSB-13	RSB-13	RSB-14/4D
			<b>Sample Date:</b>	2/12/2014	2/12/2014	2/12/2014	2/12/2014	2/12/2014	2/10/2014
			<b>Sample Depth (ft bls):</b>	9 - 11	18 - 20	9 - 11	9 - 11	19 - 21	2.5 - 3
Pentachlorophenol	800	6700		95.3 U	96 U	102 U	102 U	101 U	857 U
Phenanthrene	100000	500000		418	48 U	535	820	50.5 U	2390 D
Phenol	330	500000		47.6 U	48 U	50.8 U	51.1 U	50.5 U	428 U
Pyrene	100000	500000		555	48 U	513	783	50.5 U	2290 D

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Stan

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Stand

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation:	RSB-14/4D	RSB-14/4D	RSB-14/4D
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)	Sample Date:	2/10/2014	2/10/2014	2/10/2014
			Sample Depth (ft bls):	5 - 7	10 - 11	38 - 40
1,1'-Biphenyl	--	--		437 U	1210 U	50.3 U
1,2,4,5-Tetrachlorobenzene	--	--		874 U	2410 U	101 U
2,2'-oxybis (1-chloropropane)	--	--		437 U	1210 U	50.3 U
2,4,5-Trichlorophenol	--	--		437 U	1210 U	50.3 U
2,4,6-Trichlorophenol	--	--		437 U	1210 U	50.3 U
2,4-Dichlorophenol	--	--		874 U	2410 U	101 U
2,4-Dimethylphenol	--	--		437 U	1210 U	50.3 U
2,4-Dinitrophenol	--	--		1740 U	4800 U	200 U
2,4-Dinitrotoluene	--	--		874 U	2410 U	101 U
2,6-Dinitrotoluene	--	--		437 U	1210 U	50.3 U
2-Chloronaphthalene	--	--		437 U	1210 U	50.3 U
2-Chlorophenol	--	--		437 U	1930 JD	50.3 U
2-Methylnaphthalene	--	--		437 U	4540 JD	50.3 U
2-Methylphenol	330	500000		874 U	2410 U	101 U
2-Nitroaniline	--	--		437 U	1210 U	50.3 U
2-Nitrophenol	--	--		437 U	1210 U	50.3 U
3&4-Methylphenol	330	500000		874 U	2410 U	101 U
3,3'-Dichlorobenzidine	--	--		1740 U	4800 U	200 U
3-Nitroaniline	--	--		874 U	2410 U	101 U
4,6-Dinitro-2-methylphenol	--	--		874 U	2410 U	101 U
4-Bromophenyl phenyl ether	--	--		437 U	1210 U	50.3 U
4-Chloro-3-methylphenol	--	--		874 U	2410 U	101 U
4-Chloroaniline	--	--		874 U	2410 U	101 U
4-Chlorophenyl phenyl ether	--	--		437 U	1210 U	50.3 U
4-Nitroaniline	--	--		874 U	2410 U	101 U
4-Nitrophenol	--	--		874 U	2410 U	101 U
Acenaphthene	20000	500000		437 U	1210 U	50.3 U
Acenaphthylene	100000	500000		437 U	1210 U	50.3 U
Acetophenone	--	--		437 U	1210 U	50.3 U
Anthracene	100000	500000		707 JD	1210 U	50.3 U
Atrazine	--	--		437 U	1210 U	50.3 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC	NYSDEC	Sample Designation:	RSB-14/4D	RSB-14/4D	RSB-14/4D
	Part 375 Unrestricted Use	Part 375 Commercial (µg/kg)	Sample Date:	2/10/2014	2/10/2014	2/10/2014
			Sample Depth (ft bls):	5 - 7	10 - 11	38 - 40
Benzaldehyde	--	--		437 U	1210 U	50.3 U
Benzo[a]anthracene	1000	5600		<b>1730 D</b>	1210 U	50.3 U
Benzo[a]pyrene	1000	1000		<b>1560 JD</b>	1210 U	50.3 U
Benzo[b]fluoranthene	1000	5600		<b>1410 JD</b>	1210 U	50.3 U
Benzo[g,h,i]perylene	100000	500000		874 U	2410 U	101 U
Benzo[k]fluoranthene	800	56000		<b>1780 D</b>	1210 U	50.3 U
Bis(2-chloroethoxy)methane	--	--		437 U	1210 U	50.3 U
Bis(2-chloroethyl) ether	--	--		437 U	1210 U	50.3 U
Bis(2-ethylhexyl) phthalate	--	--		437 U	1210 U	50.3 U
Butylbenzyl phthalate	--	--		437 U	1210 U	50.3 U
Caprolactam	--	--		437 U	1210 U	50.3 U
Carbazole	--	--		437 U	1210 U	50.3 U
Chrysene	1000	56000		<b>1900 D</b>	1210 U	50.3 U
Dibenzo[a,h]anthracene	330	560		437 U	1210 U	50.3 U
Dibenzofuran	7000	350000		437 U	1210 U	50.3 U
Diethyl phthalate	--	--		437 U	1210 U	50.3 U
Dimethyl phthalate	--	--		437 U	1210 U	50.3 U
Di-n-butyl phthalate	--	--		437 U	1210 U	50.3 U
Di-n-octyl phthalate	--	--		437 U	1210 U	50.3 U
Fluoranthene	100000	500000		4180 D	1210 U	50.3 U
Fluorene	30000	500000		437 U	1210 U	50.3 U
Hexachlorobenzene	330	6000		437 U	1210 U	50.3 U
Hexachlorobutadiene	--	--		437 U	1210 U	50.3 U
Hexachlorocyclopentadiene	--	--		874 U	2410 U	101 U
Hexachloroethane	--	--		437 U	1210 U	50.3 U
Indeno[1,2,3-cd]pyrene	500	5600		489 JD	1210 U	50.3 U
Isophorone	--	--		437 U	1210 U	50.3 U
Naphthalene	12000	500000		437 U	2630 JD	50.3 U
Nitrobenzene	--	--		437 U	1210 U	50.3 U
n-Nitrosodi-n-propylamine	--	--		437 U	1210 U	50.3 U
n-Nitrosodiphenylamine	--	--		437 U	1210 U	50.3 U

Table 2. Summary of Semivolatile Organic Compounds in Soil, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/kg)	NYSDEC Part 375 Unrestricted Use	NYSDEC Part 375 Commercial (µg/kg)	<b>Sample Designation:</b> RSB-14/4D	RSB-14/4D	RSB-14/4D
			<b>Sample Date:</b> 2/10/2014	2/10/2014	2/10/2014
			<b>Sample Depth (ft bls):</b> 5 - 7	10 - 11	38 - 40
Pentachlorophenol	800	6700	874 U	2410 U	101 U
Phenanthrene	100000	500000	3110 D	1210 U	50.3 U
Phenol	330	500000	437 U	1210 U	50.3 U
Pyrene	100000	500000	2770 D	1210 U	50.3 U

J - Estimated value

U - Indicates that the compound was analyzed for but not detected

DUP - Duplicate sample

µg/kg - Micrograms per kilogram

ft bls - Feet below land surface

NYSDEC - New York State Department of Environmental Conservation

-- No NYSDEC Part 375 Standards available

Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use Stan

Shaded data indicates that parameter was detected above the NYSDEC Part 375 Commercial Stand

NA - Compound was not analyzed by laboratory

D - a secondary analysis after dilution due to exceedance

of the calibration range in the original sample.



Table 3. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs	Sample Designation:	MW-1	MW-2	MW-3	MW-4D	MW-6	MW-7	MW-7 DUP
	(µg/L)	Sample Date:	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014
1,1,1-Trichloroethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2,2-Tetrachloroethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1,2-Trichloroethane	1		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,1-Dichloroethene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,3-Trichlorobenzene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dibromoethane	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichlorobenzene	3		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloroethane	0.6		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2-Dichloropropane	1		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,3-Dichlorobenzene	3		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dichlorobenzene	3		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,4-Dioxane	--		NA	NA	NA	NA	NA	NA	NA
2-Butanone (MEK)	50		0.5 U	0.5 U	0.5 U	0.5 U	5	0.97	0.5 U
2-Hexanone	50		0.2 U	0.2 U	0.2 U	0.2 U	8.1	0.2 U	0.2 U
4-Methyl-2-pentanone (MIBK)	--		0.2 U	0.2 U	0.2 U	0.2 U	3.2	0.2 U	0.2 U
Acetone	50		2.4 B	13 B	4.7 B	8.8 B	28 B	3 B	6 B
Benzene	1		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromochloromethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromodichloromethane	50		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromoform	50		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Bromomethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Carbon disulfide	60		0.2 U	0.2 U	0.2 U	0.2 U	1	0.41 J	0.2 U
Carbon tetrachloride	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chlorobenzene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloroform	7		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Chloromethane	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-1,2-Dichloroethene	5		1.4	0.56	0.2 U	0.75	0.2 U	0.2 U	0.2 U
cis-1,3-Dichloropropene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Cyclohexane	--		0.2 U	0.2 U	0.2 U	0.4 J	0.2 U	0.2 U	0.2 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	MW-1	MW-2	MW-3	MW-4D	MW-6	MW-7	MW-7 DUP
			2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014
Dibromochloromethane	50		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dibromochloropropane	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Dichlorodifluoromethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Ethylbenzene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Freon 113	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Isopropylbenzene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
m+p-Xylene	5		0.5 U	0.5 U	0.5 U	1.4	0.5 U	0.5 U	0.5 U
Methyl acetate	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Methylcyclohexane	--		0.2 U	0.2 U	0.2 U	0.36 J	0.2 U	0.2 U	0.2 U
Methylene chloride	5		1 U	1 U	1 U	1 U	1 U	1 U	1 U
MTBE	10		0.27 J	0.2 U	0.2 U	0.23 J	0.2 U	0.2 U	0.2 U
o-Xylene	5		0.2 U	0.2 U	0.2 U	0.96	0.2 U	0.2 U	0.2 U
Styrene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Tetrachloroethene	5		0.27 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Toluene	5		0.2 U	0.2 U	0.2 U	0.47 J	0.2 U	0.2 U	0.2 U
trans-1,2-Dichloroethene	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
trans-1,3-Dichloropropene	--		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Trichloroethene	5		0.2 U	0.2 U	0.2 U	0.22 J	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	5		0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Vinyl chloride	2		0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Xylenes (total)	5		0.6 U	0.6 U	0.6 U	2.4	0.6 U	0.6 U	0.6 U

NYSDEC - New York State Department of Environmental Conservation  
 AWQSGVs - Ambient Water-Quality Standards and Guidance Values  
 µg/L -Micrograms per liter  
 J - Estimated Value  
 U - Compound was analyzed for but not detected  
 DUP - Duplicate  
 -- No NYSDEC AWQSGV available  
 Bold data indicates that parameter was detected above the NYSDEC AWQSGVs  
 NA - Compound was not analyzed by laboratory

Table 3. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	<b>Sample Designation:</b> FB021014 FB021214 FB021814 FB021914 FB022014 FB022114 FB022414							
		<b>Sample Date:</b> 2/10/2014 2/12/2014 2/18/2014 2/19/2014 2/20/2014 2/21/2014 2/24/2014							
		Soil FB	Soil FB	Soil FB	Soil FB	Soil FB	Soil FB	Soil FB	GW FB
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,1,2,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,1,2-Trichloroethane	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,1-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,2-Dibromoethane	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,2-Dichloroethane	0.6	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,2-Dichloropropane	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
1,4-Dioxane	--	50 U	50 U	50 U	50 U	50 U	50 U	50 U	NA
2-Butanone (MEK)	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U
2-Hexanone	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
4-Methyl-2-pentanone (MIBK)	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Acetone	50	19 B	4.3 J	2.5 U	5.1 J	8.8 J	25	3.8 B	
Benzene	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Bromodichloromethane	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Bromoform	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Carbon disulfide	60	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Carbon tetrachloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Chloromethane	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
cis-1,3-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Cyclohexane	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	<b>Sample Designation:</b> FB021014 FB021214 FB021814 FB021914 FB022014 FB022114 FB022414							
		<b>Sample Date:</b> 2/10/2014 2/12/2014 2/18/2014 2/19/2014 2/20/2014 2/21/2014 2/24/2014							
		Soil FB	Soil FB	Soil FB	Soil FB	Soil FB	Soil FB	Soil FB	GW FB
Dibromochloromethane	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Dibromochloropropane	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Dichlorodifluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Freon 113	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Isopropylbenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
m+p-Xylene	5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	0.5 U
Methyl acetate	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Methylcyclohexane	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Methylene chloride	5	<b>5.1 JB</b>	2.5 U	<b>6.7 JB</b>	<b>6 JB</b>	4.2 JB	4 JB	1 U	
MTBE	10	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
o-Xylene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Styrene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Tetrachloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Toluene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
trans-1,3-Dichloropropene	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Trichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.2 U
Vinyl chloride	2	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	0.5 U
Xylenes (total)	5	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	0.6 U

NYSDEC - New York State Department of Environmental Conservation  
 AWQSGVs - Ambient Water-Quality Standards and Guidance Values  
 µg/L -Micrograms per liter  
 J - Estimated Value  
 U - Compound was analyzed for but not detected  
 DUP - Duplicate  
 -- No NYSDEC AWQSGV available  
 Bold data indicates that parameter was detected above the NYSDEC AWQSGVs  
 NA - Compound was not analyzed by laboratory

Table 3. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	<b>Sample Designation:</b> TB021014 TB021214 TB021814 TB021914 TB-2/021214 Trip Blank TRIPBLANK												
		<b>Sample Date:</b> 2/10/2014		2/12/2014		2/18/2014		2/19/2014		2/12/2014		2/21/2014		2/20/2014
		Soil TB	Soil TB	Soil TB	Soil TB	Soil TB	Soil TB	Soil TB	Soil TB	Soil TB	Soil TB	Soil TB	Soil TB	Soil TB
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2-Trichloroethane	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloropropane	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dioxane	--	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Butanone (MEK)	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Methyl-2-pentanone (MIBK)	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Acetone	50	2.5 U	2.5 U	2.9 J	2.5 U	4.3 JB	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	4.8 J
Benzene	1	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromoform	50	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromomethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon disulfide	60	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon tetrachloride	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
cis-1,3-Dichloropropene	5	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cyclohexane	--	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation:		TB021014	TB021214	TB021814	TB021914	TB-2/021214	Trip Blank	TRIPBLANK
		Sample Date:		2/10/2014	2/12/2014	2/18/2014	2/19/2014	2/12/2014	2/21/2014	2/20/2014
				Soil TB	Soil TB	Soil TB	Soil TB	Soil TB	Soil TB	Soil TB
Dibromochloromethane	50			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloropropane	--			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dichlorodifluoromethane	5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Freon 113	--			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene	5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
m+p-Xylene	5			5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl acetate	--			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylcyclohexane	--			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methylene chloride	5			2.9 JB	2.5 U	<b>6.3 JB</b>	<b>6.4 JB</b>	3.8 JB	3.9 JB	4 JB
MTBE	10			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
o-Xylene	5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethene	5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Toluene	5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,2-Dichloroethene	5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
trans-1,3-Dichloropropene	--			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethene	5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichlorofluoromethane	5			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl chloride	2			2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Xylenes (total)	5			7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U	7.5 U

NYSDEC - New York State Department of Environmental Conservation  
 AWQSGVs - Ambient Water-Quality Standards and Guidance Values  
 µg/L -Micrograms per liter  
 J - Estimated Value  
 U - Compound was analyzed for but not detected  
 DUP - Duplicate  
 -- No NYSDEC AWQSGV available  
 Bold data indicates that parameter was detected above the NYSDEC AWQSGVs  
 NA - Compound was not analyzed by laboratory

Table 3. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: TRIPBLANK Sample Date: 2/24/2014 GW TB
1,1,1-Trichloroethane	5	2.5 U
1,1,2,2-Tetrachloroethane	5	2.5 U
1,1,2-Trichloroethane	1	2.5 U
1,1-Dichloroethane	5	2.5 U
1,1-Dichloroethene	5	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U
1,2,4-Trichlorobenzene	5	2.5 U
1,2-Dibromoethane	--	2.5 U
1,2-Dichlorobenzene	3	2.5 U
1,2-Dichloroethane	0.6	2.5 U
1,2-Dichloropropane	1	2.5 U
1,3-Dichlorobenzene	3	2.5 U
1,4-Dichlorobenzene	3	2.5 U
1,4-Dioxane	--	50 U
2-Butanone (MEK)	50	2.5 U
2-Hexanone	50	2.5 U
4-Methyl-2-pentanone (MIBK)	--	2.5 U
Acetone	50	4.8 J
Benzene	1	2.5 U
Bromochloromethane	5	2.5 U
Bromodichloromethane	50	2.5 U
Bromoform	50	2.5 U
Bromomethane	5	2.5 U
Carbon disulfide	60	2.5 U
Carbon tetrachloride	5	2.5 U
Chlorobenzene	5	2.5 U
Chloroethane	5	2.5 U
Chloroform	7	2.5 U
Chloromethane	--	2.5 U
cis-1,2-Dichloroethene	5	2.5 U
cis-1,3-Dichloropropene	5	2.5 U
Cyclohexane	--	2.5 U

Table 3. Summary of Volatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: Sample Date:	TRIPBLANK 2/24/2014 GW TB
Dibromochloromethane	50		2.5 U
Dibromochloropropane	--		2.5 U
Dichlorodifluoromethane	5		2.5 U
Ethylbenzene	5		2.5 U
Freon 113	--		2.5 U
Isopropylbenzene	5		2.5 U
m+p-Xylene	5		5 U
Methyl acetate	--		2.5 U
Methylcyclohexane	--		2.5 U
Methylene chloride	5		4 JB
MTBE	10		2.5 U
o-Xylene	5		2.5 U
Styrene	5		2.5 U
Tetrachloroethene	5		2.5 U
Toluene	5		2.5 U
trans-1,2-Dichloroethene	5		2.5 U
trans-1,3-Dichloropropene	--		2.5 U
Trichloroethene	5		2.5 U
Trichlorofluoromethane	5		2.5 U
Vinyl chloride	2		2.5 U
Xylenes (total)	5		7.5 U

NYSDEC - New York State Department of Environmental Conservation  
 AWQSGVs - Ambient Water-Quality Standards and Guidance Values  
 µg/L -Micrograms per liter  
 J - Estimated Value  
 U - Compound was analyzed for but not detected  
 DUP - Duplicate  
 -- No NYSDEC AWQSGV available  
 Bold data indicates that parameter was detected above the NYSDEC AWQSGVs  
 NA - Compound was not analyzed by laboratory



Table 4. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation:		MW-1	MW-2	MW-3	MW-4D	MW-6	MW-7	MW-7 DUP
		Sample Date:	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014
1,1'-Biphenyl	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
1,2,4,5-Tetrachlorobenzene	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2,2'-oxybis (1-chloropropane)	5		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2,4,5-Trichlorophenol	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2,4,6-Trichlorophenol	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2,4-Dichlorophenol	5		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2,4-Dimethylphenol	50		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2,4-Dinitrophenol	10		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2,4-Dinitrotoluene	5		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2,6-Dinitrotoluene	5		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2-Chloronaphthalene	10		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2-Chlorophenol	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2-Methylnaphthalene	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2-Methylphenol	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2-Nitroaniline	5		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
2-Nitrophenol	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
3&4-Methylphenol	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
3,3'-Dichlorobenzidine	5		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
3-Nitroaniline	5		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
4,6-Dinitro-2-methylphenol	--		0.72	0.103 U	0.103 U	0.118 U	0.114 U	0.121 U	0.118 U	
4-Bromophenyl phenyl ether	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
4-Chloro-3-methylphenol	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
4-Chloroaniline	5		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
4-Chlorophenyl phenyl ether	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
4-Nitroaniline	5		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
4-Nitrophenol	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
Acenaphthene	20		0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.149	0.0727	0.0824	
Acenaphthylene	20		0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U	0.0588 U	
Acetophenone	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	
Anthracene	50		0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.137	0.0606 U	0.0588 U	
Atrazine	--		0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U	0.0588 U	
Benzaldehyde	--		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U	

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation:		MW-1	MW-2	MW-3	MW-4D	MW-6	MW-7	MW-7 DUP
		Sample Date:		2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014
Benzo[a]anthracene	0.002			0.0667 U	0.0513 U	0.0513 U	0.0588 U	<b>0.0686</b>	0.0606 U	0.0588 U
Benzo[a]pyrene	0			0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U	0.0588 U
Benzo[b]fluoranthene	0.002			0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U	0.0588 U
Benzo[g,h,i]perylene	--			0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U	0.0588 U
Benzo[k]fluoranthene	0.002			0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U	0.0588 U
Bis(2-chloroethoxy)methane	5			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Bis(2-chloroethyl) ether	--			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Bis(2-ethylhexyl) phthalate	5			0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	<b>39.6</b>	<b>6.98</b>
Butylbenzyl phthalate	50			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Caprolactam	--			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Carbazole	--			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Chrysene	0.002			0.0667 U	0.0513 U	0.0513 U	0.0588 U	<b>0.0686</b>	0.0606 U	0.0588 U
Dibenzo[a,h]anthracene	--			0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U	0.0588 U
Dibenzofuran	--			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Diethyl phthalate	50			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Dimethyl phthalate	50			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Di-n-butyl phthalate	50			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Di-n-octyl phthalate	--			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Fluoranthene	50			0.0667 U	0.0513 U	0.0513 U	0.106	0.263	0.097	0.0941
Fluorene	50			0.0667 U	0.0513 U	0.0513 U	0.0706	0.206	0.0606 U	0.0588 U
Hexachlorobenzene	0.04			0.0267 U	0.0205 U	0.0205 U	0.0235 U	0.0229 U	0.0242 U	0.0235 U
Hexachlorobutadiene	0.5			0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U	0.0588 U
Hexachlorocyclopentadiene	5			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Hexachloroethane	5			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Indeno[1,2,3-cd]pyrene	0.002			0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U	0.0588 U
Isophorone	50			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Naphthalene	10			0.0667 U	0.0513 U	0.0513 U	0.353	0.171	0.097	0.106
Nitrobenzene	0.4			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
n-Nitrosodi-n-propylamine	--			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
n-Nitrosodiphenylamine	50			3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Pentachlorophenol	1			0.0667 U	0.0513 U	0.0513 U	0.0588 U	0.0571 U	0.0606 U	0.0588 U
Phenanthrene	50			0.0667 U	0.0513 U	0.0513 U	0.2	0.697	0.109	0.129

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	<b>Sample Designation:</b> <b>Sample Date:</b>	MW-1	MW-2	MW-3	MW-4D	MW-6	MW-7	MW-7 DUP
			2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014
Phenol	1		3.33 U	2.56 U	2.56 U	2.94 U	2.86 U	3.03 U	2.94 U
Pyrene	50		0.0667 U	0.0513 U	0.0513 U	0.106	0.194	0.0606 U	0.0588 U

NYSDEC - New York State Department of Environmental Conservation  
 AWQSGVs - Ambient Water-Quality Standards and Guidance Values  
 µg/L -Micrograms per liter  
 J - Estimated Value  
 U - Compound was analyzed for but not detected  
 DUP - Duplicate  
 - - No NYSDEC AWQSGV available  
 Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: FB022414 FB021014 FB021214 FB021814 FB021914 FB022014 FB022114													
		Sample Date: 2/24/2014		2/10/2014		2/12/2014		2/18/2014		2/19/2014		2/20/2014		2/21/2014	
		GW	FB	Soil	FB	Soil	FB	Soil	FB	Soil	FB	Soil	FB	Soil	FB
1,1'-Biphenyl	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
1,2,4,5-Tetrachlorobenzene	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2,2'-oxybis (1-chloropropane)	5	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2,4,5-Trichlorophenol	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2,4,6-Trichlorophenol	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2,4-Dichlorophenol	5	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2,4-Dimethylphenol	50	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2,4-Dinitrophenol	10	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2,4-Dinitrotoluene	5	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2,6-Dinitrotoluene	5	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2-Chloronaphthalene	10	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2-Chlorophenol	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2-Methylnaphthalene	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2-Methylphenol	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2-Nitroaniline	5	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
2-Nitrophenol	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
3&4-Methylphenol	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
3,3'-Dichlorobenzidine	5	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
3-Nitroaniline	5	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
4,6-Dinitro-2-methylphenol	--	0.111	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
4-Bromophenyl phenyl ether	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
4-Chloro-3-methylphenol	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
4-Chloroaniline	5	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
4-Chlorophenyl phenyl ether	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
4-Nitroaniline	5	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
4-Nitrophenol	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
Acenaphthene	20	0.0556	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
Acenaphthylene	20	0.0556	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
Acetophenone	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
Anthracene	50	0.0556	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
Atrazine	--	0.0556	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U
Benzaldehyde	--	2.78	U	2.7	U	2.63	U	3.12	U	3.23	U	3.57	U	2.7	U

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: FB022414 FB021014 FB021214 FB021814 FB021914 FB022014 FB022114													
		Sample Date: 2/24/2014		2/10/2014		2/12/2014		2/18/2014		2/19/2014		2/20/2014		2/21/2014	
		GW	FB	Soil	FB	Soil	FB	Soil	FB	Soil	FB	Soil	FB	Soil	FB
Benzo[a]anthracene	0.002	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Benzo[a]pyrene	0	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Benzo[b]fluoranthene	0.002	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Benzo[g,h,i]perylene	--	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Benzo[k]fluoranthene	0.002	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Bis(2-chloroethoxy)methane	5	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Bis(2-chloroethyl) ether	--	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Bis(2-ethylhexyl) phthalate	5	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Butylbenzyl phthalate	50	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Caprolactam	--	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Carbazole	--	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Chrysene	0.002	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Dibenzo[a,h]anthracene	--	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Dibenzofuran	--	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Diethyl phthalate	50	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Dimethyl phthalate	50	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Di-n-butyl phthalate	50	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Di-n-octyl phthalate	--	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Fluoranthene	50	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Fluorene	50	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Hexachlorobenzene	0.04	0.0222 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Hexachlorobutadiene	0.5	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Hexachlorocyclopentadiene	5	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Hexachloroethane	5	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Indeno[1,2,3-cd]pyrene	0.002	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Isophorone	50	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Naphthalene	10	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Nitrobenzene	0.4	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
n-Nitrosodi-n-propylamine	--	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
n-Nitrosodiphenylamine	50	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Pentachlorophenol	1	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							
Phenanthrene	50	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U							

Table 4. Summary of Semivolatile Organic Compounds in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	<b>Sample Designation:</b> FB022414 FB021014 FB021214 FB021814 FB021914 FB022014 FB022114							
		<b>Sample Date:</b> 2/24/2014 2/10/2014 2/12/2014 2/18/2014 2/19/2014 2/20/2014 2/21/2014							
		GW FB	Soil FB	Soil FB	Soil FB	Soil FB	Soil FB	Soil FB	Soil FB
Phenol	1	2.78 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U	
Pyrene	50	0.0556 U	2.7 U	2.63 U	3.12 U	3.23 U	3.57 U	2.7 U	

NYSDEC - New York State Department of Environmental Conservation  
 AWQSGVs - Ambient Water-Quality Standards and Guidance Values  
 µg/L -Micrograms per liter  
 J - Estimated Value  
 U - Compound was analyzed for but not detected  
 DUP - Duplicate  
 - - No NYSDEC AWQSGV available  
 Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 5. Summary of Metals in Groundwater, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in µg/L)	NYSDEC AWQSGVs (µg/L)	Sample Designation: MW-1 MW-2 MW-3 MW-4D MW-6 MW-7 MW-7 DUP FB022414								
		Sample Date: 2/24/2014 2/24/2014 2/24/2014 2/24/2014 2/24/2014 2/24/2014 2/24/2014 2/24/2014 2/24/2014								
Aluminum	--	1210	10 U	130	299	1790	23	15	10 U	
Antimony	3	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Arsenic	25	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	
Barium	1000	224	86	38	44	48	81	82	10 U	
Beryllium	3	1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U	
Cadmium	5	3 U	3 U	3 U	3 U	3 U	3 U	3 U	3 U	
Calcium	--	54400	115000	53900	38000	45300	38600	39700	50 U	
Chromium	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Cobalt	--	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Copper	200	28	3 U	3	3 U	7	3 U	3 U	3 U	
Iron	300	<b>33800</b>	20 U	106	<b>363</b>	<b>800</b>	41	37	20 U	
Lead	25	<b>39</b>	3 U	3 U	3 U	<b>27</b>	3 U	3 U	3 U	
Magnesium	--	8810	10900	8930	13000	1020	7050	7070	50 U	
Manganese	300	<b>1080</b>	15	<b>830</b>	<b>2180</b>	112	<b>6050</b>	<b>6070</b>	5 U	
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	
Nickel	100	5 U	5 U	5 U	7	6	5 U	5	5 U	
Potassium	--	7740	5050	6090	2890	2500	3310	3340	50 U	
Selenium	10	10 U	<b>15</b>	10 U	10 U	10 U	10	10 U	10 U	
Silver	50	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Sodium	20000	<b>69400</b>	11400	<b>39700</b>	<b>92100</b>	<b>25100</b>	<b>52400</b>	<b>52700</b>	100 U	
Thallium	0.5	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	
Vanadium	--	10 U	10 U	10 U	10 U	31	10 U	10 U	10 U	
Zinc	2000	72	45	13	16	31	10	12	10 U	

NYSDEC - New York State Department of Environmental Conservation  
 AWQSGVs - Ambient Water-Quality Standards and Guidance Values  
 µg/L -Micrograms per liter  
 J - Estimated Value  
 U - Compound was analyzed for but not detected  
 DUP - Duplicate  
 -- No NYSDEC AWQSGV available  
 Bold data indicates that parameter was detected above the NYSDEC AWQSGVs

Table 6. Summary of Volatile Organic Compounds in Soil Vapor and Ambient Air, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in ug/m <sup>3</sup> )	Sample Designation:	IA-1	SV-1	SV-2	SV-3	SV-4	SV-5	Outdoor Ambient
	Sample Date:	2/24/2014	2/24/2014	2/28/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014
1,1,1-Trichloroethane		0.55 U	11 U	12 U	11 U	12 U	9.6 U	0.55 U
1,1-Dichloroethane		0.41 U	8.5 U	9 U	8 U	8.8 U	7.2 U	0.41 U
Carbon tetrachloride		0.32 U	6.6 U	7 U	6.2 U	6.9 U	5.6 U	0.32 U
cis-1,2-Dichloroethene		<b>0.48</b>	8.3 U	8.8 U	7.8 U	8.6 U	7 U	0.4 U
Tetrachloroethene		<b>0.69</b>	14 U	15 U	13 U	<b>1100 D</b>	<b>88 D</b>	<b>0.83</b>
Trichloroethene		<b>1.2</b>	5.6 U	6 U	5.3 U	5.9 U	<b>13 D</b>	0.27 U
Vinyl chloride		0.26 U	5.3 U	5.7 U	5 U	5.6 U	4.5 U	0.26 U
1,1,2,2-Tetrachloroethane		0.7 U	14 U	15 U	14 U	15 U	12 U	0.7 U
1,1,2-Trichloroethane		0.55 U	11 U	12 U	11 U	12 U	9.6 U	0.55 U
1,1-Dichloroethene		0.4 U	8.3 U	8.8 U	7.8 U	8.6 U	7 U	0.4 U
1,2,4-Trichlorobenzene		0.75 U	16 U	17 U	15 U	16 U	13 U	0.75 U
1,2,4-Trimethylbenzene		0.5 U	10 U	11 U	9.7 U	11 U	8.7 U	<b>1.2</b>
1,2-Dibromoethane		0.78 U	16 U	17 U	15 U	17 U	14 U	0.78 U
1,2-Dichlorobenzene		0.61 U	13 U	13 U	12 U	13 U	11 U	0.61 U
1,2-Dichloroethane		<b>0.58</b>	8.5 U	9 U	8 U	8.8 U	7.2 U	0.41 U
1,2-Dichloropropane		0.47 U	9.7 U	10 U	9.1 U	10 U	8.2 U	0.47 U
1,3,5-Trimethylbenzene		0.5 U	10 U	11 U	9.7 U	11 U	8.7 U	0.5 U
1,3-BUTADIENE		0.44 U	9.1 U	9.7 U	8.5 U	9.5 U	7.7 U	0.44 U
1,3-Dichlorobenzene		0.61 U	13 U	13 U	12 U	13 U	11 U	0.61 U
1,4-Dichlorobenzene		0.61 U	13 U	13 U	12 U	13 U	11 U	0.61 U
1,4-Dioxane		0.37 U	7.5 U	8 U	7.1 U	7.9 U	6.4 U	0.37 U
2-Butanone (MEK)		<b>0.9</b>	6.2 U	6.6 U	5.8 U	6.4 U	5.2 U	<b>1.6</b>
2-Hexanone		0.83 U	17 U	18 U	16 U	18 U	14 U	0.83 U
4-Ethyltoluene		0.5 U	10 U	11 U	9.7 U	11 U	8.7 U	<b>1.4</b>
4-Methyl-2-pentanone (MIBK)		0.42 U	8.6 U	9.1 U	8.1 U	8.9 U	7.2 U	0.42 U
Acetone		<b>1.7</b>	5 U	5.3 U	<b>13 D</b>	<b>34 D</b>	<b>13 D</b>	<b>8</b>
Benzene		<b>0.39</b>	6.7 U	7.1 U	6.3 U	7 U	5.6 U	<b>0.88</b>
Benzyl chloride		0.53 U	11 U	12 U	10 U	11 U	9.2 U	0.53 U
Bromodichloromethane		0.63 U	13 U	14 U	12 U	14 U	11 U	0.63 U
Bromoform		1.1 U	22 U	23 U	20 U	23 U	18 U	1.1 U
Bromomethane		0.39 U	8.1 U	8.7 U	7.7 U	8.5 U	6.9 U	0.39 U
Carbon disulfide		0.32 U	6.5 U	6.9 U	6.1 U	6.8 U	5.5 U	0.32 U
Chlorobenzene		<b>0.47</b>	9.6 U	10 U	9.1 U	10 U	8.1 U	0.47 U
Chloroethane		0.27 U	5.5 U	5.9 U	5.2 U	5.8 U	4.7 U	0.27 U
Chloroform		0.5 U	10 U	11 U	9.6 U	11 U	8.6 U	0.5 U



Table 6. Summary of Volatile Organic Compounds in Soil Vapor and Ambient Air, Kristal Auto Mall, 5200 Kings Highway, Brooklyn, New York

Parameter (Concentrations in ug/m <sup>3</sup> )	Sample Designation:	IA-1	SV-1	SV-2	SV-3	SV-4	SV-5	Outdoor Ambient
	Sample Date:	2/24/2014	2/24/2014	2/28/2014	2/24/2014	2/24/2014	2/24/2014	2/24/2014
Chloromethane		0.21 U	4.3 U	4.6 U	4.1 U	4.5 U	3.7 U	<b>1.1</b>
cis-1,3-Dichloropropene		0.46 U	9.5 U	10 U	8.9 U	9.9 U	8 U	0.46 U
Cyclohexane		0.35 U	7.2 U	7.7 U	6.8 U	7.5 U	6.1 U	0.35 U
Dibromochloromethane		0.82 U	17 U	18 U	16 U	18 U	14 U	0.82 U
Dichlorodifluoromethane		0.5 U	10 U	11 U	9.7 U	11 U	8.7 U	<b>2.4</b>
Ethyl Acetate		0.37 U	7.5 U	8 U	7.1 U	7.9 U	6.4 U	0.37 U
Ethylbenzene		0.44 U	9.1 U	9.7 U	8.6 U	9.5 U	7.7 U	<b>0.88</b>
Freon 113		0.78 U	16 U	17 U	15 U	17 U	14 U	0.78 U
Freon 114		0.71 U	15 U	16 U	14 U	15 U	12 U	0.71 U
Hexachlorobutadiene		1.1 U	22 U	24 U	21 U	23 U	19 U	1.1 U
ISOPROPANOL		0.5 U	10 U	11 U	9.7 U	11 U	8.7 U	0.5 U
m+p-Xylene		0.88 U	18 U	19 U	<b>31 D</b>	19 U	15 U	<b>2.7</b>
Methyl Methacrylate		0.42 U	8.6 U	9.1 U	8.1 U	8.9 U	7.2 U	0.42 U
Methylene chloride		<b>1.1 B</b>	<b>11 BD</b>	<b>8.5 BD</b>	<b>7.5 BD</b>	<b>9.1 BD</b>	<b>16 BD</b>	<b>1.2 B</b>
MTBE		0.37 U	7.5 U	8 U	7.1 U	7.9 U	6.4 U	0.37 U
N-HEPTANE		0.42 U	8.6 U	9.1 U	8.1 U	8.9 U	7.2 U	<b>0.54</b>
N-HEXANE		0.36 U	7.4 U	7.9 U	6.9 U	7.7 U	6.2 U	<b>0.39</b>
o-Xylene		0.44 U	9.1 U	9.7 U	<b>8.6 D</b>	9.5 U	7.7 U	<b>0.84</b>
Propene		0.18 U	3.6 U	3.8 U	3.4 U	3.8 U	3 U	0.18 U
Styrene		0.43 U	8.9 U	9.5 U	8.4 U	9.3 U	7.5 U	0.43 U
TETRAHYDROFURAN		<b>0.66</b>	6.2 U	6.6 U	5.8 U	6.4 U	5.2 U	0.3 U
Toluene		<b>0.5</b>	7.9 U	8.4 U	<b>24 D</b>	8.2 U	6.7 U	<b>3.3</b>
trans-1,2-Dichloroethene		0.4 U	8.3 U	8.8 U	7.8 U	8.6 U	7 U	0.4 U
trans-1,3-Dichloropropene		0.46 U	9.5 U	10 U	8.9 U	9.9 U	8 U	0.46 U
Trichlorofluoromethane		0.57 U	12 U	13 U	11 U	12 U	9.9 U	<b>1.2</b>

B - Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Data users should consider anything <10x the blank value as artifact.

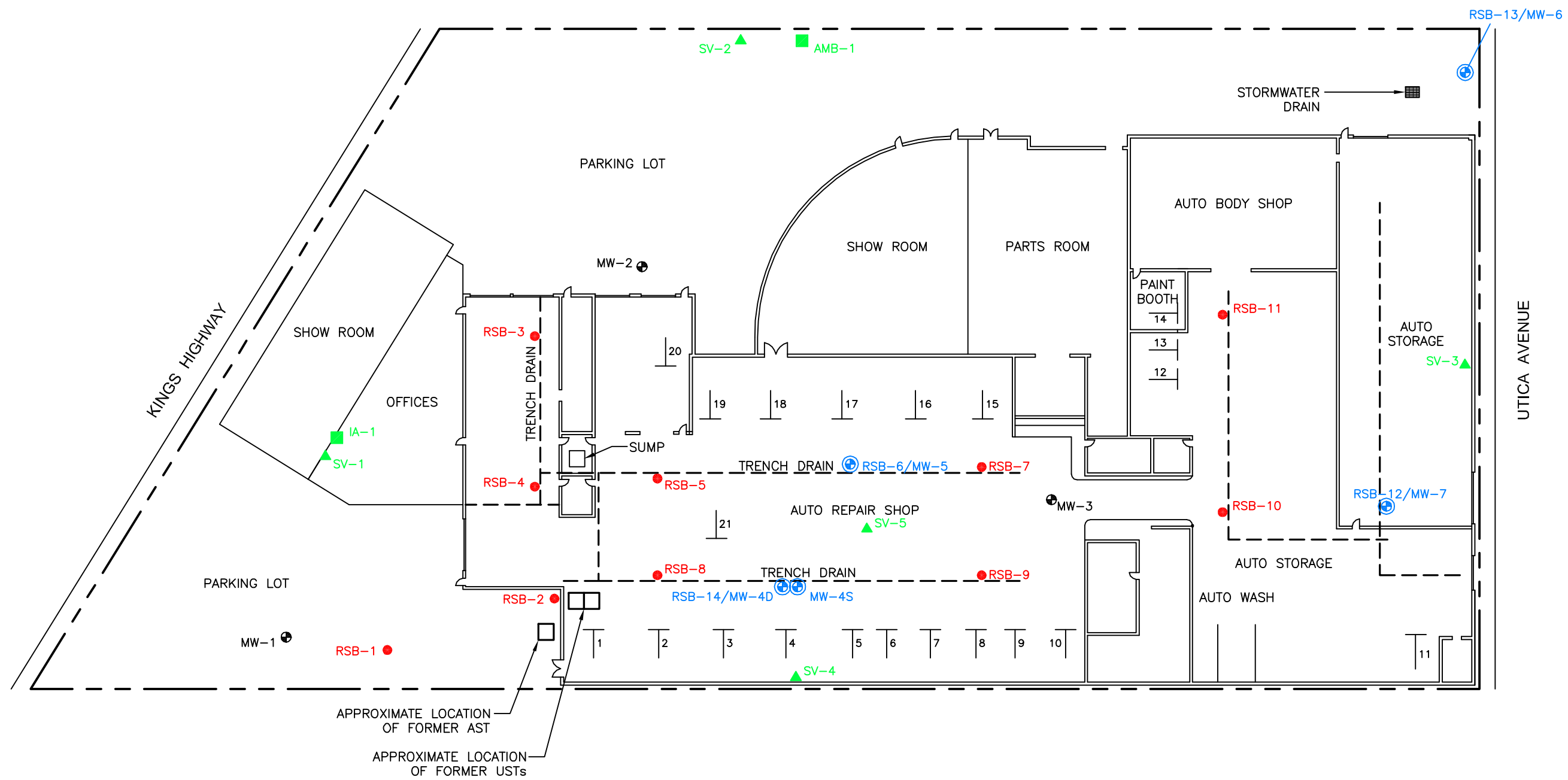
D - Result is from an analysis that required a dilution

U - Indicates that the compound was analyzed for but not detected

ug/m<sup>3</sup> - Micrograms per cubic meter

Bold data indicates that parameter was detected

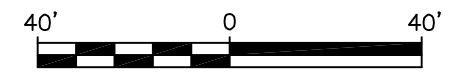
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- LEGEND**
- RSB-5 ● SOIL SAMPLE LOCATION
  - MW-4 ⊕ MONITORING WELL INSTALLED BY ROUX ASSOCIATES
  - SV-1 ▲ SOIL VAPOR SAMPLE
  - IA-1 ■ INDOOR/AMBIENT AIR SAMPLE
  - MW-1 ⊕ EXISTING MONITORING WELL
  - 16 | NON FUNCTIONING HYDRAULIC LIFTS WITH DESIGNATION

**SOURCE**  
 BASEMAP ADAPTED FROM TESTWELL LABORATORIES, INC, PHASE II ESA, DATE: 9/5/07

**NOTE**  
 SAMPLE LOCATIONS ARE APPROXIMATE



Title: <b>SAMPLING LOCATIONS</b>			
KRISTAL AUTO MALL 5200 KINGS HIGHWAY BROOKLYN, NEW YORK 11234			
Prepared For: IRMA C. POLLACK, LLC			
	Compiled by: W.M.	Date: 11MAR14	FIGURE <b>1</b>
	Prepared by: G.M.	Scale: AS SHOWN	
	Project Mgr: W.M.	Project: 1575.0002Y000	
	File: 1575.0002Y110.01.DWG		



<b>RSB-4</b>	2/21/14	2/21/14
Depth (ft bls)	8 - 10	18 - 20
VOCs	No Exceedances	
SVOCs	No Exceedances	

<b>RSB-3</b>	2/20/14	2/20/14
Depth (ft bls)	8 - 10	18 - 20
VOCs	No Exceedances	
SVOCs	No Exceedances	

<b>RSB-5</b>	2/18/14	2/18/14
Depth (ft bls)	8.5 - 10.5	18.5 - 20.5
VOCs	No Exceedances	
SVOCs	No Exceedances	

<b>RSB-6</b>	2/18/14	2/18/14
Depth (ft bls)	9 - 11	19 - 21
VOCs	No Exceedances	
SVOCs	No Exceedances	

<b>RSB-7</b>	2/19/14	2/19/14
Depth (ft bls)	8.5 - 10.5	18.5 - 20.5
VOCs	No Exceedances	
SVOCs	No Exceedances	

<b>RSB-11</b>	2/20/14	2/20/14	2/20/14
Depth (ft bls)	7.5 - 9.5	7.5 - 9.5 DUP	17.5 - 19.5
VOCs	No Exceedances		
SVOCs	No Exceedances		

<b>RSB-13</b>	2/12/14	2/12/14	2/12/14
Depth (ft bls)	9 - 11	9 - 11 DUP	19 - 21
VOCs	No Exceedances		
SVOCs	No Exceedances		

<b>RSB-2</b>	2/21/14	2/21/14	2/21/14	2/21/14
Depth (ft bls)	1 - 3	5 - 7	11 - 13	18 - 20
VOCs	NE	NE	NE	NE
SVOCs	NE	NE	NE	NE
Benzo[a]pyrene	5500 D	1120 JD	ND	ND

<b>RSB-1</b>	2/20/14	2/20/14
Depth (ft bls)	10 - 12	20 - 22
VOCs	No Exceedances	
SVOCs	No Exceedances	

<b>RSB-8</b>	2/19/14	2/19/14	2/19/14	2/19/14
Depth (ft bls)	1.5 - 3.5	5 - 7	8.5 - 10.5	18.5 - 20.5
VOCs	NE	NE	NE	NE
SVOCs	NE	NE	NE	NE
Benzo[a]pyrene	2710 D	3510 D	1690 JD	ND

<b>RSB-14/4D</b>	2/10/14	2/10/14	2/10/14	2/10/14
Depth (ft bls)	2.5 - 3	5 - 7	10 - 11	38 - 40
VOCs	NE	NE	NE	NE
SVOCs	NE	NE	NE	NE
Benzo[a]pyrene	1470 JD	1560 JD	ND	ND

<b>RSB-9</b>	2/19/14	2/19/14
Depth (ft bls)	8.5 - 10.5	18.5 - 20.5
VOCs	No Exceedances	
SVOCs	No Exceedances	

<b>RSB-10</b>	2/20/14	2/20/14
Depth (ft bls)	7.5 - 9.5	17.5 - 19.5
VOCs	No Exceedances	
SVOCs	No Exceedances	

<b>RSB-12</b>	2/12/14	2/12/14
Depth (ft bls)	9 - 11	18 - 20
VOCs	No Exceedances	
SVOCs	No Exceedances	

- LEGEND**
- RSB-5 ● SOIL SAMPLE LOCATION
  - MW-4 ● MONITORING WELL INSTALLED BY ROUX ASSOCIATES
  - SV-1 ▲ SOIL VAPOR SAMPLE
  - IA-1 ■ INDOOR/AMBIENT AIR SAMPLE
  - MW-1 ● EXISTING MONITORING WELL
  - 16 | NON FUNCTIONING HYDRAULIC LIFTS WITH DESIGNATION

**SOURCE**

BASEMAP ADAPTED FROM TESTWELL LABORATORIES, INC, PHASE II ESA, DATE: 9/5/07

**NOTE**

SAMPLE LOCATIONS ARE APPROXIMATE  
NE - NO EXCEEDANCES

Parameter (Concentrations in µg/kg)	Standards* (µg/kg)
SVOCs	
Benzo[a]pyrene	1000

CONCENTRATIONS IN µg/kg

µg/kg - MICROGRAMS PER KILOGRAM

\* - NYSDEC PART 375 COMMERCIAL STANDARDS

NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

ft bls - FEET BELOW LAND SURFACE

D - DILUTED

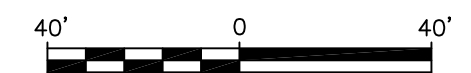
J - ESTIMATED VALUE

VOCs - VOLATILE ORGANIC COMPOUNDS

SVOCs - SEMIVOLATILE ORGANIC COMPOUNDS

NE - NO EXCEEDANCE

ND - NO DETECTION



<b>Title:</b>			
<b>SOIL SAMPLE RESULTS</b>			
KRISTAL AUTO MALL 5200 KINGS HIGHWAY BROOKLYN, NEW YORK, 11234			
<b>Prepared For:</b>			
IRMA C. POLLACK, LLC			
<b>ROUX</b> ROUX ASSOCIATES, INC. <i>Environmental Consulting and Management</i>	Compiled by: W.M.	Date: 17APR14	PLATE <b>1</b>
	Prepared by: G.M.	Scale: AS SHOWN	
	Project Mgr: W.M.	Project: 1575.0002Y000	
File: 1575.0002Y114.01.DWG			

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<b>MW-2</b>	2/24/14
Analyte	
VOCs	NE
SVOCs	NE
Metals	
Selenium	15

<b>MW-5</b>	2/24/14
Free Product Thickness (ft)	0.5

<b>MW-6</b>	2/24/14
Analyte	
VOCs	NE
SVOCs	
Benzo(a)anthracene	0.0686
Chrysene	0.0686
Metals	
Lead	27

- LEGEND**
- ◆ PROPOSED MONITORING WELL
  - RSB-5 SOIL SAMPLE LOCATION
  - ⊕ MW-4 MONITORING WELL INSTALLED BY ROUX ASSOCIATES (FEBRUARY 2014)
  - ▲ SV-1 SOIL VAPOR SAMPLE
  - IA-1 INDOOR/AMBIENT AIR SAMPLE
  - MW-1 EXISTING MONITORING WELL
  - 16 | NON FUNCTIONING HYDRAULIC LIFTS WITH DESIGNATION
  - 89.35 LINE OF EQUAL GROUNDWATER ELEVATION (DASHED WHERE INFERRED)
  - ← GROUNDWATER FLOW DIRECTION

**SOURCE**

BASEMAP ADAPTED FROM TESTWELL LABORATORIES, INC. PHASE II ESA, DATE: 9/5/07

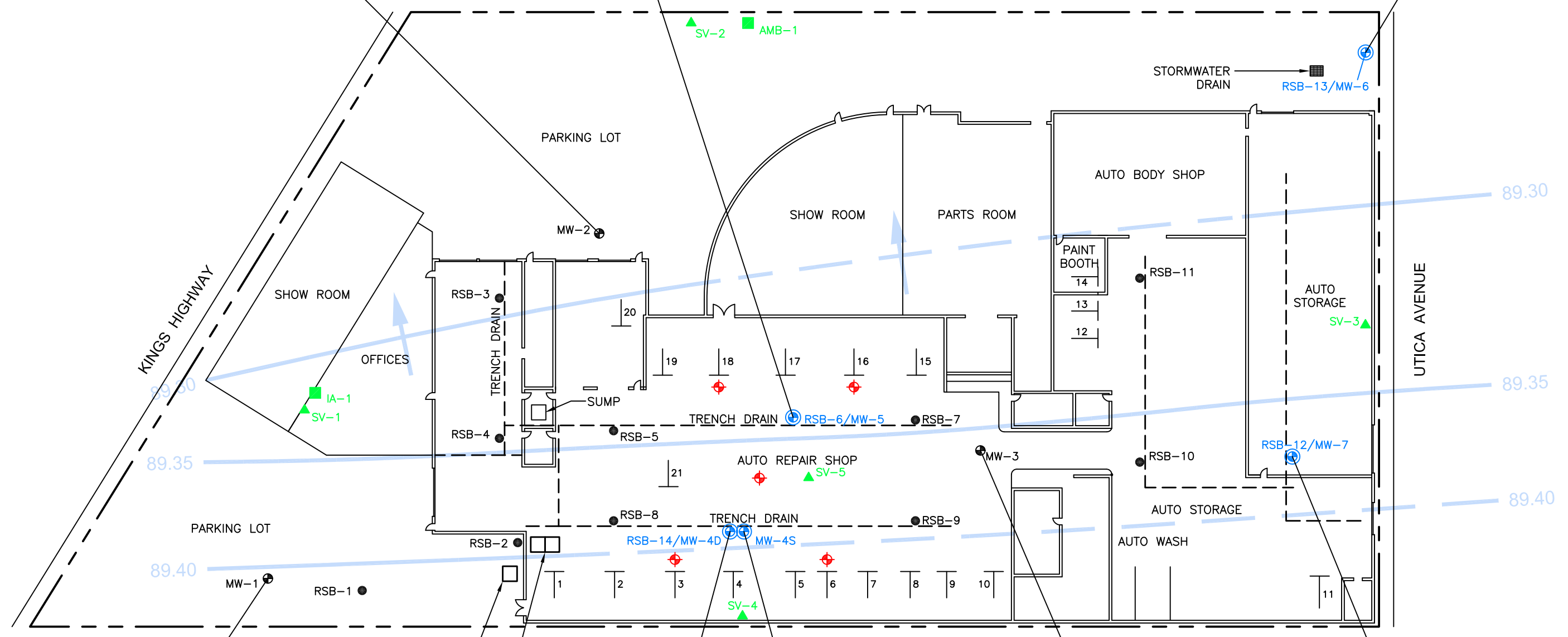
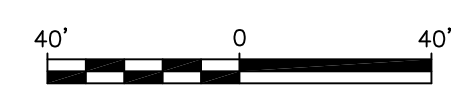
**NOTE**

SAMPLE LOCATIONS ARE APPROXIMATE  
NS - NOT SAMPLED

Parameter	Standards* (µg/L)
<b>VOCs</b>	
Methylene chloride	5
<b>SVOCs</b>	
Benzo(a)anthracene	0.002
Bis(2-ethylhexyl) phthalate	5
Chrysene	0.002
<b>Metals</b>	
Lead	25
Selenium	10

CONCENTRATIONS IN µg/L

µg/L - MICROGRAMS PER LITER  
\* - NYSDEC AWQSGVs  
NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
AWQSGVs - AMBIENT WATER-QUALITY STANDARDS AND GUIDANCE VALUES  
DUP - DUPLICATE SAMPLE  
VOCs - VOLATILE ORGANIC COMPOUNDS  
SVOCs - SEMIVOLATILE ORGANIC COMPOUNDS  
NE - NO EXCEEDANCE



<b>MW-1</b>	2/24/14
Analyte	
VOCs	NE
SVOCs	NE
Metals	
Lead	39

<b>MW-4D</b>	2/24/14
Analyte	
VOCs	NE
SVOCs	NE
Metals	NE

<b>MW-4S</b>	2/12/14
Free Product Thickness (ft)	0.27

<b>MW-3</b>	2/24/14
Analyte	
VOCs	NE
SVOCs	NE
Metals	NE

<b>MW-7</b>	2/24/14	2/24/14
Analyte		DUP
VOCs	NE	NE
SVOCs	NE	NE
Bis(2-ethylhexyl) phthalate	39.6	6.98
Metals	NE	NE

**PROPOSED SUPPLEMENTAL RI SCOPE**

- ① PRODUCT IDENTIFICATION ANALYSIS IN MW-5
- ② INSTALL 5 WELLS TO DELINEATE PRODUCT IN MW-4S AND MW-5
- ③ PRODUCT BAIL-DOWN TESTS IN MW-4S AND MW-5

<b>Title: GROUNDWATER SAMPLE RESULTS</b>			
KRISTAL AUTO MALL 5200 KINGS HIGHWAY BROOKLYN, NEW YORK, 11234			
Prepared For: IRMA C. POLLACK, LLC			
<b>ROUX</b> ROUX ASSOCIATES, INC. <i>Environmental Consulting and Management</i>	Compiled by: W.M.	Date: 17APR14	PLATE
	Prepared by: G.M.	Scale: AS SHOWN	<b>2</b>
	Project Mgr: W.M.	Project: 1575.0002Y000	
	File: 1575.0002Y114.01.DWG		

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IA-1	2/24/14
Analyte	
<b>VOCs</b>	
1,2-Dichloroethane	0.58
2-Butanone (MEK)	0.9
Acetone	1.7
Benzene	0.39
Chlorobenzene	0.47
cis-1,2-Dichloroethene	0.48
Methylene chloride	1.1 B
Tetrachloroethene	0.69
Tetrahydrofuran	0.66
Toluene	0.5
Trichloroethene	1.2

SV-2	2/28/14
Analyte	
<b>VOCs</b>	
Methylene chloride	8.5 BD

Outdoor Ambient	2/24/14
Analyte	
<b>VOCs</b>	
1,2,4-Trimethylbenzene	1.2
2-Butanone (MEK)	1.6
4-Ethyltoluene	1.4
Acetone	8
Benzene	0.88
Chloromethane	1.1
Dichlorodifluoromethane	2.4
Ethylbenzene	0.88
m+p-Xylene	2.7
Methylene chloride	1.2 B
N-Heptane	0.54
N-Hexane	0.39
o-Xylene	0.84
Tetrachloroethene	0.83
Toluene	3.3
Trichlorofluoromethane	1.2

SV-3	2/24/14
Analyte	
<b>VOCs</b>	
Acetone	13 D
m+p-Xylene	31 D
Methylene chloride	7.5 BD
o-Xylene	8.6 D
Toluene	24 D



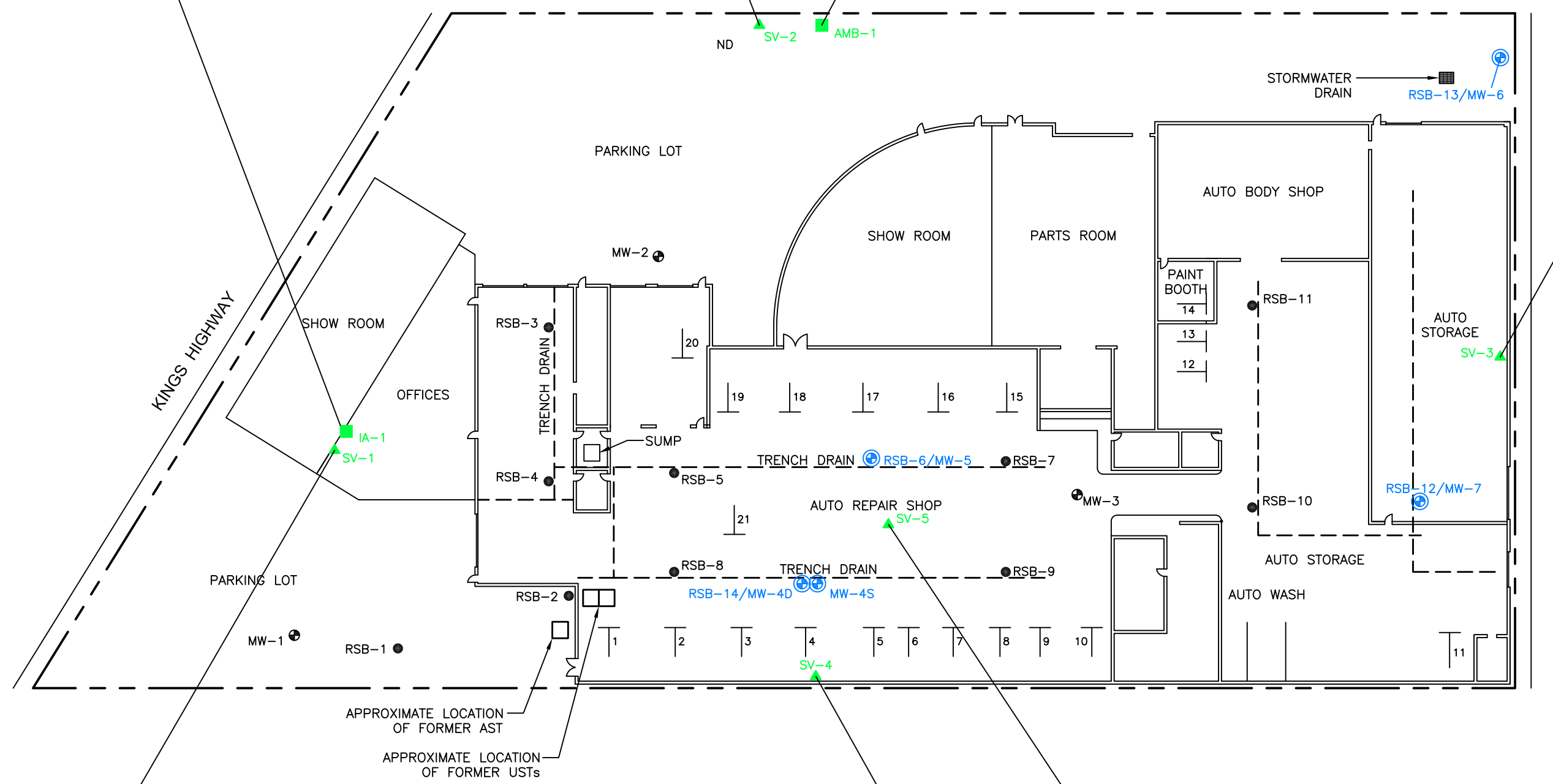
- LEGEND**
- RSB-5 ● SOIL SAMPLE LOCATION
  - MW-4 ⊕ MONITORING WELL INSTALLED BY ROUX ASSOCIATES
  - SV-1 ▲ SOIL VAPOR SAMPLE
  - IA-1 ■ INDOOR/AMBIENT AIR SAMPLE
  - MW-1 ● EXISTING MONITORING WELL
  - 16 | NON FUNCTIONING HYDRAULIC LIFTS WITH DESIGNATION

**SOURCE**

BASEMAP ADAPTED FROM TESTWELL LABORATORIES, INC, PHASE II ESA, DATE: 9/5/07

**NOTE**

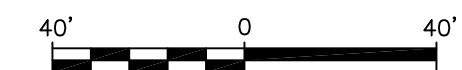
SAMPLE LOCATIONS ARE APPROXIMATE  
 CONCENTRATIONS IN  $\mu\text{g}/\text{m}^3$   
 $\mu\text{g}/\text{m}^3$  - MICROGRAMS PER CUBIC METER  
 VOCs - VOLATILE ORGANIC COMPOUNDS  
 ND - NO DETECTION



SV-1	2/24/14
Analyte	
<b>VOCs</b>	
Methylene chloride	11 BD

SV-4	2/24/14
Analyte	
<b>VOCs</b>	
Acetone	34 D
Methylene chloride	9.1 BD
Tetrachloroethene	1100 D

SV-5	2/24/14
Analyte	
<b>VOCs</b>	
Acetone	13 D
Methylene chloride	16 BD
Tetrachloroethene	88 D
Trichloroethene	13 D



**PROPOSED SUPPLEMENTAL RI SCOPE**

- ① COLLECT INDOOR AIR SAMPLE IN SERVICE AREA
- ② RESAMPLE SV-4 AND SV-5

<b>Title:</b>			
<b>SOIL VAPOR SAMPLE RESULTS</b>			
KRISTAL AUTO MALL 5200 KINGS HIGHWAY BROOKLYN, NEW YORK, 11234			
Prepared For:		IRMA C. POLLACK, LLC	
<b>ROUX</b> ROUX ASSOCIATES, INC. <i>Environmental Consulting and Management</i>	Compiled by: W.M.	Date: 26MAR14	<b>PLATE</b>  <b>3</b>
	Prepared by: G.M.	Scale: AS SHOWN	
	Project Mgr: W.M.	Project: 1575.0002Y000	
	File: 1575.0002Y114.01.DWG		