

Table E-1
Data Validation Qualifiers

Phase B Source Area Soil Gas Investigation,
Tronox Facility
Henderson, Nevada

Validation Qualifier	Definition
J	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+	The result is an estimated quantity and the result may be biased high.
J-	The result is an estimated quantity and the result may be biased low.
UJ	The analyte was not detected above the sample reporting limit and the reporting limit is approximate.
U	The analyte was analyzed for, but was not detected above the sample reporting limit
R	The result is rejected and unusable due to serious data deficiencies. The presence or absence of the analyte cannot be verified.

Table E-2
Data Validation Qualifier Reason Codes
Phase B Source Area Soil Gas Investigation,
Tronox Facility
Henderson, Nevada

Code	Explanation
a	qualified due to low abundance (radiochemical activity)
b	qualified due to blank contamination
be	qualified due to equipment blank contamination
bf	qualified due to field blank contamination
bl	qualified due to lab blank contamination
c	qualified due to calibration problems
cp	qualified due to insufficient ingrowth (radiochemical only)
fd	qualified due to field duplicate imprecision
h	qualified due to holding time exceedance
i	qualified due to internal standard areas
k	qualified as Estimated Maximum Possible Concentrations (dioxins only)
l	qualified due to LCS recoveries
ld	qualified due to lab duplicate imprecision (matrix duplicate, MSD, LCSD)
m	qualified due to matrix spike recoveries
nb	qualified due to negative lab blank contamination (nondetect results only)
p	qualified as a false positive due to contamination during shipping
q	qualified due to quantitation problem
s	qualified due to surrogate recoveries
x	qualified due to low % solids
y	qualified due to serial dilution results
z	qualified due to ICS results

Table E-3
Sample IDs , SDGs, Lab IDs, and ENSR memo IDs
Phase B Source Area Soil Gas Investigation
Tronox Facility, Henderson Nevada

Sample ID	SDG	Lab ID	ENSR memo ID	Collection Date
SG83B-05-1	P0801342	P0801342-001	TH532	2008-5-7 2:33 PM
SG83B-05-1	P0801342	P0801342-001	TH532	2008-5-7 2:33 PM
SG83B-05-3	P0801342	P0801342-002	TH532	2008-5-7 3:41 PM
SG83B-05-3	P0801342	P0801342-002	TH532	2008-5-7 3:41 PM
SG83B-05-7	P0801342	P0801342-003	TH532	2008-5-7 4:39 PM
SG83B-05-7	P0801342	P0801342-003	TH532	2008-5-7 4:39 PM
SG38B-20	P0801385	P0801385-005	TH533	2008-5-10 9:53 AM
SG40B-05	P0801385	P0801385-006	TH533	2008-5-10 10:51 AM
SG40B-05	P0801385	P0801385-006	TH533	2008-5-10 10:51 AM
SG40B-05D	P0801385	P0801385-007	TH533	2008-5-10 11:18 AM
SG40B-05D	P0801385	P0801385-007	TH533	2008-5-10 11:18 AM
SG41B-20	P0801385	P0801385-002	TH533	2008-5-9 6:30 PM
SG41B-20	P0801385	P0801385-002	TH533	2008-5-9 6:30 PM
SG41B-20D	P0801385	P0801385-003	TH533	2008-5-9 7:12 PM
SG41B-20D	P0801385	P0801385-003	TH533	2008-5-9 7:12 PM
SG43B-05	P0801385	P0801385-004	TH533	2008-5-10 8:20 AM
SG64B-05	P0801385	P0801385-001	TH533	2008-5-9 5:11 PM
SG35B-05	P0801442	P0801442-014	TH534	2008-5-15 1:32 PM
SG36B-20	P0801442	P0801442-004	TH534	2008-5-14 4:25 PM
SG36B-20	P0801442	P0801442-004	TH534	2008-5-14 4:25 PM
SG37B-20	P0801442	P0801442-003	TH534	2008-5-14 5:00 PM
SG39B-05	P0801442	P0801442-002	TH534	2008-5-14 3:20 PM
SG44B-05	P0801442	P0801442-005	TH534	2008-5-14 12:30 PM
SG65B-05	P0801442	P0801442-010	TH534	2008-5-15 8:44 AM
SG65B-05D	P0801442	P0801442-011	TH534	2008-5-15 9:10 AM
SG70B-05	P0801442	P0801442-008	TH534	2008-5-15 9:22 AM
SG70B-05	P0801442	P0801442-008	TH534	2008-5-15 9:22 AM
SG71B-05	P0801442	P0801442-009	TH534	2008-5-15 10:30 AM
SG71B-05	P0801442	P0801442-009	TH534	2008-5-15 10:30 AM
SG72B-05	P0801442	P0801442-007	TH534	2008-5-14 2:02 PM
SG72B-05	P0801442	P0801442-007	TH534	2008-5-14 2:02 PM
SG73B-05	P0801442	P0801442-001	TH534	2008-5-14 2:57 PM
SG75B-05	P0801442	P0801442-018	TH534	2008-5-15 4:29 PM
SG75B-05	P0801442	P0801442-018	TH534	2008-5-15 4:29 PM
SG84B-05	P0801442	P0801442-012	TH534	2008-5-15 10:47 AM
SG84B-05	P0801442	P0801442-012	TH534	2008-5-15 10:47 AM
SG85B-05	P0801442	P0801442-013	TH534	2008-5-15 1:30 PM
SG88B-05	P0801442	P0801442-006	TH534	2008-5-14 1:43 PM
SG89B-05	P0801442	P0801442-017	TH534	2008-5-15 3:52 PM
SG89B-05	P0801442	P0801442-017	TH534	2008-5-15 3:52 PM
SG94B-05	P0801442	P0801442-015	TH534	2008-5-15 2:34 PM
SG95B-05	P0801442	P0801442-016	TH534	2008-5-15 3:09 PM

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Phase B Source Area Soil Gas Investigation
Tronox Facility, Henderson Nevada

Sample ID	SDG	Lab ID	ENSR memo ID	Collection Date
SG95B-05	P0801442	P0801442-016	TH534	2008-5-15 3:09 PM
SG07B-05	P0801483	P0801483-027	TH536	2008-5-17 4:20 PM
SG07B-05	P0801483	P0801483-027	TH536	2008-5-17 4:20 PM
SG07B-05D	P0801483	P0801483-028	TH536	2008-5-17 5:05 PM
SG07B-05D	P0801483	P0801483-028	TH536	2008-5-17 5:05 PM
SG08B-05	P0801483	P0801483-023	TH536	2008-5-18 8:44 AM
SG08B-05	P0801483	P0801483-023	TH536	2008-5-18 8:44 AM
SG09B-05	P0801483	P0801483-024	TH536	2008-5-18 7:40 AM
SG09B-05	P0801483	P0801483-024	TH536	2008-5-18 7:40 AM
SG10B-05	P0801483	P0801483-026	TH536	2008-5-18 8:05 AM
SG10B-05	P0801483	P0801483-026	TH536	2008-5-18 8:05 AM
SG11B-05	P0801483	P0801483-025	TH536	2008-5-18 6:55 AM
SG11B-05	P0801483	P0801483-025	TH536	2008-5-18 6:55 AM
SG12B-05	P0801483	P0801483-022	TH536	2008-5-18 6:45 AM
SG12B-05	P0801483	P0801483-022	TH536	2008-5-18 6:45 AM
SG16B-05	P0801483	P0801483-021	TH536	2008-5-18 9:47 AM
SG17B-05	P0801483	P0801483-029	TH536	2008-5-18 10:28 AM
SG18B-05	P0801483	P0801483-030	TH536	2008-5-18 10:55 AM
SG18B-05	P0801483	P0801483-030	TH536	2008-5-18 10:55 AM
SG22B-05	P0801483	P0801483-009	TH536	2008-5-16 12:25 PM
SG22B-05	P0801483	P0801483-009	TH536	2008-5-16 12:25 PM
SG26B-05	P0801483	P0801483-006	TH536	2008-5-16 11:25 AM
SG26B-05	P0801483	P0801483-006	TH536	2008-5-16 11:25 AM
SG26B-05D	P0801483	P0801483-007	TH536	2008-5-16 12:00 PM
SG26B-05D	P0801483	P0801483-007	TH536	2008-5-16 12:00 PM
SG27B-05	P0801483	P0801483-018	TH536	2008-5-16 2:42 PM
SG27B-05	P0801483	P0801483-018	TH536	2008-5-16 2:42 PM
SG28B-05	P0801483	P0801483-011	TH536	2008-5-16 1:53 PM
SG28B-05	P0801483	P0801483-011	TH536	2008-5-16 1:53 PM
SG28B-05D	P0801483	P0801483-008	TH536	2008-5-16 2:16 PM
SG28B-05D	P0801483	P0801483-008	TH536	2008-5-16 2:16 PM
SG32B-05	P0801483	P0801483-019	TH536	2008-5-17 12:00 PM
SG32B-05	P0801483	P0801483-019	TH536	2008-5-17 12:00 PM
SG33B-05	P0801483	P0801483-013	TH536	2008-5-17 3:38 PM
SG61B-05	P0801483	P0801483-015	TH536	2008-5-17 1:38 PM
SG61B-05	P0801483	P0801483-015	TH536	2008-5-17 1:38 PM
SG62B-05	P0801483	P0801483-012	TH536	2008-5-17 2:47 PM
SG62B-05	P0801483	P0801483-012	TH536	2008-5-17 2:47 PM
SG63B-05	P0801483	P0801483-020	TH536	2008-5-17 12:39 PM
SG63B-05	P0801483	P0801483-020	TH536	2008-5-17 12:39 PM
SG76B-05	P0801483	P0801483-001	TH536	2008-5-15 6:00 PM
SG76B-05	P0801483	P0801483-001	TH536	2008-5-15 6:00 PM

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Tronox Facility, Henderson Nevada

Sample ID	SDG	Lab ID	ENSR memo ID	Collection Date
SG78B-05	P0801483	P0801483-002	TH536	2008-5-15 5:10 PM
SG78B-05	P0801483	P0801483-002	TH536	2008-5-15 5:10 PM
SG78B-05	P0801483	P0801483-002	TH536	2008-5-15 5:10 PM
SG79B-05	P0801483	P0801483-004	TH536	2008-5-16 9:44 AM
SG80B-05	P0801483	P0801483-005	TH536	2008-5-16 11:00 AM
SG80B-05	P0801483	P0801483-005	TH536	2008-5-16 11:00 AM
SG81B-05	P0801483	P0801483-003	TH536	2008-5-16 10:24 AM
SG81B-05	P0801483	P0801483-003	TH536	2008-5-16 10:24 AM
SG82B-05	P0801483	P0801483-014	TH536	2008-5-16 9:15 AM
SG82B-05	P0801483	P0801483-014	TH536	2008-5-16 9:15 AM
SG83B-05	P0801483	P0801483-017	TH536	2008-5-17 1:00 PM
SG83B-05	P0801483	P0801483-017	TH536	2008-5-17 1:00 PM
SG83B-05D	P0801483	P0801483-016	TH536	2008-5-17 1:32 PM
SG83B-05D	P0801483	P0801483-016	TH536	2008-5-17 1:32 PM
SG86B-05	P0801483	P0801483-010	TH536	2008-5-16 1:33 PM
SG86B-05	P0801483	P0801483-010	TH536	2008-5-16 1:33 PM
SG06B-05	P0801507	P0801507-015	TH537	2008-5-20 2:53 PM
SG13B-05	P0801507	P0801507-012	TH537	2008-5-20 12:00 PM
SG13B-05	P0801507	P0801507-012	TH537	2008-5-20 12:00 PM
SG14B-05	P0801507	P0801507-014	TH537	2008-5-20 1:50 PM
SG14B-05	P0801507	P0801507-014	TH537	2008-5-20 1:50 PM
SG15B-05	P0801507	P0801507-013	TH537	2008-5-20 1:00 PM
SG15B-05	P0801507	P0801507-013	TH537	2008-5-20 1:00 PM
SG29B-05	P0801507	P0801507-003	TH537	2008-5-19 11:43 AM
SG29B-05	P0801507	P0801507-003	TH537	2008-5-19 11:43 AM
SG30B-05	P0801507	P0801507-002	TH537	2008-5-19 10:35 AM
SG30B-05	P0801507	P0801507-002	TH537	2008-5-19 10:35 AM
SG31B-05	P0801507	P0801507-005	TH537	2008-5-19 2:43 PM
SG31B-05	P0801507	P0801507-005	TH537	2008-5-19 2:43 PM
SG55B-05	P0801507	P0801507-010	TH537	2008-5-20 2:39 PM
SG55B-05	P0801507	P0801507-010	TH537	2008-5-20 2:39 PM
SG56B-05	P0801507	P0801507-008	TH537	2008-5-20 12:48 PM
SG56B-05	P0801507	P0801507-008	TH537	2008-5-20 12:48 PM
SG56B-05D	P0801507	P0801507-009	TH537	2008-5-20 1:31 PM
SG56B-05D	P0801507	P0801507-009	TH537	2008-5-20 1:31 PM
SG57B-05	P0801507	P0801507-011	TH537	2008-5-20 3:58 PM
SG57B-05	P0801507	P0801507-011	TH537	2008-5-20 3:58 PM
SG58B-05	P0801507	P0801507-007	TH537	2008-5-20 11:06 AM
SG58B-05	P0801507	P0801507-007	TH537	2008-5-20 11:06 AM
SG59B-05	P0801507	P0801507-004	TH537	2008-5-19 1:20 PM
SG59B-05	P0801507	P0801507-004	TH537	2008-5-19 1:20 PM
SG60B-05	P0801507	P0801507-006	TH537	2008-5-20 9:24 AM

Table E-3
Sample IDs , SDGs, Lab IDs, and ENSR memo IDs
Phase B Source Area Soil Gas Investigation
Tronox Facility, Henderson Nevada

Sample ID	SDG	Lab ID	ENSR memo ID	Collection Date
SG60B-05	P0801507	P0801507-006	TH537	2008-5-20 9:24 AM
SG77B-05	P0801507	P0801507-001	TH537	2008-5-19 9:01 AM
SG77B-05	P0801507	P0801507-001	TH537	2008-5-19 9:01 AM
SG42B-05	P0801548	P0801548-008	TH538	2008-5-21 7:15 AM
SG45B-05	P0801548	P0801548-017	TH538	2008-5-22 1:28 PM
SG46B-05	P0801548	P0801548-003	TH538	2008-5-21 9:05 AM
SG46B-05	P0801548	P0801548-003	TH538	2008-5-21 9:05 AM
SG47B-05	P0801548	P0801548-011	TH538	2008-5-21 10:45 AM
SG47B-05	P0801548	P0801548-011	TH538	2008-5-21 10:45 AM
SG48B-05	P0801548	P0801548-010	TH538	2008-5-21 9:30 AM
SG49B-05	P0801548	P0801548-014	TH538	2008-5-22 9:36 AM
SG50B-05	P0801548	P0801548-016	TH538	2008-5-22 12:18 PM
SG51B-05	P0801548	P0801548-006	TH538	2008-5-21 1:33 PM
SG51B-05	P0801548	P0801548-006	TH538	2008-5-21 1:33 PM
SG51B-05D	P0801548	P0801548-007	TH538	2008-5-21 2:15 PM
SG51B-05D	P0801548	P0801548-007	TH538	2008-5-21 2:15 PM
SG53B-05	P0801548	P0801548-012	TH538	2008-5-21 1:28 PM
SG53B-05	P0801548	P0801548-012	TH538	2008-5-21 1:28 PM
SG53B-05D	P0801548	P0801548-013	TH538	2008-5-21 1:57 PM
SG53B-05D	P0801548	P0801548-013	TH538	2008-5-21 1:57 PM
SG54B-05	P0801548	P0801548-018	TH538	2008-5-22 1:19 PM
SG54B-05	P0801548	P0801548-018	TH538	2008-5-22 1:19 PM
SG66B-05	P0801548	P0801548-015	TH538	2008-5-22 9:47 AM
SG66B-05	P0801548	P0801548-015	TH538	2008-5-22 9:47 AM
SG67B-05	P0801548	P0801548-005	TH538	2008-5-21 11:07 AM
SG67B-05	P0801548	P0801548-005	TH538	2008-5-21 11:07 AM
SG68B-05	P0801548	P0801548-004	TH538	2008-5-21 10:08 AM
SG69B-05	P0801548	P0801548-009	TH538	2008-5-21 8:19 AM
SG69B-05	P0801548	P0801548-009	TH538	2008-5-21 8:19 AM
SG87B-05	P0801548	P0801548-019	TH538	2008-5-22 12:27 PM
SG91B-05	P0801548	P0801548-001	TH538	2008-5-21 7:00 AM
SG91B-05	P0801548	P0801548-001	TH538	2008-5-21 7:00 AM
SG93B-05	P0801548	P0801548-002	TH538	2008-5-21 7:54 AM
SG93B-05	P0801548	P0801548-002	TH538	2008-5-21 7:54 AM
SG01B-05	P0801656	P0801656-014	TH539	2008-5-29 12:27 PM
SG02B-05	P0801656	P0801656-015	TH539	2008-5-29 1:33 PM
SG03B-05	P0801656	P0801656-013	TH539	2008-5-29 11:12 AM
SG04B-05	P0801656	P0801656-018	TH539	2008-5-29 11:41 AM
SG05B-05	P0801656	P0801656-019	TH539	2008-5-29 1:05 PM
SG19B-05	P0801656	P0801656-008	TH539	2008-5-28 2:42 PM
SG20B-05	P0801656	P0801656-009	TH539	2008-5-28 4:15 PM
SG20B-05	P0801656	P0801656-009	TH539	2008-5-28 4:15 PM

Table E-3
Sample IDs , SDGs, Lab IDs, and ENSR memo IDs
Phase B Source Area Soil Gas Investigation
Tronox Facility, Henderson Nevada

Sample ID	SDG	Lab ID	ENSR memo ID	Collection Date
SG21B-05	P0801656	P0801656-005	TH539	2008-5-28 10:08 AM
SG23B-05	P0801656	P0801656-001	TH539	2008-5-28 2:48 PM
SG23B-05	P0801656	P0801656-001	TH539	2008-5-28 2:48 PM
SG24B-05	P0801656	P0801656-006	TH539	2008-5-28 11:26 AM
SG24B-05	P0801656	P0801656-006	TH539	2008-5-28 11:26 AM
SG25B-05	P0801656	P0801656-002	TH539	2008-5-28 3:52 PM
SG34B-05	P0801656	P0801656-003	TH539	2008-5-28 5:14 PM
SG34B-05	P0801656	P0801656-003	TH539	2008-5-28 5:14 PM
SG42BR-05	P0801656	P0801656-011	TH539	2008-5-29 8:09 AM
SG52B-05	P0801656	P0801656-010	TH539	2008-5-28 5:25 PM
SG52B-05	P0801656	P0801656-010	TH539	2008-5-28 5:25 PM
SG53BR-05	P0801656	P0801656-022	TH539	2008-5-29 6:20 PM
SG53BR-05	P0801656	P0801656-022	TH539	2008-5-29 6:20 PM
SG53BR-05D	P0801656	P0801656-023	TH539	2008-5-29 6:20 PM
SG53BR-05D	P0801656	P0801656-023	TH539	2008-5-29 6:20 PM
SG60BR-05	P0801656	P0801656-017	TH539	2008-5-29 8:40 AM
SG60BR-05	P0801656	P0801656-017	TH539	2008-5-29 8:40 AM
SG65BR-05	P0801656	P0801656-020	TH539	2008-5-29 4:09 PM
SG65BR-05D	P0801656	P0801656-021	TH539	2008-5-29 4:09 PM
SG74B-05	P0801656	P0801656-004	TH539	2008-5-28 6:16 PM
SG90B-05	P0801656	P0801656-007	TH539	2008-5-28 12:32 PM
SG90B-05	P0801656	P0801656-007	TH539	2008-5-28 12:32 PM
SG92B-05	P0801656	P0801656-016	TH539	2008-5-29 10:02 AM
SG92B-05	P0801656	P0801656-016	TH539	2008-5-29 10:02 AM
SG94BR-05	P0801656	P0801656-012	TH539	2008-5-29 9:20 AM

Table E-4
Qualifications Based on Blank Contamination
Phase B Source Area Soil Gas Investigation
Tronox Facility, Henderson Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	Batch ID	MB_Result	Dilution Factor	QL
SG06B-05	P0801507	TO-15	GS	Methylene chloride	0.77	U	ug/m3	b	MS16052708	0.076	1.54	0.77
SG07B-05	P0801483	TO-15	GS	Vinylacetate	8.5	U	ug/m3	b	MS13052708	0.40	1.69	8.5
SG07B-05	P0801483	TO-15	GS	Ethanol	8.5	U	ug/m3	b	MS13052708	1.0	1.69	8.5
SG07B-05	P0801483	TO-15	GS	Acetone	11	U	ug/m3	b	MS13052708	1.8	1.69	8.5
SG07B-05	P0801483	TO-15	GS	2-Butanone	4.5	U	ug/m3	b	MS13052708	0.35	1.69	0.85
SG08B-05	P0801483	TO-15	GS	Vinylacetate	7.5	U	ug/m3	b	MS13052708	0.40	1.49	7.5
SG08B-05	P0801483	TO-15	GS	Acetone	12	U	ug/m3	b	MS13052708	1.8	1.49	7.5
SG10B-05	P0801483	TO-15	GS	Vinylacetate	7.8	U	ug/m3	b	MS13052708	0.40	1.55	7.8
SG10B-05	P0801483	TO-15	GS	Acetone	24	U	ug/m3	b	MS13052708	1.8	1.55	7.8
SG11B-05	P0801483	TO-15	GS	Carbon disulfide	1.4	U	ug/m3	b	MS13052708	0.29	1.47	0.74
SG12B-05	P0801483	TO-15	GS	Vinylacetate	7.7	U	ug/m3	b	MS13052708	0.40	1.54	7.7
SG12B-05	P0801483	TO-15	GS	Carbon disulfide	1.1	U	ug/m3	b	MS13052708	0.29	1.54	0.77
SG12B-05	P0801483	TO-15	GS	Acetone	15	U	ug/m3	b	MS13052708	1.8	1.54	7.7
SG13B-05	P0801507	TO-15	GS	Vinylacetate	32	U	ug/m3	b	MS16052708	0.26	6.44	32
SG13B-05	P0801507	TO-15	GS	Acetone	47	U	ug/m3	b	MS16052708	1.0	6.44	32
SG13B-05	P0801507	TO-15	GS	Methylene chloride	3.2	U	ug/m3	b	MS16052708	0.076	6.44	3.2
SG14B-05	P0801507	TO-15	GS	Methylene chloride	0.97	U	ug/m3	b	MS16052708	0.076	1.63	0.82
SG15B-05	P0801507	TO-15	GS	Methylene chloride	1.6	U	ug/m3	b	MS16052708	0.076	3.26	1.6
SG16B-05	P0801483	TO-15	GS	Vinylacetate	7.9	U	ug/m3	b	MS13052708	0.40	1.57	7.9
SG16B-05	P0801483	TO-15	GS	Ethanol	7.9	U	ug/m3	b	MS13052708	1.0	1.57	7.9
SG16B-05	P0801483	TO-15	GS	Acetone	11	U	ug/m3	b	MS13052708	1.8	1.57	7.9
SG16B-05	P0801483	TO-15	GS	Carbon disulfide	0.90	U	ug/m3	b	MS13052708	0.29	1.57	0.79
SG16B-05	P0801483	TO-15	GS	2-Butanone	4.4	U	ug/m3	b	MS13052708	0.35	1.57	0.79
SG19B-05	P0801656	TO-15	GS	Methylene chloride	1.7	U	ug/m3	b	MS13060708	0.18	1.69	0.85
SG21B-05	P0801656	TO-15	GS	Methylene chloride	0.84	U	ug/m3	b	MS13060708	0.18	1.67	0.84
SG25B-05	P0801656	TO-15	GS	Methylene chloride	0.85	U	ug/m3	b	MS13060708	0.18	1.7	0.85
SG26B-05	P0801483	TO-15	GS	Ethanol	130	U	ug/m3	b	MS13052308	0.12	25.73	130
SG26B-05	P0801483	TO-15	GS	Acetone	130	U	ug/m3	b	MS13052308	0.36	25.73	130
SG26B-05D	P0801483	TO-15	GS	Acetone	49	U	ug/m3	b	MS13052608	0.33	9.7	49
SG27B-05	P0801483	TO-15	GS	Vinylacetate	17	U	ug/m3	b	MS13052708	0.40	3.32	17
SG27B-05	P0801483	TO-15	GS	Ethanol	17	U	ug/m3	b	MS13052708	1.0	3.32	17

Table E-4
Qualifications Based on Blank Contamination
Phase B Source Area Soil Gas Investigation
Tronox Facility, Henderson Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	Batch ID	MB_Result	Dilution Factor	QL
SG27B-05	P0801483	TO-15	GS	Carbon disulfide	1.7	U	ug/m3	b	MS13052708	0.29	3.32	1.7
SG27B-05	P0801483	TO-15	GS	Acetone	17	U	ug/m3	b	MS13052708	1.8	3.32	17
SG27B-05	P0801483	TO-15	GS	2-Butanone	5.0	U	ug/m3	b	MS13052708	0.35	3.32	1.7
SG28B-05	P0801483	TO-15	GS	Acetone	160	U	ug/m3	b	MS13052608	0.33	31.8	160
SG28B-05D	P0801483	TO-15	GS	Acetone	53	U	ug/m3	b	MS13052608	0.33	10.6	53
SG29B-05	P0801507	TO-15	GS	Acetone	830	U	ug/m3	b	MS16052808	0.35	165	830
SG29B-05	P0801507	TO-15	GS	Methylene chloride	83	U	ug/m3	b	MS16052808	0.064	165	83
SG30B-05	P0801507	TO-15	GS	Benzene	15	U	ug/m3	b	MS16052708	0.059	62.4	6.2
SG30B-05	P0801507	TO-15	GS	Acetone	310	U	ug/m3	b	MS16052708	1.0	62.4	310
SG30B-05	P0801507	TO-15	GS	2-Butanone	31	U	ug/m3	b	MS16052708	0.072	62.4	31
SG31B-05	P0801507	TO-15	GS	Acetone	79	U	ug/m3	b	MS16052808	0.35	15.8	79
SG31B-05	P0801507	TO-15	GS	Methylene chloride	7.9	U	ug/m3	b	MS16052808	0.064	15.8	7.9
SG32B-05	P0801483	TO-15	GS	Acetone	160	U	ug/m3	b	MS13052808	0.35	652	3300
SG35B-05	P0801442	TO-15	GS	Acetone	200	U	ug/m3	b	MS13052408	0.19	40	200
SG36B-20	P0801442	TO-15	GS	Acetone	160	U	ug/m3	b	MS13052408	0.19	31.2	160
SG51B-05	P0801548	TO-15	GS	Acetone	400	U	ug/m3	b	MS13060208	0.66	61.2	7.7
SG53B-05	P0801548	TO-15	GS	Acetone	17	U	ug/m3	b	MS13060208	0.66	3.3	17
SG53B-05D	P0801548	TO-15	GS	Acetone	14	U	ug/m3	b	MS13060208	0.66	2.78	14
SG54B-05	P0801548	TO-15	GS	Ethanol	360	U	ug/m3	b	MS13060208	0.093	71.2	360
SG54B-05	P0801548	TO-15	GS	Acetone	360	U	ug/m3	b	MS13060208	0.66	71.2	360
SG55B-05	P0801507	TO-15	GS	Benzene	9.9	U	ug/m3	b	MS16052708	0.059	68	6.8
SG55B-05	P0801507	TO-15	GS	Acetone	340	U	ug/m3	b	MS16052708	1.0	68	340
SG55B-05	P0801507	TO-15	GS	Methylene chloride	34	U	ug/m3	b	MS16052708	0.076	68	34
SG55B-05	P0801507	TO-15	GS	2-Butanone	34	U	ug/m3	b	MS16052708	0.072	68	34
SG56B-05	P0801507	TO-15	GS	Benzene	6.3	U	ug/m3	b	MS16052708	0.059	33.4	3.3
SG56B-05	P0801507	TO-15	GS	Acetone	170	U	ug/m3	b	MS16052708	1.0	33.4	170
SG56B-05	P0801507	TO-15	GS	Methylene chloride	17	U	ug/m3	b	MS16052708	0.076	33.4	17
SG56B-05	P0801507	TO-15	GS	2-Butanone	17	U	ug/m3	b	MS16052708	0.072	33.4	17
SG56B-05D	P0801507	TO-15	GS	Acetone	56	U	ug/m3	b	MS16052808	0.35	11.13	56
SG56B-05D	P0801507	TO-15	GS	Methylene chloride	5.6	U	ug/m3	b	MS16052808	0.064	11.13	5.6
SG57B-05	P0801507	TO-15	GS	Benzene	9.4	U	ug/m3	b	MS16052708	0.059	80.5	8.1

Table E-4
Qualifications Based on Blank Contamination
Phase B Source Area Soil Gas Investigation
Tronox Facility, Henderson Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	Batch ID	MB_Result	Dilution Factor	QL
SG57B-05	P0801507	TO-15	GS	Acetone	400	U	ug/m3	b	MS16052708	1.0	80.5	400
SG57B-05	P0801507	TO-15	GS	Methylene chloride	40	U	ug/m3	b	MS16052708	0.076	80.5	40
SG58B-05	P0801507	TO-15	GS	Acetone	570	U	ug/m3	b	MS16052908	0.55	113.33	570
SG58B-05	P0801507	TO-15	GS	Methylene chloride	57	U	ug/m3	b	MS16052908	0.055	113.33	57
SG59B-05	P0801507	TO-15	GS	Benzene	8.7	U	ug/m3	b	MS16052708	0.059	86.5	8.7
SG59B-05	P0801507	TO-15	GS	Acetone	430	U	ug/m3	b	MS16052708	1.0	86.5	430
SG59B-05	P0801507	TO-15	GS	Methylene chloride	43	U	ug/m3	b	MS16052708	0.076	86.5	43
SG60B-05	P0801507	TO-15	GS	Acetone	1700	U	ug/m3	b	MS16052808	0.35	330	1700
SG60B-05	P0801507	TO-15	GS	Methylene chloride	170	U	ug/m3	b	MS16052808	0.064	330	170
SG60BR-05	P0801656	TO-15	GS	Acetone	1600	U	ug/m3	b	MS13060508	0.19	312	1600
SG61B-05	P0801483	TO-15	GS	Acetone	1600	U	ug/m3	b	MS13052608	0.33	326	1600
SG62B-05	P0801483	TO-15	GS	Acetone	390	U	ug/m3	b	MS13052608	0.33	77	390
SG63B-05	P0801483	TO-15	GS	Ethanol	8.0	U	ug/m3	b	MS13052708	1.0	1.6	8.0
SG63B-05	P0801483	TO-15	GS	Carbon disulfide	0.80	U	ug/m3	b	MS13052708	0.29	1.6	0.80
SG63B-05	P0801483	TO-15	GS	Acetone	10	U	ug/m3	b	MS13052708	1.8	1.6	8.0
SG63B-05	P0801483	TO-15	GS	2-Butanone	3.1	U	ug/m3	b	MS13052708	0.35	1.6	0.80
SG69B-05	P0801548	TO-15	GS	Acetone	1600	U	ug/m3	b	MS13053008	0.16	326	1600
SG70B-05	P0801442	TO-15	GS	Acetone	1600	U	ug/m3	b	MS13052408	0.19	320	1600
SG71B-05	P0801442	TO-15	GS	Acetone	1600	U	ug/m3	b	MS13052408	0.19	322	1600
SG75B-05	P0801442	TO-15	GS	Acetone	110	U	ug/m3	b	MS13052408	0.19	21.87	110
SG76B-05	P0801483	TO-15	GS	Acetone	79	U	ug/m3	b	MS13052308	0.36	15.7	79
SG76B-05	P0801483	TO-15	GS	Naphthalene	1.5	U	ug/m3	b	MS13052308	0.082	15.7	3.1
SG77B-05	P0801507	TO-15	GS	Ethanol	780	U	ug/m3	b	MS16052708	0.082	156	780
SG77B-05	P0801507	TO-15	GS	Acetone	780	U	ug/m3	b	MS16052708	1.0	156	780
SG77B-05	P0801507	TO-15	GS	Methylene chloride	78	U	ug/m3	b	MS16052708	0.076	156	78
SG77B-05	P0801507	TO-15	GS	2-Butanone	78	U	ug/m3	b	MS16052708	0.072	156	78
SG78B-05	P0801483	TO-15	GS	Ethanol	170	U	ug/m3	b	MS13052308	0.12	33	170
SG78B-05	P0801483	TO-15	GS	Acetone	170	U	ug/m3	b	MS13060408	0.13	33	170
SG78B-05	P0801483	TO-15	GS	Acetone	170	U	ug/m3	b	MS13052308	0.36	33	170
SG80B-05	P0801483	TO-15	GS	Ethanol	110	U	ug/m3	b	MS13052308	0.12	21.07	110
SG80B-05	P0801483	TO-15	GS	Acetone	110	U	ug/m3	b	MS13052308	0.36	21.07	110

Table E-4
Qualifications Based on Blank Contamination
Phase B Source Area Soil Gas Investigation
Tronox Facility, Henderson Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	Batch ID	MB_Result	Dilution Factor	QL
SG80B-05	P0801483	TO-15	GS	Naphthalene	2.4	U	ug/m3	b	MS13052308	0.082	21.07	4.2
SG81B-05	P0801483	TO-15	GS	Ethanol	76	U	ug/m3	b	MS13052308	0.12	15.2	76
SG81B-05	P0801483	TO-15	GS	Acetone	76	U	ug/m3	b	MS13052308	0.36	15.2	76
SG82B-05	P0801483	TO-15	GS	Vinylacetate	56	U	ug/m3	b	MS13052708	0.40	11.13	56
SG82B-05	P0801483	TO-15	GS	Ethanol	56	U	ug/m3	b	MS13052708	1.0	11.13	56
SG82B-05	P0801483	TO-15	GS	Acetone	56	U	ug/m3	b	MS13052708	1.8	11.13	56
SG82B-05	P0801483	TO-15	GS	2-Butanone	7.4	U	ug/m3	b	MS13052708	0.35	11.13	5.6
SG83B-05	P0801483	TO-15	GS	Acetone	49	U	ug/m3	b	MS13052808	0.35	181	910
SG83B-05	P0801483	TO-15	GS	2-Butanone	91	U	ug/m3	b	MS13052808	0.074	181	91
SG83B-05-1	P0801342	TO-15	GS	Acetone	820	U	ug/m3	b	MS13050808	0.42	164	820
SG83B-05-1	P0801342	TO-15	GS	Isopropylbenzene	82	U	ug/m3	b	MS13050808	0.060	164	82
SG83B-05-1	P0801342	TO-15	GS	Naphthalene	33	U	ug/m3	b	MS13050808	0.10	164	33
SG83B-05-3	P0801342	TO-15	GS	Acetone	840	U	ug/m3	b	MS13050808	0.42	167	840
SG83B-05-7	P0801342	TO-15	GS	Acetone	870	U	ug/m3	b	MS13050808	0.42	173	870
SG83B-05D	P0801483	TO-15	GS	Ethanol	920	U	ug/m3	b	MS13052708	1.0	184	920
SG83B-05D	P0801483	TO-15	GS	Carbon disulfide	92	U	ug/m3	b	MS13052708	0.29	184	92
SG83B-05D	P0801483	TO-15	GS	Acetone	920	U	ug/m3	b	MS13052708	1.8	184	920
SG84B-05	P0801442	TO-15	GS	Acetone	38	U	ug/m3	b	MS13052408	0.19	7.65	38
SG86B-05	P0801483	TO-15	GS	Acetone	110	U	ug/m3	b	MS13052608	0.33	22.27	110
SG89B-05	P0801442	TO-15	GS	Acetone	1600	U	ug/m3	b	MS13052408	0.19	316	1600
SG94B-05	P0801442	TO-15	GS	Acetone	19	U	ug/m3	b	MS13052408	0.19	3.72	19
SG95B-05	P0801442	TO-15	GS	Acetone	20	U	ug/m3	b	MS13052408	0.19	3.9	20

Note:

Reason codes are defined in Table E-2

Data qualifiers are defined in Table E-1

Table E-5
Qualifications Based on Calibration Criteria Exceedances
Phase B Source Area Soil Gas Investigation
Tronox Facility - Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	DQI	DQI Result	DQI Limit
SG38B-20	P0801385	TO-15	GS	1,2-Dichlorobenzene	0.16	UJ	ug/m3	c	ICAL %RSD	30.54%	<30%
SG40B-05	P0801385	TO-15	GS	1,2-Dichlorobenzene	0.16	UJ	ug/m3	c	ICAL %RSD	30.54%	<30%
SG40B-05D	P0801385	TO-15	GS	1,2-Dichlorobenzene	0.16	UJ	ug/m3	c	ICAL %RSD	30.54%	<30%
SG41B-20	P0801385	TO-15	GS	1,2-Dichlorobenzene	0.11	J	ug/m3	c	ICAL %RSD	30.54%	<30%
SG41B-20D	P0801385	TO-15	GS	1,2-Dichlorobenzene	0.16	UJ	ug/m3	c	ICAL %RSD	30.54%	<30%
SG43B-05	P0801385	TO-15	GS	1,2-Dichlorobenzene	0.19	UJ	ug/m3	c	ICAL %RSD	30.54%	<30%
SG64B-05	P0801385	TO-15	GS	1,2-Dichlorobenzene	0.20	UJ	ug/m3	c	ICAL %RSD	30.54%	<30%
SG83B-05-1	P0801342	TO-15	GS	1,2-Dichlorobenzene	16	UJ	ug/m3	c	ICAL %RSD	30.54%	<30%
SG83B-05-3	P0801342	TO-15	GS	1,2-Dichlorobenzene	17	UJ	ug/m3	c	ICAL %RSD	30.54%	<30%
SG83B-05-7	P0801342	TO-15	GS	1,2-Dichlorobenzene	17	UJ	ug/m3	c	ICAL %RSD	30.54%	<30%

Note:
Reason codes are defined in Table E-2
Data qualifiers are defined in Table E-1

Table E-6
Qualifications Based on Field Duplicate Precision
Phase B Source Area Soil Gas Investigation
Tronox Facility,
Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	RPD	RPD Limit
SG07B-05	P0801483	TO-15	GS	Ethylbenzene	0.21	J	ug/m3	fd	158	50%
SG07B-05D	P0801483	TO-15	GS	Ethylbenzene	1.8	J	ug/m3	fd	158	50%
SG51B-05	P0801548	TO-15	GS	Ethylbenzene	3.8	J	ug/m3	fd	133	50%
SG51B-05D	P0801548	TO-15	GS	Ethylbenzene	0.77	J	ug/m3	fd	133	50%
SG07B-05	P0801483	TO-15	GS	N-Propylbenzene	0.16	J	ug/m3	fd	138	50%
SG07B-05D	P0801483	TO-15	GS	N-Propylbenzene	0.87	J	ug/m3	fd	138	50%
SG26B-05	P0801483	TO-15	GS	1,4-Dichlorobenzene	4.9	J	ug/m3	fd	111	50%
SG26B-05D	P0801483	TO-15	GS	1,4-Dichlorobenzene	17	J	ug/m3	fd	111	50%
SG40B-05	P0801385	TO-15	GS	1,4-Dichlorobenzene	81	J	ug/m3	fd	84	50%
SG40B-05D	P0801385	TO-15	GS	1,4-Dichlorobenzene	33	J	ug/m3	fd	84	50%
SG51B-05	P0801548	TO-15	GS	1,4-Dichlorobenzene	5.0	J	ug/m3	fd	NC	50%
SG51B-05D	P0801548	TO-15	GS	1,4-Dichlorobenzene	0.62	UJ	ug/m3	fd	NC	50%
SG53B-05	P0801548	TO-15	GS	1,4-Dichlorobenzene	11	J	ug/m3	fd	84	50%
SG53B-05D	P0801548	TO-15	GS	1,4-Dichlorobenzene	4.5	J	ug/m3	fd	84	50%
SG65B-05	P0801442	TO-15	GS	1,4-Dichlorobenzene	78	J	ug/m3	fd	71	50%
SG65B-05D	P0801442	TO-15	GS	1,4-Dichlorobenzene	37	J	ug/m3	fd	71	50%
SG40B-05	P0801385	TO-15	GS	Allyl chloride	5.5	J	ug/m3	fd	NC	50%
SG40B-05D	P0801385	TO-15	GS	Allyl chloride	0.16	UJ	ug/m3	fd	NC	50%
SG07B-05	P0801483	TO-15	GS	1,3,5-Trimethylbenzene	0.24	J	ug/m3	fd	157	50%
SG07B-05D	P0801483	TO-15	GS	1,3,5-Trimethylbenzene	2.0	J	ug/m3	fd	157	50%
SG51B-05	P0801548	TO-15	GS	1,3,5-Trimethylbenzene	5.3	J	ug/m3	fd	NC	50%
SG51B-05D	P0801548	TO-15	GS	1,3,5-Trimethylbenzene	3.1	UJ	ug/m3	fd	NC	50%
SG53BR-05	P0801656	TO-15	GS	1,3,5-Trimethylbenzene	0.40	J	ug/m3	fd	102	50%
SG53BR-05D	P0801656	TO-15	GS	1,3,5-Trimethylbenzene	0.13	J	ug/m3	fd	102	50%
SG51B-05	P0801548	TO-15	GS	Toluene	50	J	ug/m3	fd	63	50%
SG51B-05D	P0801548	TO-15	GS	Toluene	26	J	ug/m3	fd	63	50%
SG65B-05	P0801442	TO-15	GS	Toluene	9.5	J	ug/m3	fd	59	50%
SG65B-05D	P0801442	TO-15	GS	Toluene	5.2	J	ug/m3	fd	59	50%
SG51B-05	P0801548	TO-15	GS	Chlorobenzene	32	J	ug/m3	fd	119	50%
SG51B-05D	P0801548	TO-15	GS	Chlorobenzene	8.1	J	ug/m3	fd	119	50%

Table E-6
Qualifications Based on Field Duplicate Precision
Phase B Source Area Soil Gas Investigation
Tronox Facility,
Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	RPD	RPD Limit
SG07B-05	P0801483	TO-15	GS	n-Octane	0.36	J	ug/m3	fd	113	50%
SG07B-05D	P0801483	TO-15	GS	n-Octane	1.3	J	ug/m3	fd	113	50%
SG41B-20	P0801385	TO-15	GS	n-Octane	53	J	ug/m3	fd	55	50%
SG41B-20D	P0801385	TO-15	GS	n-Octane	30	J	ug/m3	fd	55	50%
SG51B-05	P0801548	TO-15	GS	n-Octane	17	J	ug/m3	fd	118	50%
SG51B-05D	P0801548	TO-15	GS	n-Octane	4.4	J	ug/m3	fd	118	50%
SG07B-05	P0801483	TO-15	GS	n-Heptane	0.11	J	ug/m3	fd	160	50%
SG07B-05D	P0801483	TO-15	GS	n-Heptane	1.0	J	ug/m3	fd	160	50%
SG41B-20	P0801385	TO-15	GS	n-Heptane	19	J	ug/m3	fd	62	50%
SG41B-20D	P0801385	TO-15	GS	n-Heptane	10	J	ug/m3	fd	62	50%
SG07B-05	P0801483	TO-15	GS	2-Hexanone	0.32	J	ug/m3	fd	137	50%
SG07B-05D	P0801483	TO-15	GS	2-Hexanone	1.7	J	ug/m3	fd	137	50%
SG07B-05	P0801483	TO-15	GS	4-Ethyltoluene	0.23	J	ug/m3	fd	125	50%
SG07B-05D	P0801483	TO-15	GS	4-Ethyltoluene	1.0	J	ug/m3	fd	125	50%
SG65B-05	P0801442	TO-15	GS	Ethanol	53	J	ug/m3	fd	126	50%
SG65B-05D	P0801442	TO-15	GS	Ethanol	12	J	ug/m3	fd	126	50%
SG51B-05	P0801548	TO-15	GS	Chloromethane	6.5	J	ug/m3	fd	122	50%
SG51B-05D	P0801548	TO-15	GS	Chloromethane	27	J	ug/m3	fd	122	50%
SG53B-05	P0801548	TO-15	GS	Carbon disulfide	1.1	J	ug/m3	fd	177	50%
SG53B-05D	P0801548	TO-15	GS	Carbon disulfide	18	J	ug/m3	fd	177	50%
SG53BR-05	P0801656	TO-15	GS	Carbon disulfide	3.4	J	ug/m3	fd	163	50%
SG53BR-05D	P0801656	TO-15	GS	Carbon disulfide	33	J	ug/m3	fd	163	50%
SG65B-05	P0801442	TO-15	GS	Carbon disulfide	9.0	J	ug/m3	fd	81	50%
SG65B-05D	P0801442	TO-15	GS	Carbon disulfide	3.8	J	ug/m3	fd	81	50%
SG65BR-05	P0801656	TO-15	GS	Carbon disulfide	5.5	J	ug/m3	fd	153	50%
SG65BR-05D	P0801656	TO-15	GS	Carbon disulfide	0.73	J	ug/m3	fd	153	50%
SG40B-05	P0801385	TO-15	GS	1,2-Dichloropropane	1.3	J	ug/m3	fd	131	50%
SG40B-05D	P0801385	TO-15	GS	1,2-Dichloropropane	0.27	J	ug/m3	fd	131	50%
SG51B-05	P0801548	TO-15	GS	Hexachlorobutadiene	2.9	J	ug/m3	fd	NC	50%
SG51B-05D	P0801548	TO-15	GS	Hexachlorobutadiene	0.62	UJ	ug/m3	fd	NC	50%

Table E-6
Qualifications Based on Field Duplicate Precision
Phase B Source Area Soil Gas Investigation
Tronox Facility,
Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	RPD	RPD Limit
SG65B-05	P0801442	TO-15	GS	Naphthalene	0.21	J	ug/m3	fd	172	50%
SG65B-05D	P0801442	TO-15	GS	Naphthalene	2.8	J	ug/m3	fd	172	50%
SG07B-05	P0801483	TO-15	GS	o-Xylene	0.47	J	ug/m3	fd	153	50%
SG07B-05D	P0801483	TO-15	GS	o-Xylene	3.5	J	ug/m3	fd	153	50%
SG51B-05	P0801548	TO-15	GS	o-Xylene	9.7	J	ug/m3	fd	177	50%
SG51B-05D	P0801548	TO-15	GS	o-Xylene	0.58	J	ug/m3	fd	177	50%
SG07B-05	P0801483	TO-15	GS	1,2-Dichlorobenzene	0.17	UJ	ug/m3	fd	NC	50%
SG07B-05D	P0801483	TO-15	GS	1,2-Dichlorobenzene	3.7	J	ug/m3	fd	NC	50%
SG51B-05	P0801548	TO-15	GS	1,2-Dichlorobenzene	0.94	J	ug/m3	fd	NC	50%
SG51B-05D	P0801548	TO-15	GS	1,2-Dichlorobenzene	0.62	UJ	ug/m3	fd	NC	50%
SG65B-05	P0801442	TO-15	GS	1,2-Dichlorobenzene	0.38	J	ug/m3	fd	104	50%
SG65B-05D	P0801442	TO-15	GS	1,2-Dichlorobenzene	0.12	J	ug/m3	fd	104	50%
SG07B-05	P0801483	TO-15	GS	1,2,4-Trimethylbenzene	0.80	J	ug/m3	fd	120	50%
SG07B-05D	P0801483	TO-15	GS	1,2,4-Trimethylbenzene	3.2	J	ug/m3	fd	120	50%
SG51B-05	P0801548	TO-15	GS	1,2,4-Trimethylbenzene	4.0	J	ug/m3	fd	NC	50%
SG51B-05D	P0801548	TO-15	GS	1,2,4-Trimethylbenzene	3.1	UJ	ug/m3	fd	NC	50%
SG65B-05	P0801442	TO-15	GS	4-Isopropyltoluene	1.2	J	ug/m3	fd	108	50%
SG65B-05D	P0801442	TO-15	GS	4-Isopropyltoluene	0.36	J	ug/m3	fd	108	50%
SG65BR-05	P0801656	TO-15	GS	4-Isopropyltoluene	0.83	J	ug/m3	fd	146	50%
SG65BR-05D	P0801656	TO-15	GS	4-Isopropyltoluene	0.13	J	ug/m3	fd	146	50%
SG07B-05	P0801483	TO-15	GS	m,p-Xylene	0.96	J	ug/m3	fd	152	50%
SG07B-05D	P0801483	TO-15	GS	m,p-Xylene	7.1	J	ug/m3	fd	152	50%
SG51B-05	P0801548	TO-15	GS	m,p-Xylene	27	J	ug/m3	fd	167	50%
SG51B-05D	P0801548	TO-15	GS	m,p-Xylene	2.4	J	ug/m3	fd	167	50%

Note:

Reason codes are defined in Table E-2

Data qualifiers are defined in Table E-1

Table E-7
Qualification Based on Quantitation Problems
Phase B Source Area Soil Gas Investigation
Tronox Facility Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason
SG43B-05	P0801385	TO-15	GS	Acetone	34	J+	ug/m3	q
SG85B-05	P0801442	TO-15	GS	Bromodichloromethane	0.96	J+	ug/m3	q
SG07B-05	P0801483	TO-15	GS	N-Butylbenzene	0.39	J+	ug/m3	q
SG07B-05D	P0801483	TO-15	GS	N-Butylbenzene	0.50	J+	ug/m3	q
SG09B-05	P0801483	TO-15	GS	N-Butylbenzene	0.77	J+	ug/m3	q
SG18B-05	P0801483	TO-15	GS	N-Butylbenzene	2.4	J+	ug/m3	q
SG63B-05	P0801483	TO-15	GS	N-Butylbenzene	0.42	J+	ug/m3	q
SG79B-05	P0801483	TO-15	GS	N-Butylbenzene	0.97	J+	ug/m3	q
SG14B-05	P0801507	TO-15	GS	N-Butylbenzene	0.71	J+	ug/m3	q
SG15B-05	P0801507	TO-15	GS	N-Butylbenzene	1.1	J+	ug/m3	q
SG42B-05	P0801548	TO-15	GS	Acetone	38	J+	ug/m3	q
SG47B-05	P0801548	TO-15	GS	Acetone	29	J+	ug/m3	q
SG49B-05	P0801548	TO-15	GS	Acetone	16	J+	ug/m3	q
SG51B-05	P0801548	TO-15	GS	2-Hexanone	2.0	J+	ug/m3	q
SG93B-05	P0801548	TO-15	GS	Acetone	16	J+	ug/m3	q
SG01B-05	P0801656	TO-15	GS	Acetone	33	J+	ug/m3	q
SG04B-05	P0801656	TO-15	GS	Acetone	12	J+	ug/m3	q
SG21B-05	P0801656	TO-15	GS	Acetone	16	J+	ug/m3	q
SG24B-05	P0801656	TO-15	GS	Acetone	18	J+	ug/m3	q
SG25B-05	P0801656	TO-15	GS	Acetone	23	J+	ug/m3	q
SG42BR-05	P0801656	TO-15	GS	Acetone	15	J+	ug/m3	q
SG53BR-05	P0801656	TO-15	GS	Acetone	15	J+	ug/m3	q
SG65BR-05	P0801656	TO-15	GS	Acetone	22	J+	ug/m3	q
SG92B-05	P0801656	TO-15	GS	Acetone	10	J+	ug/m3	q
SG94BR-05	P0801656	TO-15	GS	Acetone	41	J+	ug/m3	q

Note:

Reason codes are defined in Table E-2

Data qualifiers are defined in Table E-1

Table E-8
Calculated Helium Percent Leak for Phase B Soil Gas Samples
Phase B Source Area Soil Gas Investigation
Tronox Facility, Henderson, Nevada

Soil Gas Sample ID ¹	Soil Gas Probe Resampled Because of Elevated Helium (yes/no)	Re-sampled Soil Gas Sample ID	Helium Concentration Reported in the Soil Gas Sample (ppmV) ²	Starting helium concentration (%)	Helium concentration (%) inside the shroud measured every five minutes								Average helium concentration inside the shroud		% Average Leak ⁴	
					5 (min)	10 (min)	15 (min)	20 (min)	25 (min)	30 (min)	35 (min)	40 (min)	%	Converted ppmV ³		
SG42B-05	Yes. 5/29/08	SG42BR-05	14,000	8.6	7.1	5.0	12.2	10.9	10.2					9.1	90,800	15.4
SG53B-05	Yes. 5/29/08	SG53BR-05	5,000	11.5	8.1	5.2	15.6	9.4	8.9	8.4				9.3	92,667	5.4
SG64B-05	No	--	60	27.7	38.6	55.3	51.9	48.8	45.4					48.0	480,000	0.0
SG29B-05	No	--	120	7.9	9.4	8.7	7.3	6.7	6.3					7.7	76,800	0.2
SG60B-05	Yes. 5/29/08	SG60BR-05	1,100	7.2	9.0	6.9	5.0	7.2	5.9	12.9	6.3			7.6	76,000	1.4
SG76B-05	No	--	44	9.5	13.7	5.4	16.7	15.5	8.1	9.2	5.1	6.3		10.0	100,000	0.0
SG86B-05	No	--	83	14.6	10.5	7.2	5.2	7.6	5.2	6.9	5.5			6.9	68,714	0.1
SG32B-05	No	--	110	10.9	9.8	6.5	5.4	8.3	7.9	7.2	5.2	6.8		7.1	71,375	0.2
SG17B-05 ⁵	No	see note 5	2,100	11.3	10.1	8.9	8.3	7.6	6.5	5.4				7.8	78,000	2.7
SG18B-05	No	--	190	8.5	8.5	8.3	6.3	15.4	10.6	7.3	5.1	5.7		8.4	84,000	0.2
SG23B-05	No	--	45	15.5	13.8	10.7	8.6	6.0	5.5	8.1	6.1			8.4	84,000	0.1
SG73B-05	No	--	160	12.0	9.4	8.5	7.2	6.4	5.5	10.5	8.9			8.1	80,571	0.2
SG36B-20	No	--	110	16.6	6.7	6.1	5.3	27.5	17.1					12.5	125,400	0.1
SG94B-05	Yes. 5/29/08	SG94BR-05	1,700	6.6	5.4	6.8	5.1	9.6	5.6					6.5	65,000	2.6

Notes

- 1 The list of samples identifies the 14 soil gas samples (of the more than 100 samples collected) that contained detectable concentrations of helium.
- 2 All soil gas samples were tested for helium by the laboratory. Only those samples where helium was detected are shown.
- 3 Conversion factor: 1% v/v = 10,000 ppm
- 4 % Average leak = 100 x (He concentration (ppmV) in soil gas sample) / (average He concentration (%) x 10,000 ppmV).
- 5 The soil gas probe (SG17B-05) could not be resampled because the laboratory data was reported after sampling equipment had been removed from the site.
- Not applicable.

Table E-9
Qualifications Based on Helium Tracer Concentrations
Phase B Source Area Soil Gas Investigation
Tronox Facility - Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	DQI	DQI Result	DQI Limit (1%*)
SG17B-05	P0801483	TO-15	GS	1,1,1-Trichloroethane	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,1,2,2-Tetrachloroethane	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,1,2-Trichloroethane	1.2	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,1,2-Trichlorotrifluoroethane	0.46	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,1-Dichloroethane	2.6	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,1-Dichloroethene	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,2,4-Trichlorobenzene	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,2,4-Trimethylbenzene	0.35	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,2-Dibromo-3-chloropropane	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,2-Dichlorobenzene	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,2-Dichloroethane	2.3	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,2-Dichloropropane	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,2-Dichlorotetrafluoroethane	0.098	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,3,5-Trimethylbenzene	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,3-Dichlorobenzene	0.14	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,4-Dichlorobenzene	0.52	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	1,4-Dioxane	0.51	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	2-Butanone	5.5	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	2-Hexanone	0.83	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	2-Methoxy-2-methyl-butane	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	4-Ethyltoluene	0.11	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	4-Isopropyltoluene	0.19	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	4-Methyl-2-pentanone	0.37	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Acetone	19	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Acrylonitrile	0.15	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Allyl chloride	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	alpha-Methylstyrene	0.19	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Benzene	1.6	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Benzyl Chloride	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Bromodichloromethane	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Bromoform	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Bromomethane	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Carbon disulfide	13	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Carbon tetrachloride	0.28	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Chlorobenzene	0.11	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Chloroethane	3.8	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Chloroform	180	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Chloromethane	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	cis-1,2-Dichloroethene	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	cis-1,3-Dichloropropene	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Dibromochloromethane	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV

Table E-9
Qualifications Based on Helium Tracer Concentrations
Phase B Source Area Soil Gas Investigation
Tronox Facility - Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	DQI	DQI Result	DQI Limit (1%*)
SG17B-05	P0801483	TO-15	GS	Dichlorodifluoromethane	2.3	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Ethanol	7.3	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Ethyl t-butyl ether	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Ethylbenzene	0.16	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Ethylene dibromide	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Hexachlorobutadiene	0.26	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	isopropyl ether	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Isopropylbenzene	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	m,p-Xylene	0.69	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Methyl methacrylate	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Methyl tert butyl ether	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Methylene chloride	1.8	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	N-Butylbenzene	0.22	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	n-Heptane	0.51	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	n-Octane	0.36	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	N-Propylbenzene	0.088	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Naphthalene	0.92	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	o-Xylene	0.27	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	sec-Butylbenzene	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Styrene	0.46	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	t-Butyl alcohol	0.62	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	tert-Butylbenzene	0.33	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Tetrachloroethene	7.5	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Toluene	2.2	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	trans-1,2-Dichloroethylene	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	trans-1,3-Dichloropropene	0.82	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Trichloroethene	0.30	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Trichlorofluoromethane	1.0	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Vinylacetate	5.1	J	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG17B-05	P0801483	TO-15	GS	Vinylchloride	0.16	UJ	ug/m3	t	He tracer	2100 ppmV	780 ppmV
SG42B-05	P0801548	TO-15	GS	1,1,1-Trichloroethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,1,2,2-Tetrachloroethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,1,2-Trichloroethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,1,2-Trichlorotrifluoroethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,1-Dichloroethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,1-Dichloroethene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,2,4-Trichlorobenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,2,4-Trimethylbenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,2-Dibromo-3-chloropropane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,2-Dichlorobenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,2-Dichloroethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV

Table E-9
Qualifications Based on Helium Tracer Concentrations
Phase B Source Area Soil Gas Investigation
Tronox Facility - Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	DQI	DQI Result	DQI Limit (1%*)
SG42B-05	P0801548	TO-15	GS	1,2-Dichloropropane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,2-Dichlorotetrafluoroethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,3,5-Trimethylbenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,3-Dichlorobenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,4-Dichlorobenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	1,4-Dioxane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	2-Butanone		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	2-Hexanone		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	2-Methoxy-2-methyl-butane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	4-Ethyltoluene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	4-Isopropyltoluene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	4-Methyl-2-pentanone		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Acetone		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Acrylonitrile		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Allyl chloride		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	alpha-Methylstyrene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Benzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Benzyl Chloride		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Bromodichloromethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Bromoform		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Bromomethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Carbon disulfide		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Carbon tetrachloride		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Chlorobenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Chloroethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Chloroform		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Chloromethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	cis-1,2-Dichloroethene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	cis-1,3-Dichloropropene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Dibromochloromethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Dichlorodifluoromethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Ethanol		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Ethyl t-butyl ether		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Ethylbenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Ethylene dibromide		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Hexachlorobutadiene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	isopropyl ether		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Isopropylbenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	m,p-Xylene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Methyl methacrylate		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Methyl tert butyl ether		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV

Table E-9
Qualifications Based on Helium Tracer Concentrations
Phase B Source Area Soil Gas Investigation
Tronox Facility - Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	DQI	DQI Result	DQI Limit (1%*)
SG42B-05	P0801548	TO-15	GS	Methylene chloride		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	N-Butylbenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	n-Heptane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	n-Octane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	N-Propylbenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Naphthalene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	o-Xylene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	sec-Butylbenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Styrene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	t-Butyl alcohol		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	tert-Butylbenzene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Tetrachloroethene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Toluene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	trans-1,2-Dichloroethylene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	trans-1,3-Dichloropropene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Trichloroethene		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Trichlorofluoromethane		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Vinylacetate		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG42B-05	P0801548	TO-15	GS	Vinylchloride		R	ug/m3	t	He tracer	14000 ppmV	908 ppmV
SG53B-05	P0801548	TO-15	GS	1,1,1-Trichloroethane	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,1,2,2-Tetrachloroethane	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,1,2-Trichloroethane	5.4	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,1,2-Trichlorotrifluoroethane	0.48	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,1-Dichloroethane	130	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,1-Dichloroethene	3.5	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,2,4-Trichlorobenzene	1.9	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,2,4-Trimethylbenzene	2.2	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,2-Dibromo-3-chloropropane	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,2-Dichlorobenzene	0.33	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,2-Dichloroethane	13	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,2-Dichloropropane	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,2-Dichlorotetrafluoroethane	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,3,5-Trimethylbenzene	0.93	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,3-Dichlorobenzene	0.25	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,4-Dichlorobenzene	11	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	1,4-Dioxane	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	2-Butanone	4.2	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	2-Hexanone	0.77	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	2-Methoxy-2-methyl-butane	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	4-Ethyltoluene	0.88	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	4-Isopropyltoluene	0.47	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV

Table E-9
Qualifications Based on Helium Tracer Concentrations
Phase B Source Area Soil Gas Investigation
Tronox Facility - Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	DQI	DQI Result	DQI Limit (1%*)
SG53B-05	P0801548	TO-15	GS	4-Methyl-2-pentanone	0.85	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Acetone	17	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Acrylonitrile	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Allyl chloride	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	alpha-Methylstyrene	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Benzene	5.0	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Benzyl Chloride	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Bromodichloromethane	0.24	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Bromoform	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Bromomethane	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Carbon disulfide	1.1	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Carbon tetrachloride	0.46	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Chlorobenzene	1.5	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Chloroethane	100	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Chloroform	1400	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Chloromethane	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	cis-1,2-Dichloroethene	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	cis-1,3-Dichloropropene	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Dibromochloromethane	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Dichlorodifluoromethane	2.0	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Ethanol	2.4	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Ethyl t-butyl ether	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Ethylbenzene	2.4	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Ethylene dibromide	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Hexachlorobutadiene	4.8	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	isopropyl ether	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Isopropylbenzene	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	m,p-Xylene	11	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Methyl methacrylate	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Methyl tert butyl ether	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Methylene chloride	12	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	N-Butylbenzene	1.7	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	n-Heptane	0.52	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	n-Octane	0.71	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	N-Propylbenzene	0.56	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Naphthalene	6.9	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	o-Xylene	3.5	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	sec-Butylbenzene	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Styrene	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	t-Butyl alcohol	0.77	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	tert-Butylbenzene	0.66	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV

Table E-9
Qualifications Based on Helium Tracer Concentrations
Phase B Source Area Soil Gas Investigation
Tronox Facility - Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	DQI	DQI Result	DQI Limit (1%*)
SG53B-05	P0801548	TO-15	GS	Tetrachloroethene	65	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Toluene	8.4	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	trans-1,2-Dichloroethylene	0.33	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	trans-1,3-Dichloropropene	1.7	UJ	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Trichloroethene	1.1	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Trichlorofluoromethane	1.0	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Vinylacetate	4.9	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG53B-05	P0801548	TO-15	GS	Vinylchloride	0.52	J	ug/m3	t	He tracer	5000 ppmV	930 ppmV
SG60B-05	P0801507	TO-15	GS	1,1,1-Trichloroethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,1,2,2-Tetrachloroethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,1,2-Trichloroethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,1,2-Trichlorotrifluoroethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,1-Dichloroethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,1-Dichloroethene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,2,4-Trichlorobenzene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,2,4-Trimethylbenzene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,2-Dibromo-3-chloropropane	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,2-Dichlorobenzene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,2-Dichloroethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,2-Dichloropropane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,2-Dichlorotetrafluoroethane	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,3,5-Trimethylbenzene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,3-Dichlorobenzene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,4-Dichlorobenzene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	1,4-Dioxane	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	2-Butanone	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	2-Hexanone	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	2-Methoxy-2-methyl-butane	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	4-Ethyltoluene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	4-Isopropyltoluene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	4-Methyl-2-pentanone	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Acetone	1700	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Acrylonitrile	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Allyl chloride	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	alpha-Methylstyrene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Benzene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Benzyl Chloride	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Bromodichloromethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Bromoform	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Bromomethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Carbon disulfide	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV

Table E-9
Qualifications Based on Helium Tracer Concentrations
Phase B Source Area Soil Gas Investigation
Tronox Facility - Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	DQI	DQI Result	DQI Limit (1%*)
SG60B-05	P0801507	TO-15	GS	Carbon tetrachloride	52	J	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Chlorobenzene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Chloroethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Chloroform	100000	J	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Chloromethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	cis-1,2-Dichloroethene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	cis-1,3-Dichloropropene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Dibromochloromethane	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Dichlorodifluoromethane	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Ethanol	1700	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Ethyl t-butyl ether	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Ethylbenzene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Ethylene dibromide	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Hexachlorobutadiene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	isopropyl ether	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Isopropylbenzene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	m,p-Xylene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Methyl methacrylate	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Methyl tert butyl ether	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Methylene chloride	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	N-Butylbenzene	66	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	n-Heptane	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	n-Octane	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	N-Propylbenzene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Naphthalene	66	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	o-Xylene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	sec-Butylbenzene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Styrene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	t-Butyl alcohol	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	tert-Butylbenzene	66	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Tetrachloroethene	140	J	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Toluene	22	J	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	trans-1,2-Dichloroethylene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	trans-1,3-Dichloropropene	170	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Trichloroethene	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Trichlorofluoromethane	190	J	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Vinylacetate	1700	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG60B-05	P0801507	TO-15	GS	Vinylchloride	33	UJ	ug/m3	t	He tracer	1100 ppmV	760 ppmV
SG94B-05	P0801442	TO-15	GS	1,1,1-Trichloroethane	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,1,2,2-Tetrachloroethane	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,1,2-Trichloroethane	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV

Table E-9
Qualifications Based on Helium Tracer Concentrations
Phase B Source Area Soil Gas Investigation
Tronox Facility - Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	DQI	DQI Result	DQI Limit (1%*)
SG94B-05	P0801442	TO-15	GS	1,1,2-Trichlorotrifluoroethane	0.51	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,1-Dichloroethane	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,1-Dichloroethene	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,2,4-Trichlorobenzene	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,2,4-Trimethylbenzene	0.35	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,2-Dibromo-3-chloropropane	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,2-Dichlorobenzene	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,2-Dichloroethane	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,2-Dichloropropane	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,2-Dichlorotetrafluoroethane	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,3,5-Trimethylbenzene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,3-Dichlorobenzene	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,4-Dichlorobenzene	2.7	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	1,4-Dioxane	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	2-Butanone	6.8	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	2-Hexanone	0.55	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	2-Methoxy-2-methyl-butane	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	4-Ethyltoluene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	4-Isopropyltoluene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	4-Methyl-2-pentanone	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Acetone	19	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Acrylonitrile	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Allyl chloride	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	alpha-Methylstyrene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Benzene	3.6	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Benzyl Chloride	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Bromodichloromethane	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Bromoform	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Bromomethane	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Carbon disulfide	3.2	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Carbon tetrachloride	0.40	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Chlorobenzene	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Chloroethane	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Chloroform	1.5	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Chloromethane	0.26	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	cis-1,2-Dichloroethene	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	cis-1,3-Dichloropropene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Dibromochloromethane	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Dichlorodifluoromethane	2.0	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Ethanol	6.9	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Ethyl t-butyl ether	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV

Table E-9
Qualifications Based on Helium Tracer Concentrations
Phase B Source Area Soil Gas Investigation
Tronox Facility - Henderson, Nevada

Sample ID	SDG	Method	Matrix	Analyte	Result	Qualifiers	Units	Reason	DQI	DQI Result	DQI Limit (1%*)
SG94B-05	P0801442	TO-15	GS	Ethylbenzene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Ethylene dibromide	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Hexachlorobutadiene	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	isopropyl ether	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Isopropylbenzene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	m,p-Xylene	0.51	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Methyl methacrylate	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Methyl tert butyl ether	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Methylene chloride	0.34	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	N-Butylbenzene	0.74	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	n-Heptane	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	n-Octane	0.31	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	N-Propylbenzene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Naphthalene	2.6	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	o-Xylene	0.23	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	sec-Butylbenzene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Styrene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	t-Butyl alcohol	0.67	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	tert-Butylbenzene	0.74	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Tetrachloroethene	3.9	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Toluene	1.7	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	trans-1,2-Dichloroethylene	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	trans-1,3-Dichloropropene	1.9	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Trichloroethene	0.40	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Trichlorofluoromethane	1.1	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Vinylacetate	1.5	J	ug/m3	t	He tracer	1700 ppmV	650 ppmV
SG94B-05	P0801442	TO-15	GS	Vinylchloride	0.37	UJ	ug/m3	t	He tracer	1700 ppmV	650 ppmV
Note:											
Reason codes are defined in Table E-2											
Data qualifiers are defined in Table E-1											
* The DQI Limit is based on 1% of the concentration of helium within the surface shroud.											