

Enbridge Energy, Limited Partnership
1601 Pratt Avenue
Marshall, Michigan 49068



October 13, 2011

Mr. Ralph Dollhopf
Federal On-Scene Coordinator and Incident Commander
U.S. Environmental Protection Agency
801 Garfield Avenue, #229
Traverse City, MI 49686

Re: In the Matter of Enbridge Energy Partners, L.P., *et al*,
Docket No. CWA 1321-5-10-001

Dear Mr. Dollhopf:

Enbridge Energy, Limited Partnership (Enbridge) is requesting the United States Environmental Protection Agency (U.S. EPA) approve the following modification to the *2011 Air Monitoring and Sampling Addendum* (dated June 21, 2011) of the *Sampling and Analysis Plan* (SAP) (dated August 2010). The proposed modifications are being requested for immediate implementation.

Enbridge is requesting an indefinite suspension of all Community Air Sampling and Monitoring activities, Work Area Monitoring, and elimination of River Opening Sampling effective immediately. The air sampling and monitoring program was designed to protect worker safety and public health during assessment and recovery operations. Work activities during these air sampling and monitoring periods included overbank surface soil oil recovery, overbank excavation oil recovery, and submerged oil recovery during a wide range of atmospheric conditions over the 2011 work periods. This request excludes Odor Response sampling activities which will continue with expedited shipping and 24-hour analytical turnaround times for samples collected.

This request for modification is supported by 2,059 Work Area and Community Air samples collected during 2010 and 1,266 Work Area and Community Air samples collected in 2011, as of September 16, 2011. In addition to the lab analyzed samples, we have collected 66,922 real-time community readings in 2010 and 18,662 in 2011, as of September 16, 2011 for VOCs, H₂S, SO₂, and benzene (all non-detect above screening limits).

Between June 3, 2011 and September 16, 2011, a total of 10 Target Analytes have been detected above Human Health Air Screening Levels (HHASLs) in 2011 along with 22 detections of Non-Target Analytes above HHASLs, which are not related to crude oil released from Line 6B MP 608. Detections of both Target and Non-Target Analytes have been inconsistent and do not alter our conclusions regarding air sampling and monitoring results. In addition, efforts have been taken to evaluate potential lab related issues for select contaminants including isopropyl alcohol and acetone, which revealed these contaminants along with carbonyl sulfide in the laboratory carrier gas. It is important to note that these are 8-, 12-, and 24-hour samples (acute exposure) being compared to chronic exposure based screening levels (greater than one year). Therefore we also compared measures of central tendency (including median and mean values) of contaminant levels over the sampling duration in 2011, which indicated values well below the applicable HHASLs.

The attached tables and figures provide details regarding chemicals detected and comparisons with applicable HHASLs. Please refer to the attached **Table 1: Cumulative Air Sample Summary – Target Analytes** and **Table 2: Cumulative Air Sample Summary – Non-Target**

Analytes for a summary of analytical results from June 3, 2011 to September 16, 2011 for Target Analytes and Non-Target Analytes, respectively. In addition, see attached figures for visual depictions of sampling results compared against applicable HHASLs for each of the detected Target Analytes and specific Non-Target Analytes of interest.

Enbridge is also requesting the elimination of River Opening Sampling and Monitoring, as included in *Memorandum -RE: Modification of the 2011 Air Monitoring and Sampling Addendum to the Sampling and Analysis Plan*, dated July 6, 2011, due to the lack of applicability based on the extensive Work Area and Community Air Sampling and Monitoring conducted in 2010 and 2011 with minimal detections of Target Analytes as outlined in the above text and associated tables and figures.

Assessment of Community Air Sampling and Monitoring results lead us to conclude that our analytical data set is well established, concentrations of Target Analytes in ambient air throughout the community are stable and below levels of concern, and that work activities do not negatively influence ambient air concentrations. Additionally, as ambient air temperatures continue to decrease for the remainder of 2011, weather conditions substantiate a lesser potential for volatilization of chemicals in comparison to the higher ambient air temperatures observed during the sample collection conducted in 2011 to date. Therefore, Enbridge believes it has been demonstrated that continued air sampling and monitoring is unnecessary.

Enbridge welcomes the opportunity to present additional information regarding our sampling and monitoring strategy, a review of data collected, and a detailed assessment of results. If you have any questions regarding this request, please do not hesitate to contact me.

Sincerely,

ENBRIDGE ENERGY, LIMITED
PARTNERSHIP
By Enbridge Pipelines (Lakehead) L.L.C.
Its General Partner

A handwritten signature in black ink, appearing to read 'Richard Adams', with a long horizontal line extending to the right.

Richard Adams
Vice President, U.S. Operations

CC: Joel W. Kanvik, Enbridge
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Table 1. Cumulative Air Sample Summary - Target Analytes
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Target Analytes - Predominant Crude Oil VOCs Detected by TO-15 Analysis (including TICs)	CAS NO	Human Health Air Screening Level (ppbv)	Source	All Sample Durations†				8-hour Target Period				12-hour Target Period				24-hour Target Period			
				N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)
1,2,4-Trimethylbenzene	95-63-6	1.5	EPA RfC(1)	1266	1	1.0	3.0	364	0	ND	ND	117	0	ND	ND	785	1	1.0	3.0
Benzene	71-43-2	3	ATSDR Chr. MRL(1)	1266	4	1.0	4.0	364	0	ND	ND	117	0	ND	ND	785	4	1.0	4.0
2-Methylbutane*	78-78-4	6000	MDEQ(1)	1266	43	10.4	83.0	364	0	ND	ND	117	0	ND	ND	785	43	10.4	83.0
Cyclohexane	110-82-7	2000	EPA RfC(1)	1266	25	1.0	63.0	364	1	5.0	63.0	117	0	ND	ND	785	24	1.0	20.0
1,3-Dimethylcyclohexane*	591-21-9	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Methylcyclopentane*	96-37-7	200	MDEQ(1)	1266	2	2.6	3.7	364	0	ND	ND	117	0	ND	ND	785	2	2.6	3.7
cis-1,3-Dimethylcyclohexane*	638-04-0	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Butylcyclohexane*	1678-93-9	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Ethylcyclohexane*	1678-91-7	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Methylcyclohexane*	108-87-2	4000	MDEQ(1)	1266	2	3.9	4.6	364	0	ND	ND	117	0	ND	ND	785	2	3.9	4.6
Propylcyclohexane*	1678-92-8	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,1-Dimethylcyclopentane*	1638-26-2	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
trans-1,3-Dimethylcyclopentane*	1759-58-6	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
trans-1,2-Dimethylcyclopentane*	822-50-4	0.025	MDEQ(1)	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
3-Methylheptane*	589-81-1	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
2,6-Dimethyl-2-Octene*	4057-42-5	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Decane*	124-18-5	NA	NA	1266	3	4.7	8.9	364	0	ND	ND	117	0	ND	ND	785	3	4.7	8.9
Dodecane*	112-40-3	NA	NA	1266	4	2.5	5.6	364	0	ND	ND	117	0	ND	ND	785	4	2.5	5.6
Ethylbenzene	100-41-4	60	ATSDR Chr. MRL(1)	1266	3	1.0	3.0	364	0	ND	ND	117	0	ND	ND	785	3	1.0	3.0
4-Ethyltoluene	622-96-8	70	MDEQ(1)	1266	1	1.0	1.0	364	0	ND	ND	117	0	ND	ND	785	1	1.0	1.0
n-Heptane	142-82-5	850	MDEQ(1)	1266	13	1.0	14.0	364	0	ND	ND	117	0	ND	ND	785	13	1.0	14.0
n-Hexane	110-54-3	200	EPA RfC(1)	1266	18	1.0	3.0	364	0	ND	ND	117	0	ND	ND	785	18	1.0	3.0
Naphthalene*	91-20-3	1	ATSDR Chr. MRL(1)	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Nonane*	111-84-2	40	EPA RfC(1)	1266	1	18.0	18.0	364	0	ND	ND	117	0	ND	ND	785	1	18.0	18.0
2-Methylhexane*	591-76-4	850	MDEQ(1)	1266	4	18.3	35.0	364	1	35.0	35.0	117	0	ND	ND	785	3	12.7	29.0
Octane*	111-65-9	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
3-Methyloctane*	2216-33-3	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
2-Methylpentane*	107-83-5	5000	MDEQ(1)	1266	1	1.7	1.7	364	0	ND	ND	117	0	ND	ND	785	1	1.7	1.7
Toluene	108-88-3	80	ATSDR Chr. MRL(1)	1266	256	4.5	270.0	364	3	5.0	54.0	117	1	5.0	17.0	785	252	3.9	270.0
3-Methylhexane*	589-34-4	850	MDEQ(1)	1266	4	16.5	48.0	364	0	ND	ND	117	0	ND	ND	785	4	16.5	48.0
2-Methylheptane*	592-27-8	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,1,3- Trimethylcyclohexane*	3073-66-3	NA	NA	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,3,5-Trimethylbenzene	108-67-8	45	MDEQ(1)	1266	0	ND	ND	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Undecane*	1120-21-4	NA	NA	1266	1	1.5	1.5	364	0	ND	ND	117	0	ND	ND	785	1	1.5	1.5
m&p-Xylene	179601-23-1	50	EPA RfC(1)	1266	6	2.0	10.0	364	0	ND	ND	117	0	ND	ND	785	6	2.0	10.0
o-Xylene	95-47-6	50	EPA RfC(1)	1266	3	1.0	3.0	364	0	ND	ND	117	0	ND	ND	785	3	1.0	3.0

PPBV - Parts Per Billion Volume

* - TIC (tentatively identified compound)

** - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects. Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects. Average Levels for tentatively identified compounds are the mean of detects.

†Samples reported do not include instantaneous 'grab' samples. Samples with 8-24 hour target sample periods are included.

NA - Not Available/ND - Not Detected

N - Number of samples analyzed/NDET - Number of detections

(1) - Unless otherwise noted, the screening level was obtained from Enbridge Oil Spill Human Health Air Screening Levels, August 31, 2011.

ATSDR Chr. MRL - Agency for Toxic Substances and Disease Registry - Chronic Minimal Risk Level for Inhalation

EPA RfC - If no Chronic MRL is available, the screening level is the EPA Chronic Reference Concentration (RfC).

EPA RSL - If none of the above are available, the EPA Regional Screening Level (RSL) is used.

MDEQ - If none of the above are available, the Michigan DEQ Air Quality Division, Air Toxics Screening Level is the screening level.

Table 2. Cumulative Air Sample Summary - Non-Target Analytes
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Non-Target Analytes (including TICs)	CAS NO	Human Health Air Screening Level (ppbv)	Source	All Sample Durations†				8-hour Target Period				12-hour Target Period				24-hour Target Period			
				N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)
1,1,1-trichloroethane	71-55-6	1000	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,1,1,2-Tetrachloroethane	79-34-5	0.006	EPA RSL(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	4000	EPA RSL(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,1,2-Trichloroethane	79-00-5	0.04	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,1-Dichloroethane	75-34-3	0.4	EPA RSL(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,1-Dichloroethene	75-35-4	50	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,2,4-Trichlorobenzene	120-82-1	0.3	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,2-Dibromoethane	106-93-4	1	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,2-Dichloro-1,1,2,2-Tetrafluoroethane	76-14-2	9900	MDEQ(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,2-Dichlorobenzene	95-50-1	30	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,2-Dichloroethane	107-06-2	600	ATSDR Chr. MRL(!)	1266	2	1	3.0	364	0	ND	ND	117	0	ND	ND	785	2	1.0	3.0
1,2-Dichloropropane	78-87-5	1	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,2-PENTADIENE*	591-95-7	NA	NA	1266	1	1.6	1.6	364	0	ND	ND	117	0	ND	ND	785	1	1.6	1.6
1,3-Butadiene	106-99-0	1	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,3-BUTADIENE, 2-METHYL-*	78-79-5	NA	NA	1266	4	2.7	6.4	364	1	6.4	6.4	117	0	ND	ND	785	3	1.5	1.6
1,3-Dichlorobenzene	541-73-1	0.5	MDEQ(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,3-PENTADIENE*	504-60-9	NA	NA	1266	2	8.4	8.9	364	0	ND	ND	117	0	ND	ND	785	2	8.4	8.9
1,3-PENTADIENE, (E)-*	2004-70-8	NA	NA	1266	2	1.8	1.9	364	0	ND	ND	117	0	ND	ND	785	2	1.8	1.9
1,4-Dichlorobenzene	106-46-7	10	ATSDR Chr. MRL(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1,4-Dioxane	123-91-1	1000	ATSDR Chr. MRL(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1-DECENE*	872-05-9	NA	NA	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
1-HEPTANAL, 3,5,5-TRIETHYL-*	1000160-77-0	NA	NA	1266	4	14.6	29.0	364	0	ND	ND	117	0	ND	ND	785	4	14.6	29.0
1-HEPTANOL, 2-PROPYL-*	10042-59-8	NA	NA	1266	1	1.5	1.5	364	0	ND	ND	117	0	ND	ND	785	1	1.5	1.5
1-HEXENE, 4-METHYL-*	3769-23-1	NA	NA	1266	1	5.6	5.6	364	0	ND	ND	117	0	ND	ND	785	1	5.6	5.6
1-METHYL-2-METHYLENECYCLOHEXANE*	2808-75-5	NA	NA	1266	1	1.2	1.2	364	0	ND	ND	117	0	ND	ND	785	1	1.2	1.2
1-METHYLDECAHYDRONAPHTHALENE*	2958-75-0	NA	NA	1266	7	10.9	26.0	364	0	ND	ND	117	0	ND	ND	785	7	10.9	26.0
1-TRIDECENE*	2437-56-1	NA	NA	1266	1	1.3	1.3	364	0	ND	ND	117	0	ND	ND	785	1	1.3	1.3
2(1H)-NAPHTHALENONE, OCTAHYDRO-4...*	938-06-7	NA	NA	1266	1	29	29.0	364	0	ND	ND	117	0	ND	ND	785	1	29.0	29.0
2,2,4-Trimethylpentane	540-84-1	750	MDEQ(!)	1266	1	1	1.0	364	0	ND	ND	117	0	ND	ND	785	1	1.0	1.0
2,2,7,7-TETRAMETHYLOCTANE*	1071-31-4	NA	NA	1266	1	1.2	1.2	364	0	ND	ND	117	0	ND	ND	785	1	1.2	1.2
2,3,4,5-TETRAHYDROPYRIDAZINE*	694-06-4	NA	NA	1266	1	2.2	2.2	364	0	ND	ND	117	0	ND	ND	785	1	2.2	2.2
2-BUTENAL*	4170-30-3	3	MDEQ(!)	1266	1	1.7	1.7	364	0	ND	ND	117	0	ND	ND	785	1	1.7	1.7
2-BUTENAL, (E)-*	123-73-9	NA	NA	1266	4	1.9	2.7	364	0	ND	ND	117	0	ND	ND	785	4	1.9	2.7
2-BUTENOIC ACID, METHYL ESTER, (Z)-*	4358-59-2	NA	NA	1266	1	8	8.0	364	0	ND	ND	117	0	ND	ND	785	1	8.0	8.0
2-Chloro-1,3-butadiene	126-99-8	6	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
2-DECENAL, (E)-*	3913-81-3	NA	NA	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
2-HEPTANONE*	110-43-0	500	MDEQ(!)	1266	1	11	11.0	364	0	ND	ND	117	0	ND	ND	785	1	11.0	11.0
2-PENTANONE*	107-87-9	1500	MDEQ(!)	1266	2	23.5	29.0	364	0	ND	ND	117	0	ND	ND	785	2	23.5	29.0
2-PROPANOL, 2-METHYL-*	75-65-0	600	MDEQ(!)	1266	6	47.6	120.0	364	0	ND	ND	117	2	120.0	120.0	785	4	11.4	18.0
3,5-DECADIENE, 2,2-DIMETHYL-, (Z)...*	55638-50-1	NA	NA	1266	1	6.4	6.4	364	0	ND	ND	117	0	ND	ND	785	1	6.4	6.4
3,5-OCTADIENE, 4,5-DIETHYL-*	67652-84-0	NA	NA	1266	1	10	10.0	364	0	ND	ND	117	0	ND	ND	785	1	10.0	10.0
3-Chloropropene	107-05-1	32	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
3-HEPTANONE*	106-35-4	NA	NA	1266	1	2.4	2.4	364	0	ND	ND	117	0	ND	ND	785	1	2.4	2.4
4-DECENE, 2,2-DIMETHYL-, (E)-*	55534-69-5	NA	NA	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
4-NONENE, 5-BUTYL-*	7367-38-6	NA	NA	1266	1	3.9	3.9	364	0	ND	ND	117	0	ND	ND	785	1	3.9	3.9
4-TRIFLUOROACETOXYTRIDECANE*	1000245-47-3	NA	NA	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
5-OCTEN-2-YN-4-OL*	1000196-87-1	NA	NA	1266	1	11	11.0	364	0	ND	ND	117	0	ND	ND	785	1	11.0	11.0

Table 2. Cumulative Air Sample Summary - Non-Target Analytes
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Non-Target Analytes (including TICs)	CAS NO	Human Health Air Screening Level (ppbv)	Source	All Sample Durations†				8-hour Target Period				12-hour Target Period				24-hour Target Period			
				N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)
7-METHYLBICYCLO[4.2.0]OCTANE*	1000210-90-2	NA	NA	1266	1	4.5	4.5	364	0	ND	ND	117	0	ND	ND	785	1	4.5	4.5
7-NORBORNYL T-BUTYL ETHER*	3391-07-9	NA	NA	1266	1	14	14.0	364	0	ND	ND	117	0	ND	ND	785	1	14.0	14.0
ACETALDEHYDE*	75-07-0	5	EPA RfC(1)	1266	26	6.9	15.0	364	5	7.7	10.0	117	3	8.2	11.0	785	18	6.5	15.0
ACETIC ACID, 1,1-DIMETHYLETHYL ESTER*	540-88-5	2000	MDEQ(1)	1266	1	2.2	2.2	364	0	ND	ND	117	0	ND	ND	785	1	2.2	2.2
ACETIC ACID, 2-ETHYLHEXYL ESTER*	103-09-3	2	MDEQ(1)	1266	1	6.2	6.2	364	0	ND	ND	117	1	6.2	6.2	785	0	ND	ND
ACETOACETIC ACID, 1-THIO-, S-ALLYL*	15780-65-1	NA	NA	1266	3	1.6	1.8	364	0	ND	ND	117	0	ND	ND	785	3	1.6	1.8
Acetone	67-64-1	13000	EPA RSL(1)	1266	1096	8.1	300.0	364	339	9.9	120.0	117	116	17.3	300.0	785	641	5.9	89.0
ACETONITRILE*	75-05-8	36	EPA RfC(1)	1266	62	7.7	47.0	364	5	8.3	12.0	117	2	5.9	6.4	785	55	7.7	47.0
Acrylonitrile	107-13-1	1	EPA RfC(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
ALPHA-PINENE*	80-56-8	200	MDEQ(1)	1266	2	7.1	13.0	364	0	ND	ND	117	0	ND	ND	785	2	7.1	13.0
BENZENE, 1,3,5-TRICHLORO-*	108-70-3	NA	NA	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
BENZENE, 1,3-DIETHYL-*	141-93-5	NA	NA	1266	1	1.9	1.9	364	0	ND	ND	117	0	ND	ND	785	1	1.9	1.9
BENZENE, 1-METHYL-4-(1-METHYLETHYL)*	99-87-6	1.8	MDEQ(1)	1266	1	2.7	2.7	364	0	ND	ND	117	0	ND	ND	785	1	2.7	2.7
Benzyl chloride	100-44-7	0.2	EPA RfC(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
BETA-PINENE*	127-91-3	200	MDEQ(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Bromodichloromethane	75-27-4	0.01	EPA RSL(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Bromoform	75-25-2	0.2	EPA RSL(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
BROMOMETHANE	74-83-9	5	ATSDR Chr. MRL(1)	1266	10	1	23.0	364	1	5.0	15.0	117	3	5.0	23.0	785	6	1.0	7.1
BUTANAMIDE, 3,3-DIMETHYL-*	926-04-5	NA	NA	1266	1	5.6	5.6	364	0	ND	ND	117	0	ND	ND	785	1	5.6	5.6
BUTANE*	106-97-8	10000	MDEQ(1)	1266	7	4.8	10.0	364	0	ND	ND	117	0	ND	ND	785	7	4.8	10.0
BUTANOIC ACID, 2-METHYLPROPYL ESTER*	539-90-2	NA	NA	1266	1	1.9	1.9	364	0	ND	ND	117	0	ND	ND	785	1	1.9	1.9
BUTANOIC ACID, BUTYL ESTER*	109-21-7	NA	NA	1266	1	14	14.0	364	0	ND	ND	117	0	ND	ND	785	1	14.0	14.0
BUTANOIC ACID, ETHYL ESTER*	105-54-4	NA	NA	1266	1	17	17.0	364	0	ND	ND	117	0	ND	ND	785	1	17.0	17.0
BUTANOIC ACID, METHYL ESTER*	623-42-7	NA	NA	1266	1	4.8	4.8	364	0	ND	ND	117	0	ND	ND	785	1	4.8	4.8
BUTANOIC ACID, PROPYL ESTER*	105-66-8	NA	NA	1266	1	16	16.0	364	0	ND	ND	117	0	ND	ND	785	1	16.0	16.0
CARBON DISULFIDE	75-15-0	200	EPA RfC(1)	1266	60	2	120.0	364	0	ND	ND	117	0	ND	ND	785	60	3.1	120.0
Carbon tetrachloride	56-23-5	30	ATSDR Chr. MRL(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
CARBONYL SULFIDE*	463-58-1	4	MDEQ(1)	1266	5	2.3	5.2	364	0	ND	ND	117	0	ND	ND	785	5	2.3	5.2
Chlorobenzene	108-90-7	10	EPA RfC(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Chloroethane	75-00-3	4000	EPA RfC(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Chloroform	67-66-3	20	ATSDR Chr. MRL(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Chloromethane	74-87-3	50	ATSDR Chr. MRL(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
cis-1,2-dichloroethene	156-59-2	9	MDEQ(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
cis-1,3-Dichloropropene	10061-02-6	4	MDEQ(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Cumene	98-82-8	80	EPA RfC(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
CYCLODECENE, 1-METHYL-*	66633-38-3	NA	NA	1266	2	4.7	5.2	364	0	ND	ND	117	0	ND	ND	785	2	4.7	5.2
CYCLODODECANE*	294-62-2	NA	NA	1266	1	1.7	1.7	364	0	ND	ND	117	0	ND	ND	785	1	1.7	1.7
CYCLODODECENE*	1501-82-2	NA	NA	1266	1	8.6	8.6	364	0	ND	ND	117	0	ND	ND	785	1	8.6	8.6
CYCLODODECENE, (E)-*	1486-75-5	NA	NA	1266	1	7.7	7.7	364	0	ND	ND	117	0	ND	ND	785	1	7.7	7.7
CYCLOHEXANE, 1,2,3-TRIMETHYL-*	7667-55-2	NA	NA	1266	1	3.8	3.8	364	0	ND	ND	117	0	ND	ND	785	1	3.8	3.8
CYCLOHEXANE, 2-BUTYL-1,1,3-TRIMETHYL-*	54676-39-0	NA	NA	1266	4	22.8	48.0	364	0	ND	ND	117	0	ND	ND	785	4	22.8	48.0
CYCLOHEXANOL, 3-(3,3-DIMETHYLBUTYL)-*	40564-98-5	NA	NA	1266	3	10.2	15.0	364	0	ND	ND	117	0	ND	ND	785	3	10.2	15.0
CYCLOHEXANONE, 2,3-DIMETHYL-*	13395-76-1	NA	NA	1266	1	26	26.0	364	0	ND	ND	117	0	ND	ND	785	1	26.0	26.0
CYCLOPENTANE*	287-92-3	6000	MDEQ(1)	1266	2	3.4	5.1	364	0	ND	ND	117	0	ND	ND	785	2	3.4	5.1
CYCLOPENTANE, 1,1'-ETHYLIDENE BIS-*	4413-21-2	NA	NA	1266	1	9.7	9.7	364	0	ND	ND	117	0	ND	ND	785	1	9.7	9.7
CYCLOPENTANE, 1-HYDROXYMETHYL-*	1000156-73-8	NA	NA	1266	1	6.1	6.1	364	0	ND	ND	117	0	ND	ND	785	1	6.1	6.1
CYCLOPENTANE, 1-PENTYL-2-PROPYL-*	62199-51-3	NA	NA	1266	1	1.1	1.1	364	0	ND	ND	117	0	ND	ND	785	1	1.1	1.1

Table 2. Cumulative Air Sample Summary - Non-Target Analytes
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Non-Target Analytes (including TICs)	CAS NO	Human Health Air Screening Level (ppbv)	Source	All Sample Durations†				8-hour Target Period				12-hour Target Period				24-hour Target Period			
				N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)
CYCLOPENTANE, PROPYL-*	2040-96-2	NA	NA	1266	1	6.1	6.1	364	0	ND	ND	117	0	ND	ND	785	1	6.1	6.1
DECANAL*	112-31-2	NA	NA	1266	2	7.9	8.7	364	0	ND	ND	117	0	ND	ND	785	2	7.9	8.7
DECANE, 2,2,4-TRIMETHYL-*	62237-98-3	NA	NA	1266	1	1.1	1.1	364	0	ND	ND	117	0	ND	ND	785	1	1.1	1.1
DECANE, 2,2,6-TRIMETHYL-*	62237-97-2	NA	NA	1266	1	4.3	4.3	364	0	ND	ND	117	0	ND	ND	785	1	4.3	4.3
DECANE, 2,2,8-TRIMETHYL-*	62238-01-1	NA	NA	1266	1	14	14.0	364	0	ND	ND	117	0	ND	ND	785	1	14.0	14.0
DECANE, 2,2-DIMETHYL-*	17302-37-3	NA	NA	1266	1	1.3	1.3	364	0	ND	ND	117	0	ND	ND	785	1	1.3	1.3
DECANE, 2,3,4-TRIMETHYL-*	62238-15-7	NA	NA	1266	1	1.5	1.5	364	0	ND	ND	117	0	ND	ND	785	1	1.5	1.5
DECANE, 2,3,5-TRIMETHYL-*	62238-11-3	NA	NA	1266	1	6.1	6.1	364	0	ND	ND	117	0	ND	ND	785	1	6.1	6.1
DECANE, 2,6,7-TRIMETHYL-*	62108-25-2	NA	NA	1266	1	6.6	6.6	364	0	ND	ND	117	0	ND	ND	785	1	6.6	6.6
DIACETYL*	431-03-8	NA	NA	1266	1	1.8	1.8	364	0	ND	ND	117	0	ND	ND	785	1	1.8	1.8
Dibromochloromethane	124-48-1	0.01	EPA RSL(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
DICHLOROACETIC ACID, 4-TRIDECYL ESTER*	1000280-64-3	NA	NA	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Dichlorodifluoromethane	75-71-8	20	EPA RIC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
DIMETHYL ETHER*	115-10-6	35	MDEQ(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
DISULFIDE, DIMETHYL*	624-92-0	7.3	MDEQ(!)	1266	1	2.4	2.4	364	0	ND	ND	117	0	ND	ND	785	1	2.4	2.4
DISULFIDE, FLUOROMETHYL METHYL*	60307-49-5	NA	NA	1266	1	2	2.0	364	0	ND	ND	117	0	ND	ND	785	1	2.0	2.0
DODECANE, 2,2,11,11-TETRAMETHYL-*	127204-12-0	NA	NA	1266	1	6.6	6.6	364	0	ND	ND	117	0	ND	ND	785	1	6.6	6.6
DODECANE, 2,6,11-TRIMETHYL-*	31295-56-4	NA	NA	1266	1	1.6	1.6	364	0	ND	ND	117	0	ND	ND	785	1	1.6	1.6
DODECANE, 6-METHYL-*	6044-71-9	NA	NA	1266	1	1.7	1.7	364	0	ND	ND	117	0	ND	ND	785	1	1.7	1.7
ETHANE, 1,1-DIFLUORO-*	75-37-6	14800	EPA RIC(!)	1266	9	6	12.0	364	0	ND	ND	117	0	ND	ND	785	9	6.0	12.0
ETHYL ACETATE	141-78-6	890	MDEQ(!)	1266	67	3	76.0	364	2	5.0	76.0	117	0	ND	ND	785	65	1.6	33.0
ETHYL ALCOHOL*	64-17-5	10000	MDEQ(!)	1266	29	68.9	220.0	364	1	7.3	7.3	117	1	15.0	15.0	785	27	73.2	220.0
EUCALYPTOL*	470-82-6	NA	NA	1266	1	6.9	6.9	364	0	ND	ND	117	1	6.9	6.9	785	0	ND	ND
FURAN, 2,3-DIHYDRO-3-METHYL-*	1708-27-6	NA	NA	1266	1	1.5	1.5	364	0	ND	ND	117	0	ND	ND	785	1	1.5	1.5
HENEICOSANE*	629-94-7	NA	NA	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
HEPTADECANE, 7-METHYL*	20959-33-5	NA	NA	1266	1	1.4	1.4	364	0	ND	ND	117	0	ND	ND	785	1	1.4	1.4
HEPTANE, 2,2,3,4,6,6-HEXAMETHYL-*	62108-32-1	NA	NA	1266	2	3.9	6.5	364	0	ND	ND	117	0	ND	ND	785	2	3.9	6.5
HEPTANE, 2,2,4,6,6-PENTAMETHYL-*	13475-82-6	NA	NA	1266	2	3.1	3.9	364	0	ND	ND	117	0	ND	ND	785	2	3.1	3.9
HEPTANE, 2,2,4-TRIMETHYL-*	14720-74-2	NA	NA	1266	1	13	13.0	364	0	ND	ND	117	0	ND	ND	785	1	13.0	13.0
HEPTANE, 2,2-DIMETHYL-*	1071-26-7	NA	NA	1266	1	57	57.0	364	0	ND	ND	117	0	ND	ND	785	1	57.0	57.0
HEPTANE, 4-ETHYL-2,2,6,6-TETRAMER*	62108-31-0	NA	NA	1266	1	6.4	6.4	364	0	ND	ND	117	0	ND	ND	785	1	6.4	6.4
Hexachlorobutadiene	87-68-3	0.01	EPA RSL(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
HEXADECANE*	544-76-3	NA	NA	1266	1	1.5	1.5	364	0	ND	ND	117	0	ND	ND	785	1	1.5	1.5
HEXADECANE, 2,6,10,14-TETRAMETHYL-*	638-36-8	NA	NA	1266	1	29	29.0	364	0	ND	ND	117	0	ND	ND	785	1	29.0	29.0
HEXANAL*	66-25-1	0.49	MDEQ(!)	1266	7	3.9	9.2	364	1	6.0	6.0	117	0	ND	ND	785	6	3.6	9.2
HEXANE, 2,2,5,5-TETRAMETHYL-*	1071-81-4	NA	NA	1266	1	1.2	1.2	364	0	ND	ND	117	0	ND	ND	785	1	1.2	1.2
HEXANE, 2,2,5-TRIMETHYL-*	3522-94-9	NA	NA	1266	2	3.5	5.2	364	0	ND	ND	117	0	ND	ND	785	2	3.5	5.2
HEXANE, 2,3,4-TRIMETHYL-*	921-47-1	NA	NA	1266	1	15	15.0	364	0	ND	ND	117	0	ND	ND	785	1	15.0	15.0
HEXANE, 2,4-DIMETHYL-*	589-43-5	NA	NA	1266	3	5	8.8	364	0	ND	ND	117	0	ND	ND	785	3	5.0	8.8
HEXANOIC ACID, METHYL ESTER*	106-70-7	NA	NA	1266	1	2.4	2.4	364	0	ND	ND	117	0	ND	ND	785	1	2.4	2.4
HEXATRIACONTANE*	630-06-8	NA	NA	1266	1	5.2	5.2	364	0	ND	ND	117	0	ND	ND	785	1	5.2	5.2
HEXYL N-VALERATE*	1117-59-5	NA	NA	1266	1	2.2	2.2	364	0	ND	ND	117	0	ND	ND	785	1	2.2	2.2
ISOBUTANE*	75-28-5	10000	MDEQ(!)	1266	37	11.7	38.0	364	10	13.2	38.0	117	0	ND	ND	785	27	11.1	38.0
Isopropyl Alcohol	67-63-0	3000	EPA RIC(!)	1266	1098	11.8	530.0	364	274	11.9	150.0	117	113	22.8	130.0	785	711	10.1	530.0
LIMONENE*	138-86-3	NA	NA	1266	6	7.9	21.0	364	1	21.0	21.0	117	0	ND	ND	785	5	5.3	8.1
METHYL 3-BUTENOATE*	3724-55-8	NA	NA	1266	2	5.1	8.8	364	0	ND	ND	117	0	ND	ND	785	2	5.1	8.8
Methyl butyl ketone	591-78-6	10	EPA RIC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND

Table 2. Cumulative Air Sample Summary - Non-Target Analytes
 Enbridge Line 6B MP 608 Marshall, MI Pipeline Release
 Enbridge Energy, Limited Partnership

Non-Target Analytes (including TICs)	CAS NO	Human Health Air Screening Level (ppbv)	Source	All Sample Durations†				8-hour Target Period				12-hour Target Period				24-hour Target Period			
				N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)
METHYL ETHYL KETONE	78-93-3	2000	EPA RfC(1)	1266	48	1	120.0	364	0	ND	ND	117	1	5.0	30.0	785	47	1.7	120.0
Methyl isobutyl ketone	108-10-1	700	EPA RfC(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Methyl tert-butyl ether	1634-04-4	700	ATSDR Chr. MRL(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
METHYLENE CHLORIDE	75-09-2	300	ATSDR Chr. MRL(1)	1266	18	1	9.0	364	0	ND	ND	117	0	ND	ND	785	18	1.0	9.0
NAPHTHALENE, 2-(1,1-DIMETHYLETHY...*	54934-96-2	NA	NA	1266	1	7.8	7.8	364	0	ND	ND	117	0	ND	ND	785	1	7.8	7.8
NAPHTHALENE, DECAHYDRO-1,6-DIMET...*	1750-51-2	NA	NA	1266	1	7.2	7.2	364	0	ND	ND	117	0	ND	ND	785	1	7.2	7.2
NAPHTHALENE, DECAHYDRO-2,6-DIMETHYL-*	1618-22-0	NA	NA	1266	2	6.8	6.9	364	0	ND	ND	117	0	ND	ND	785	2	6.8	6.9
NAPHTHALENE, DECAHYDRO-2-METHYL-*	2958-76-1	NA	NA	1266	4	10	23.0	364	0	ND	ND	117	0	ND	ND	785	4	10.0	23.0
NONANAL*	124-19-6	NA	NA	1266	17	3.5	13.0	364	1	13.0	13.0	117	1	9.1	9.1	785	15	2.4	9.1
NONANE, 2,2,3-TRIMETHYL-*	55499-04-2	NA	NA	1266	1	1.1	1.1	364	0	ND	ND	117	0	ND	ND	785	1	1.1	1.1
NONANE, 2-METHYL-*	871-83-0	NA	NA	1266	1	16	16.0	364	0	ND	ND	117	0	ND	ND	785	1	16.0	16.0
NONANE, 3-METHYL-5-PROPYL-*	31081-18-2	NA	NA	1266	2	4.4	5.6	364	0	ND	ND	117	0	ND	ND	785	2	4.4	5.6
OCTADECANE, 2,6-DIMETHYL-*	75163-97-2	NA	NA	1266	1	7.8	7.8	364	0	ND	ND	117	0	ND	ND	785	1	7.8	7.8
OCTANAL*	124-13-0	NA	NA	1266	1	1.1	1.1	364	0	ND	ND	117	0	ND	ND	785	1	1.1	1.1
OCTANE, 2,2-DIMETHYL-*	15869-87-1	NA	NA	1266	1	2.5	2.5	364	0	ND	ND	117	0	ND	ND	785	1	2.5	2.5
OCTANE, 2,3,3-TRIMETHYL-*	62016-30-2	NA	NA	1266	1	5.7	5.7	364	0	ND	ND	117	0	ND	ND	785	1	5.7	5.7
OCTANE, 2,6-DIMETHYL-*	2051-30-1	NA	NA	1266	3	12.3	25.0	364	0	ND	ND	117	0	ND	ND	785	3	12.3	25.0
OCTANE, 2,7-DIMETHYL-*	1072-16-8	NA	NA	1266	1	4.8	4.8	364	0	ND	ND	117	0	ND	ND	785	1	4.8	4.8
OCTANE, 4-ETHYL-*	15869-86-0	NA	NA	1266	1	14	14.0	364	0	ND	ND	117	0	ND	ND	785	1	14.0	14.0
o-Veratramide*	1521-39-7	NA	NA	1266	1	24	24.0	364	0	ND	ND	117	0	ND	ND	785	1	24.0	24.0
PENTADECANE, 2,6,10,14-TETRAMETHYL-*	1921-70-6	NA	NA	1266	1	1.1	1.1	364	0	ND	ND	117	0	ND	ND	785	1	1.1	1.1
PENTANE*	109-66-0	300	EPA RfC(1)	1266	59	21.2	180.0	364	12	10.5	51.0	117	0	ND	ND	785	47	23.9	180.0
PENTANE, 2,3-DIMETHYL-*	565-59-3	850	MDEQ(1)	1266	2	9.2	16.0	364	0	ND	ND	117	0	ND	ND	785	2	9.2	16.0
PENTANE, 3-ETHYL-2,2-DIMETHYL-*	16747-32-3	NA	NA	1266	1	4.6	4.6	364	0	ND	ND	117	0	ND	ND	785	1	4.6	4.6
PENTANE, 3-METHYL-*	96-14-0	1000	MDEQ(1)	1266	1	1.4	1.4	364	0	ND	ND	117	0	ND	ND	785	1	1.4	1.4
PROPANE*	74-98-6	NA	NA	1266	10	4.4	25.0	364	1	7.0	7.0	117	0	ND	ND	785	9	4.1	25.0
PROPANOIC ACID, 2-OXO-*	127-17-3	NA	NA	1266	1	5.5	5.5	364	0	ND	ND	117	0	ND	ND	785	1	5.5	5.5
PROPYLENE	115-07-1	2000	EPA RfC(1)	1266	18	1	1.0	364	0	ND	ND	117	0	ND	ND	785	18	1.0	1.0
STYRENE	100-42-5	200	ATSDR Chr. MRL(1)	1266	2	1	5.0	364	0	ND	ND	117	0	ND	ND	785	2	1.0	5.0
SULFUROUS ACID, BUTYL HEPTADECYL...*	1000309-18-4	NA	NA	1266	1	6.1	6.1	364	0	ND	ND	117	0	ND	ND	785	1	6.1	6.1
TETRACHLOROETHYLENE	127-18-4	40	ATSDR Chr. MRL(1)	1266	1	1	2.0	364	0	ND	ND	117	0	ND	ND	785	1	1.0	2.0
TETRADECANE*	629-59-4	NA	NA	1266	1	1.3	1.3	364	0	ND	ND	117	0	ND	ND	785	1	1.3	1.3
TETRADECANE, 2,2-DIMETHYL-*	59222-86-5	NA	NA	1266	1	34	34.0	364	0	ND	ND	117	0	ND	ND	785	1	34.0	34.0
TETRAHYDROFURAN	109-99-9	6	MDEQ(1)	1266	4	1	44.0	364	1	5.0	44.0	117	0	ND	ND	785	3	1.0	3.0
TRANS,TRANS-1,8-DIMETHYLSPIRO[4...*	1000111-72-8	NA	NA	1266	1	6.3	6.3	364	0	ND	ND	117	0	ND	ND	785	1	6.3	6.3
trans-1,2-Dichloroethene	156-60-5	15	EPA RfC(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
trans-1,3-Dichloropropene	10061-01-5	0.5	MDEQ(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
TRANS-DECALIN, 2-METHYL-*	1000152-47-3	NA	NA	1266	1	11	11.0	364	0	ND	ND	117	0	ND	ND	785	1	11.0	11.0
Trichloroethene	79-01-6	2	EPA RfC(1)	1266	1	1	1.0	364	0	ND	ND	117	0	ND	ND	785	1	1.0	1.0
Trichlorofluoromethane	75-69-4	130	EPA RfC(1)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
TRICOSYL PENTAFLUOROPROPIONATE*	1000351-81-0	NA	NA	1266	1	1.9	1.9	364	0	ND	ND	117	0	ND	ND	785	1	1.9	1.9
TRIDECANE*	629-50-5	NA	NA	1266	1	10	10.0	364	0	ND	ND	117	0	ND	ND	785	1	10.0	10.0
TRIDECANE, 4,8-DIMETHYL-*	55030-62-1	NA	NA	1266	1	4.8	4.8	364	0	ND	ND	117	0	ND	ND	785	1	4.8	4.8
TRIDECANE, 6-METHYL-*	13287-21-3	NA	NA	1266	1	45	45.0	364	0	ND	ND	117	0	ND	ND	785	1	45.0	45.0
TRIDECYL HEPTAFLUOROBUTYRATE*	1000351-82-8	NA	NA	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
TRIETHYLAMINE*	121-44-8	2	EPA RfC(1)	1266	2	12.9	18.0	364	0	ND	ND	117	0	ND	ND	785	2	12.9	18.0
TRISULFIDE, DIMETHYL*	3658-80-8	NA	NA	1266	1	5.1	5.1	364	0	ND	ND	117	0	ND	ND	785	1	5.1	5.1

Non-Target Analytes (including TICs)	CAS NO	Human Health Air Screening Level (ppbv)	Source	All Sample Durations†				8-hour Target Period				12-hour Target Period				24-hour Target Period			
				N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)	N	Ndet	Average Level**	Max (ppbv)
UNDECANE, 2,2-DIMETHYL-*	17312-64-0	NA	NA	1266	1	2.7	2.7	364	0	ND	ND	117	0	ND	ND	785	1	2.7	2.7
UNDECANE, 2,6-DIMETHYL-*	17301-23-4	NA	NA	1266	6	13.4	52.0	364	0	ND	ND	117	0	ND	ND	785	6	13.4	52.0
UNDECANE, 3,6-DIMETHYL-*	17301-28-9	NA	NA	1266	2	8.7	16.0	364	0	ND	ND	117	0	ND	ND	785	2	8.7	16.0
UNDECANE, 3,9-DIMETHYL-*	17301-31-4	NA	NA	1266	1	4.9	4.9	364	0	ND	ND	117	0	ND	ND	785	1	4.9	4.9
UNDECANE, 5-METHYL-*	1632-70-8	NA	NA	1266	1	1.2	1.2	364	0	ND	ND	117	0	ND	ND	785	1	1.2	1.2
UNKNOWN*	78-99-9	NA	NA	1266	1	1.6	1.6	364	0	ND	ND	117	0	ND	ND	785	1	1.6	1.6
UNKNOWN*	288-47-1	NA	NA	1266	1	1.2	1.2	364	0	ND	ND	117	0	ND	ND	785	1	1.2	1.2
UNKNOWN*	62-55-5	NA	NA	1266	2	1.4	1.4	364	0	ND	ND	117	0	ND	ND	785	2	1.4	1.4
Vinyl acetate	108-05-4	10	ATSDR Int. MRL(!)	1266	3	1	2.0	364	0	ND	ND	117	0	ND	ND	785	3	1.0	2.0
Vinyl bromide	593-60-2	1	EPA RfC(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND
Vinyl chloride	75-01-4	30	ATSDR Int. MRL(!)	1266	0	ND	0.0	364	0	ND	ND	117	0	ND	ND	785	0	ND	ND

PPBV - Parts Per Billion Volume

* - TIC (tentatively identified compound)

** - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects. Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects. Average Levels for tentatively identified compounds are the mean of detects.

†Samples reported do not include instantaneous 'grab' samples. Samples with 8-24 hour target sample periods are included.

NA - Not Available/ND - Not Detected

N - Number of samples analyzed/NDET - Number of detections

(!) - Unless otherwise noted, the screening level was obtained from Enbridge Oil Spill Human Health Air Screening Levels, August 31, 2011.

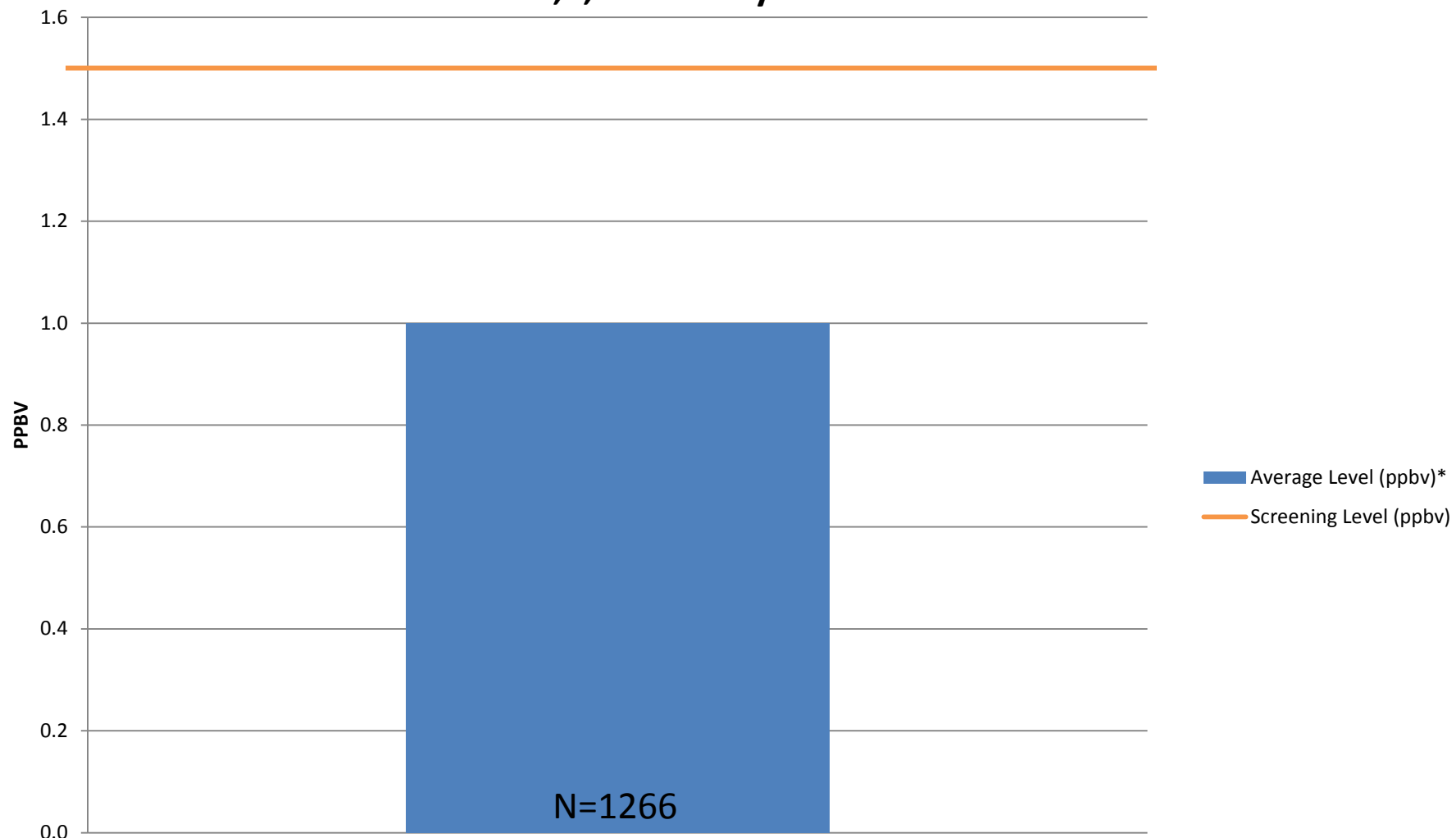
ATSDR Chr. MRL - Agency for Toxic Substances and Disease Registry - Chronic Minimal Risk Level for Inhalation

EPA RfC - If no Chronic MRL is available, the screening level is the EPA Chronic Reference Concentration (RfC). For 2 chemicals, vinyl acetate and vinyl chloride, the ATSDR Intermediate (Int.) MRL was selected. These were developed more recently than the EPA RfC and were lower than the EPA RfC.

EPA RSL - If none of the above are available, the EPA Regional Screening Level (RSL) is used.

MDEQ - If none of the above are available, the Michigan DEQ Air Quality Division, Air Toxics Screening Level is the screening level.

Comparison of Average Air Levels with Human Health Screening Levels 1,2,4-Trimethylbenzene



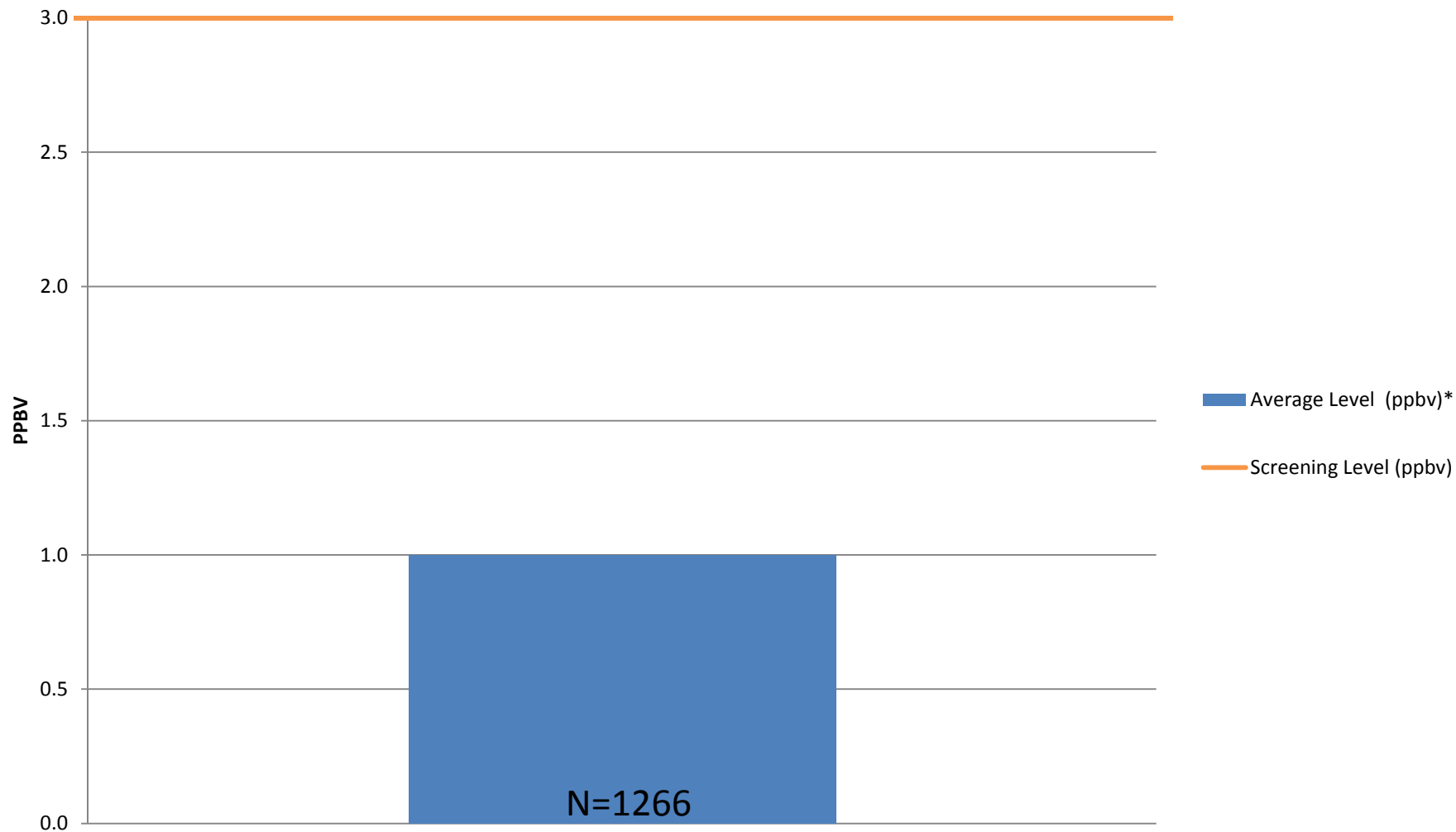
PPBV - Parts Per Billion Volume

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Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels Benzene



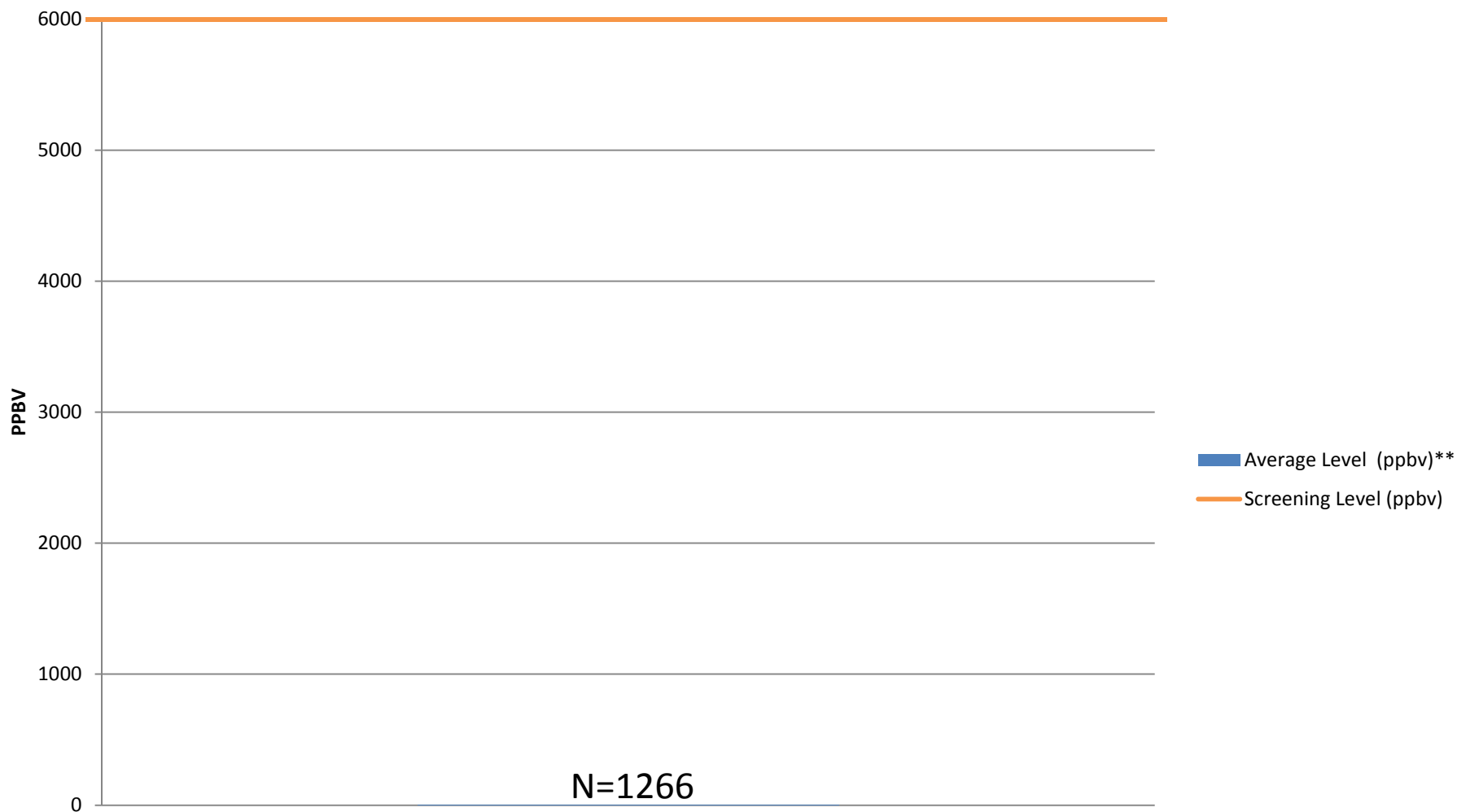
PPBV - Parts Per Billion Volume

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Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels 2-Methylbutane*



PPBV - Parts Per Billion Volume

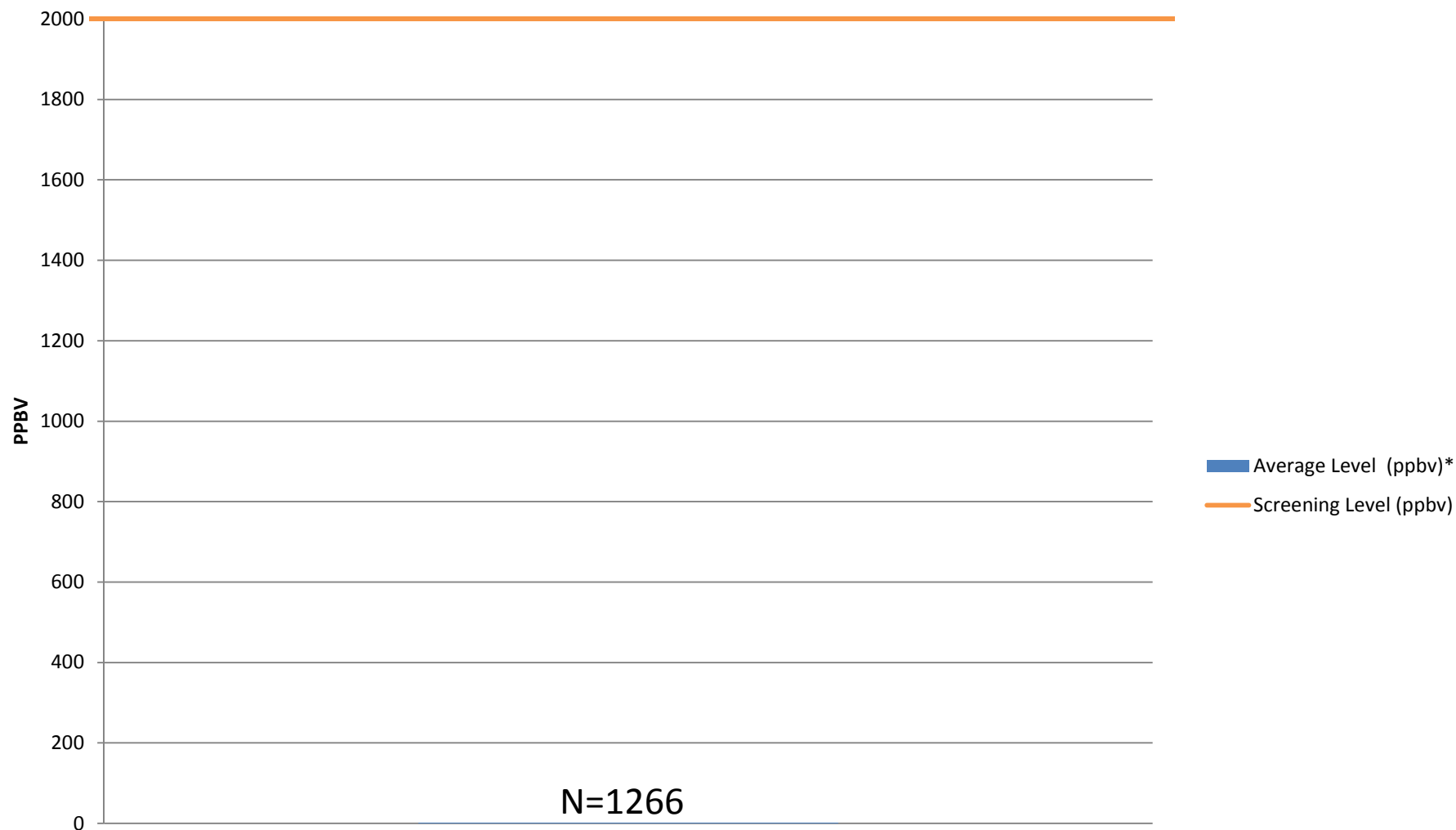
* - TIC (tentatively identified compound)

** - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels Cyclohexane



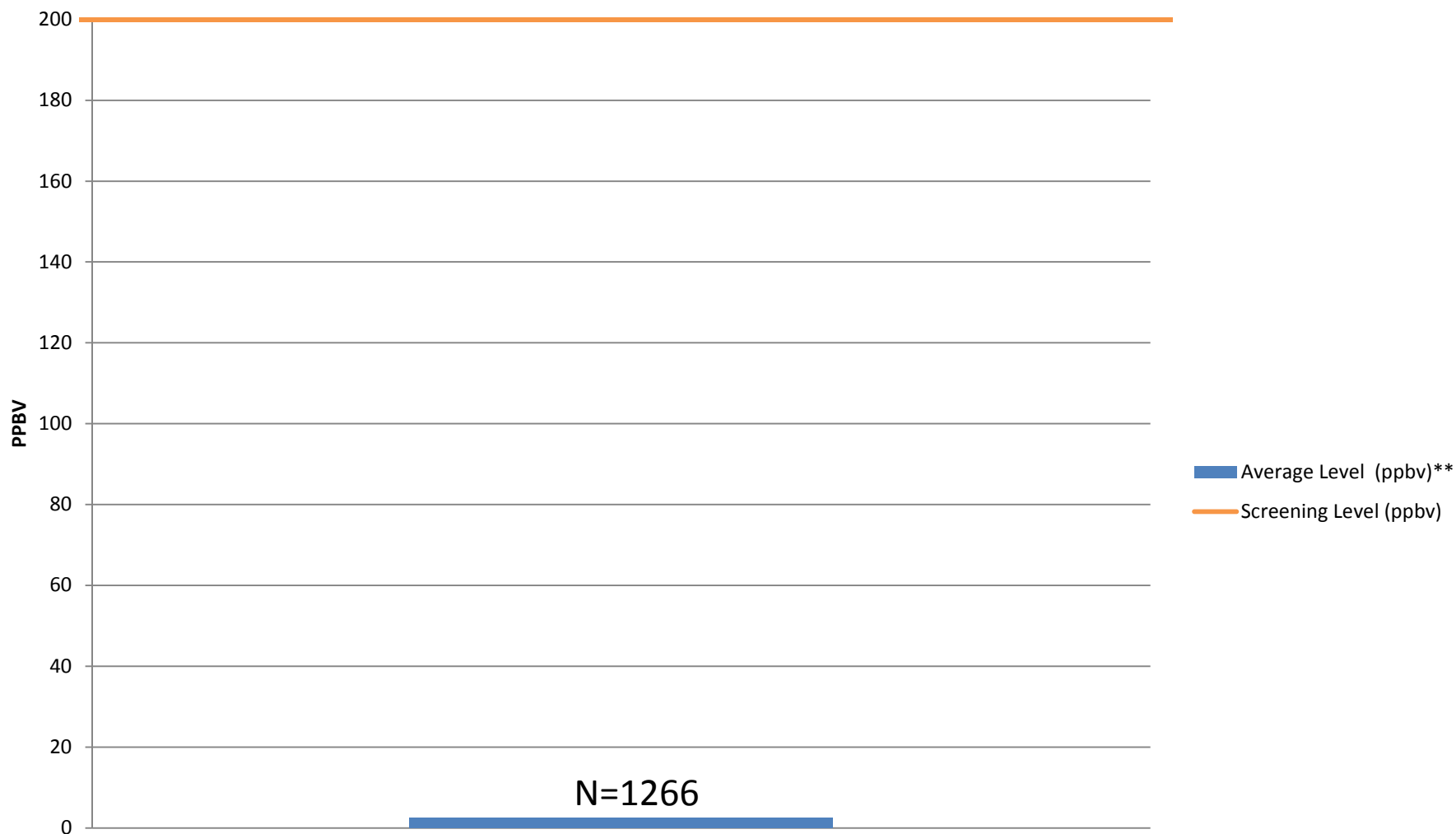
PPBV - Parts Per Billion Volume

* - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels Methylcyclopentane*



PPBV - Parts Per Billion Volume

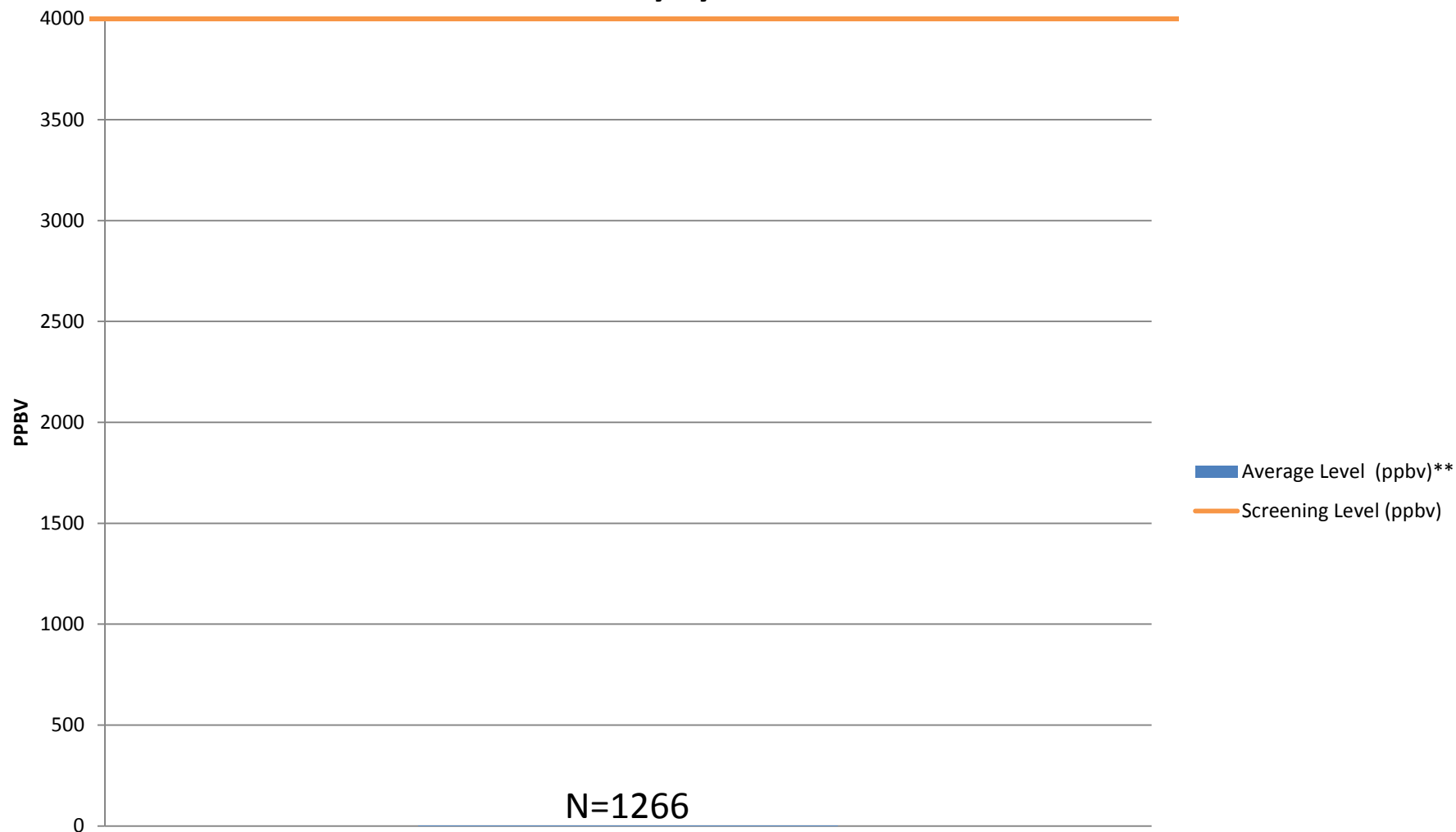
* - TIC (tentatively identified compound)

** - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels Methylcyclohexane*



PPBV - Parts Per Billion Volume

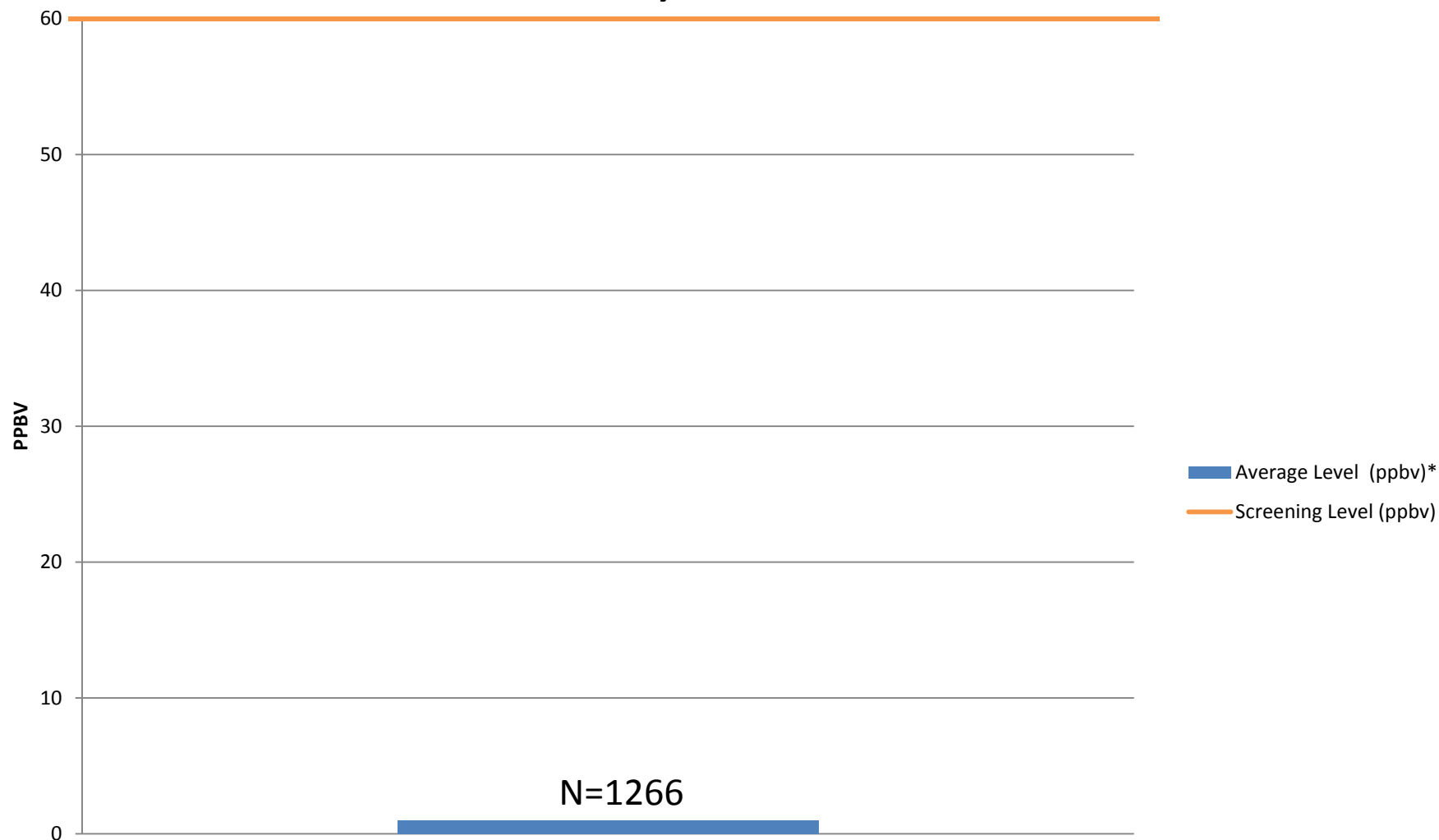
* - TIC (tentatively identified compound)

** - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels Ethylbenzene



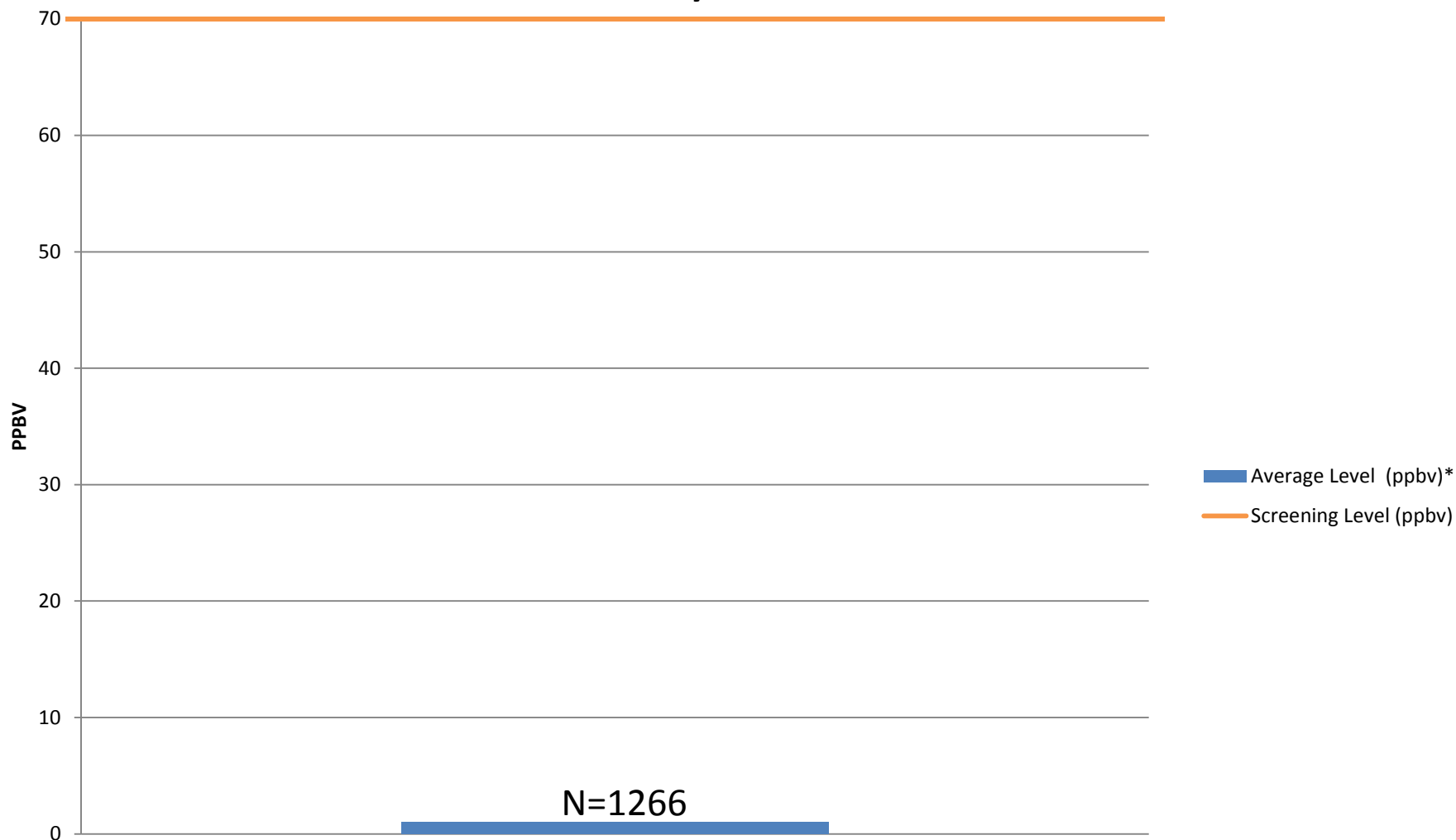
PPBV - Parts Per Billion Volume

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Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels 4-Ethyltoluene



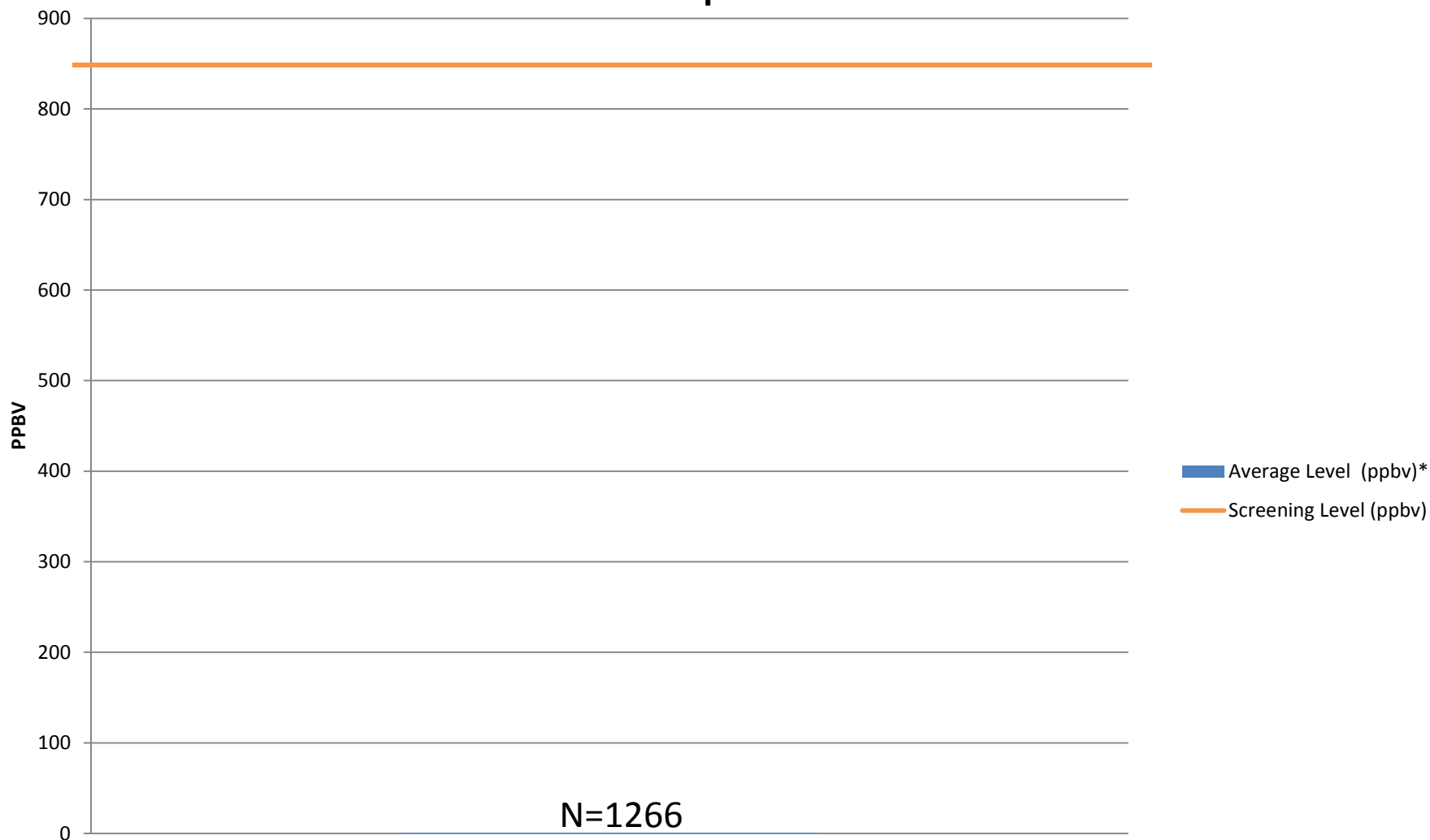
PPBV - Parts Per Billion Volume

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Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels n-Heptane



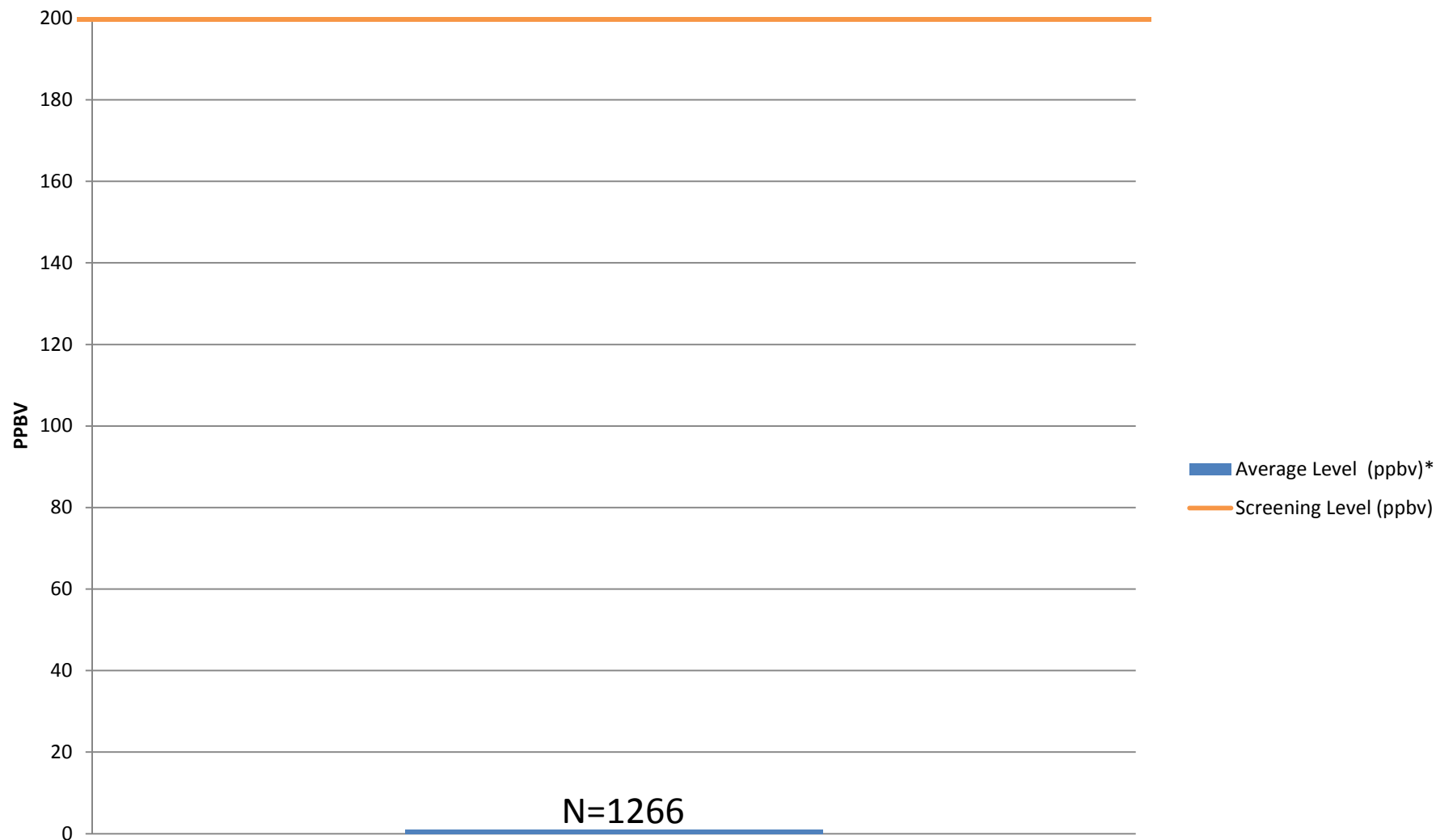
PPBV - Parts Per Billion Volume

* - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels n-Hexane



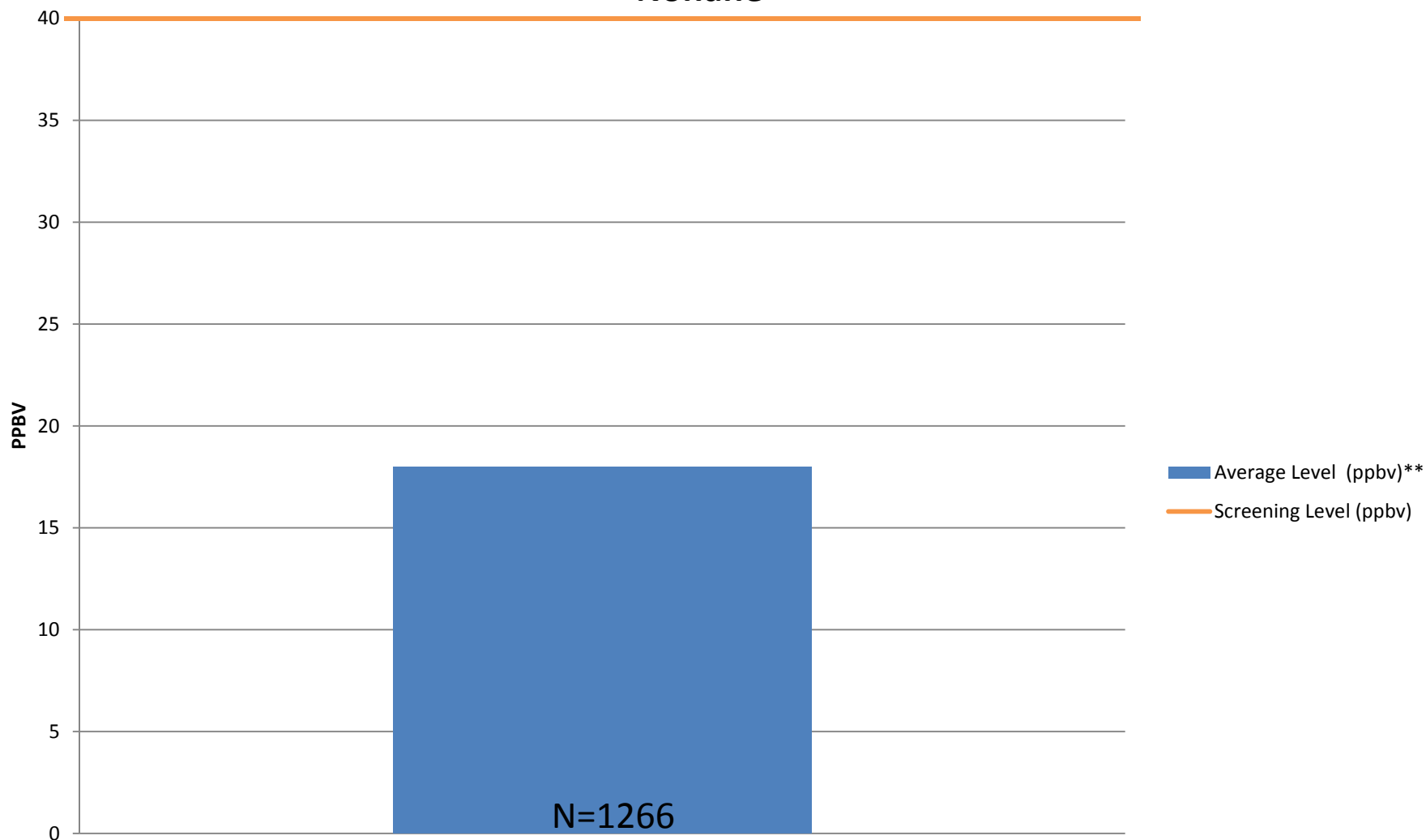
PPBV - Parts Per Billion Volume

* - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels Nonane*



PPBV - Parts Per Billion Volume

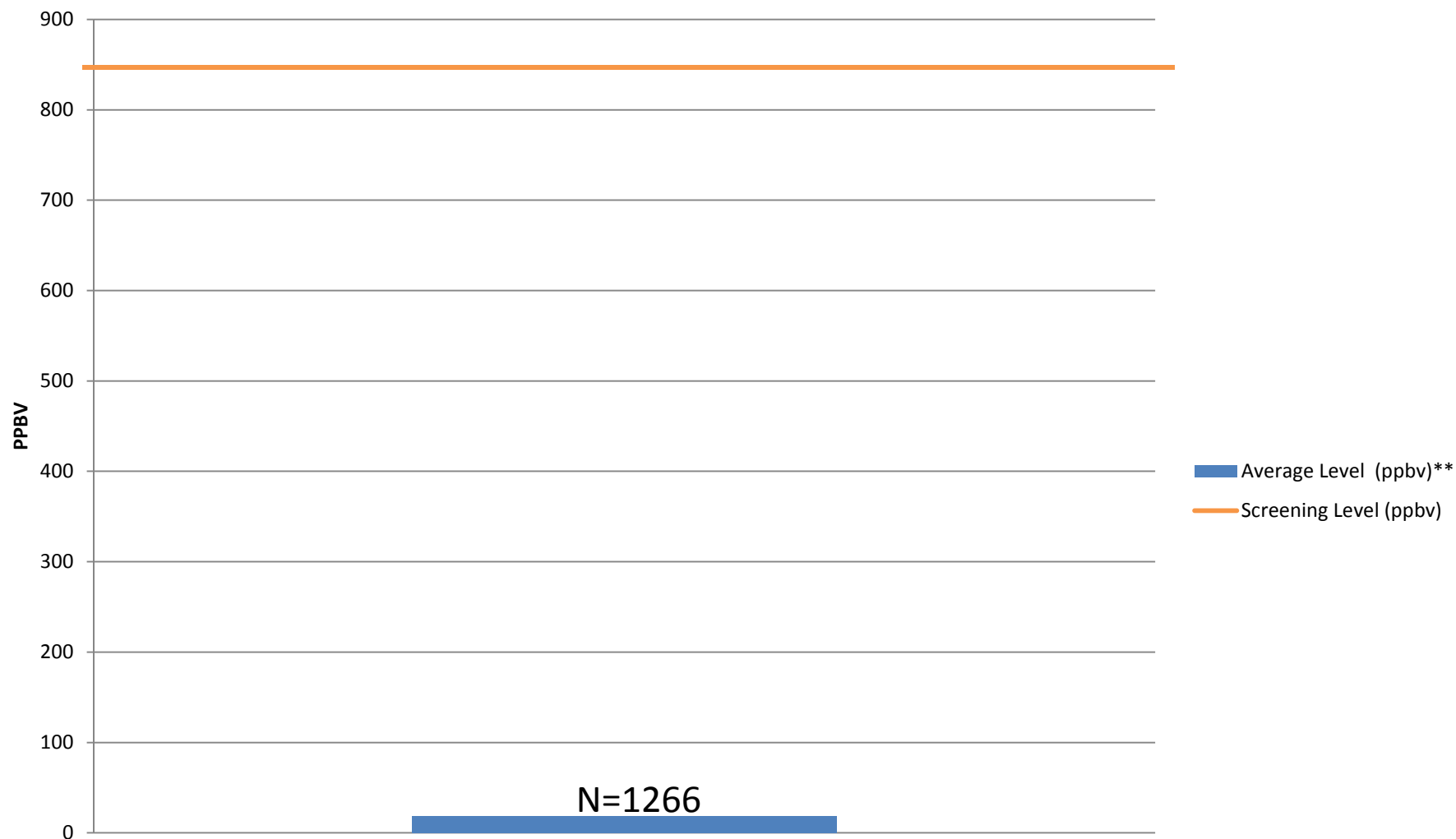
* - TIC (tentatively identified compound)

** - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels 2-Methylhexane*



PPBV - Parts Per Billion Volume

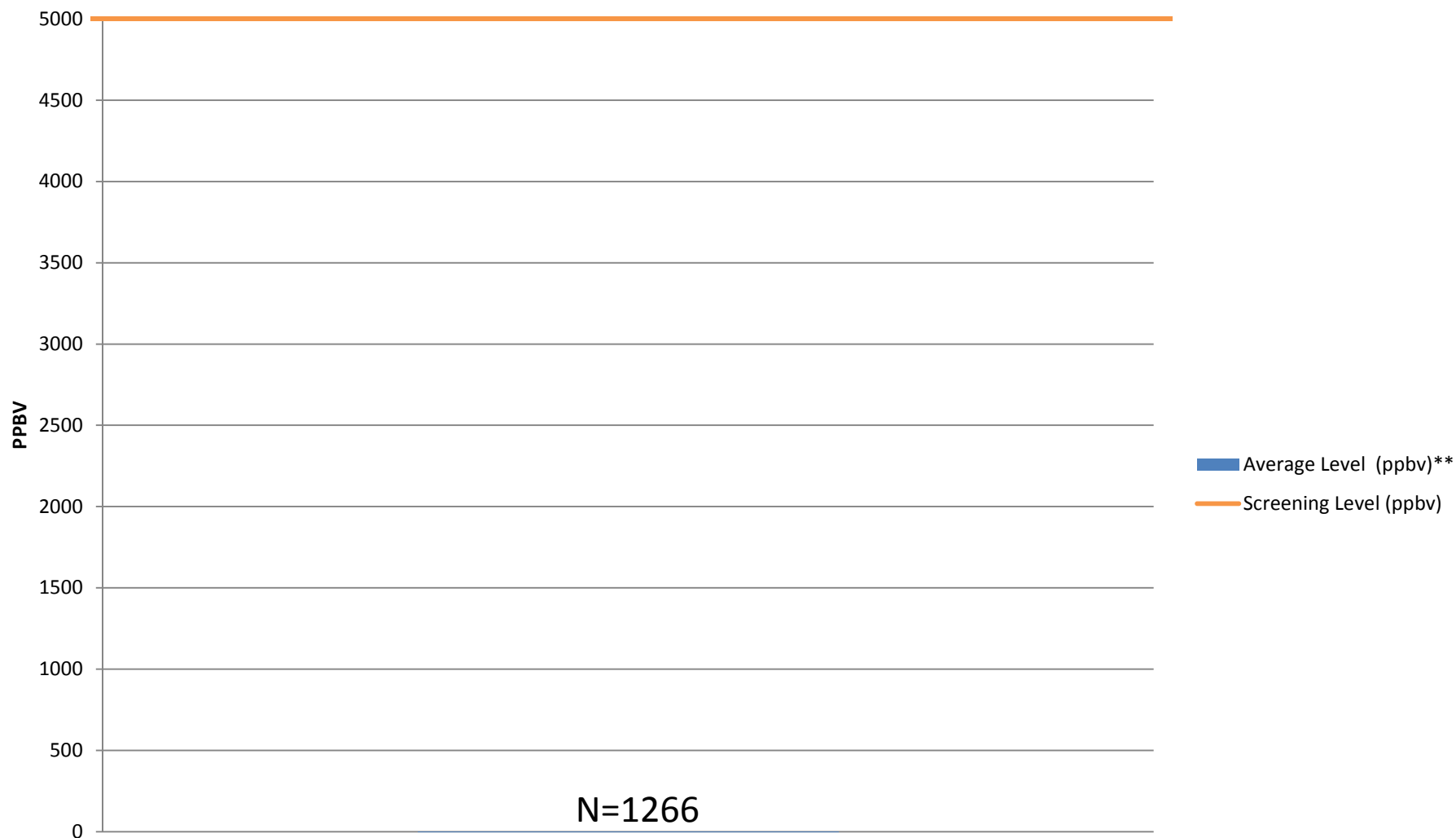
* - TIC (tentatively identified compound)

** - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels 2-Methylpentane*



PPBV - Parts Per Billion Volume

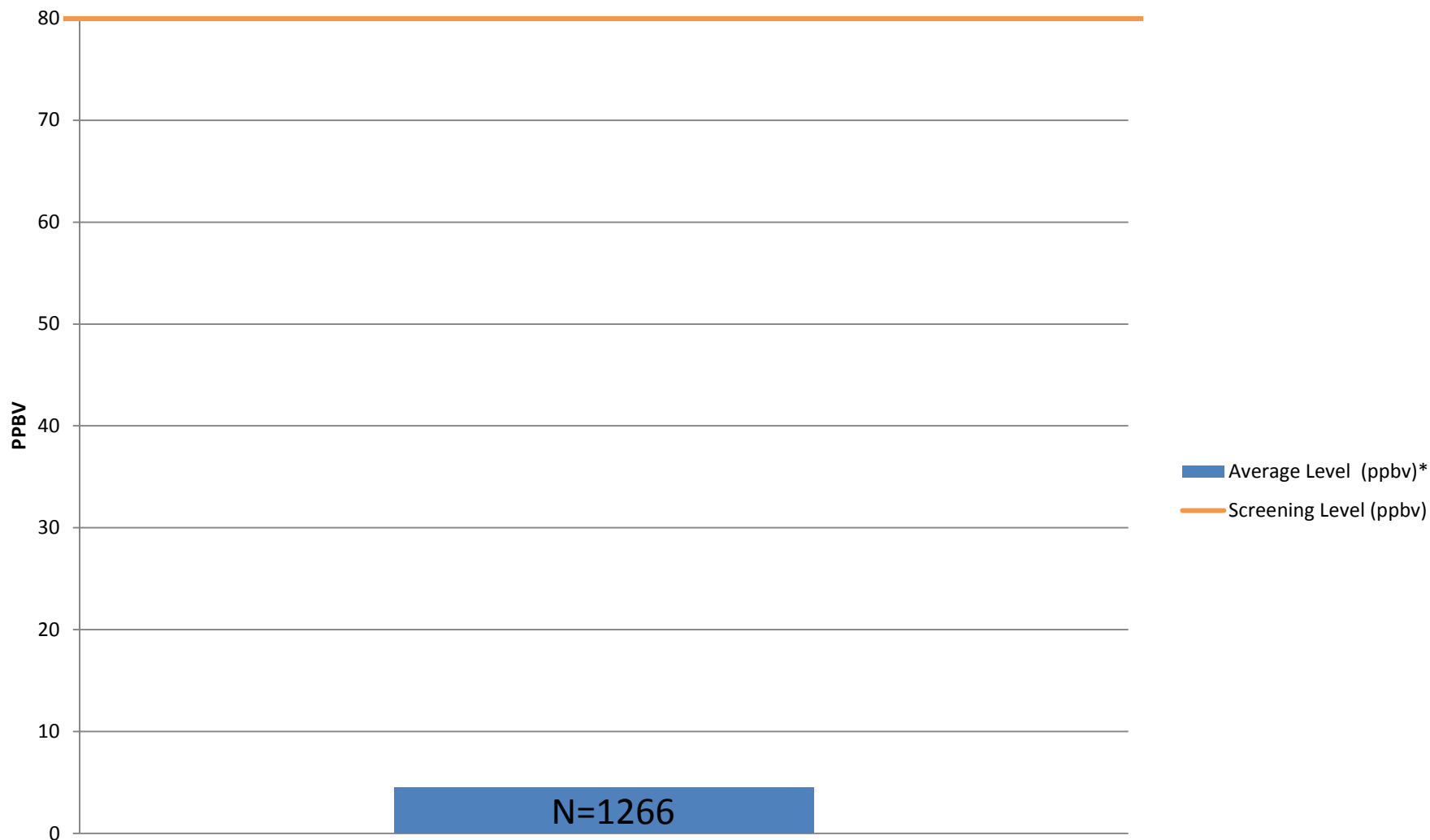
* - TIC (tentatively identified compound)

** - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

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Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels Toluene



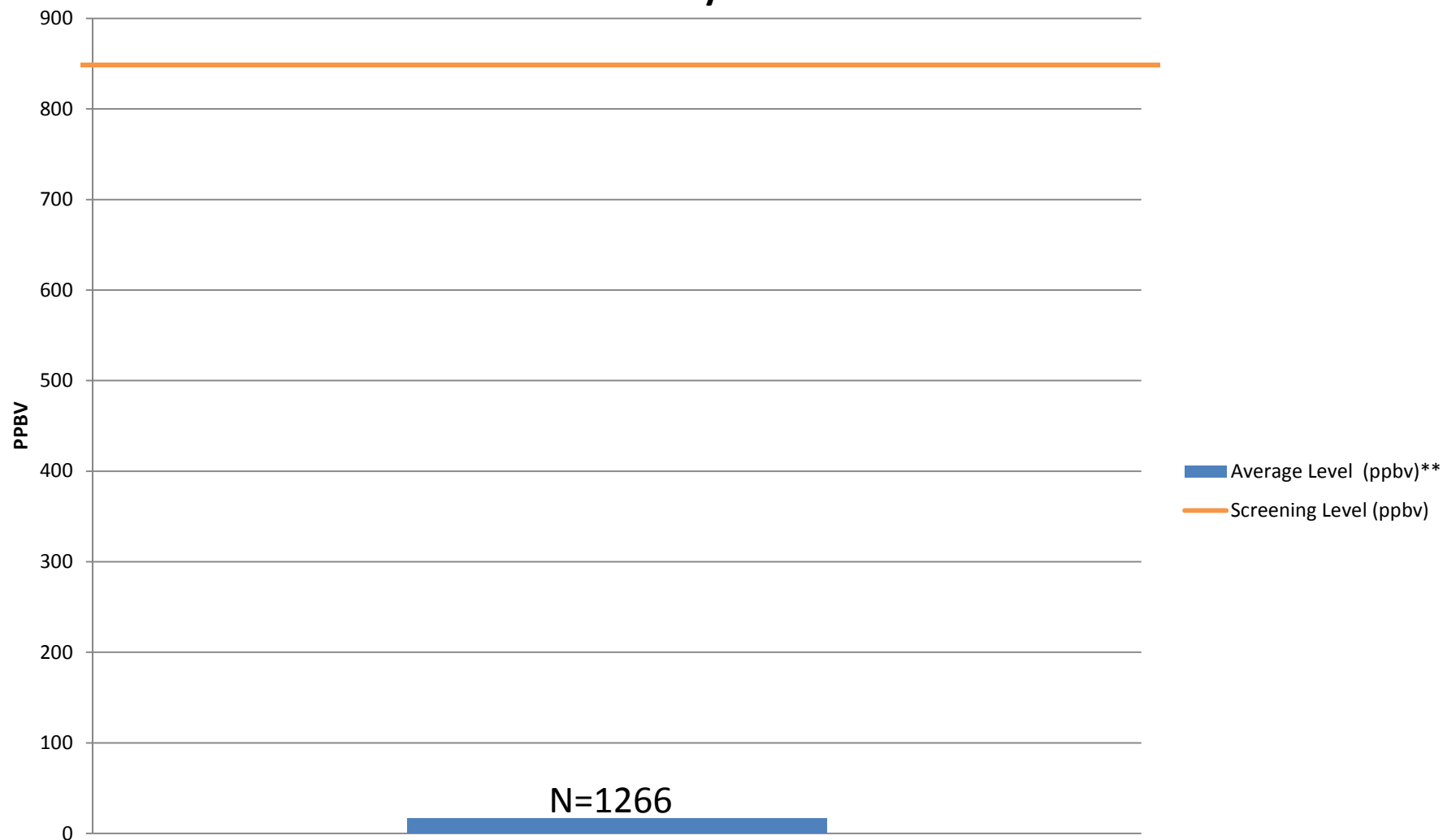
PPBV - Parts Per Billion Volume

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Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels 3-Methylhexane*



PPBV - Parts Per Billion Volume

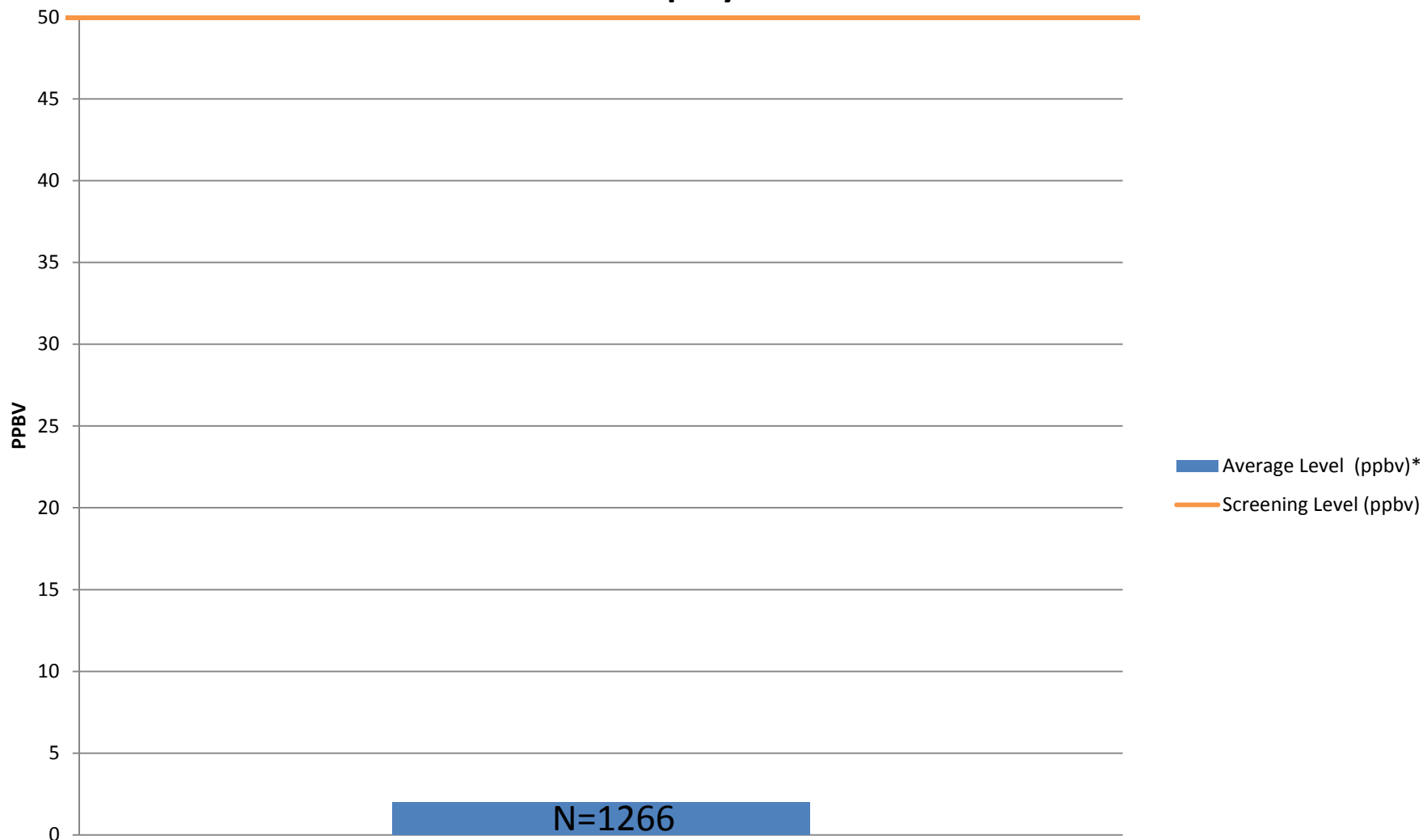
* - TIC (tentatively identified compound)

** - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels m&p-Xylene



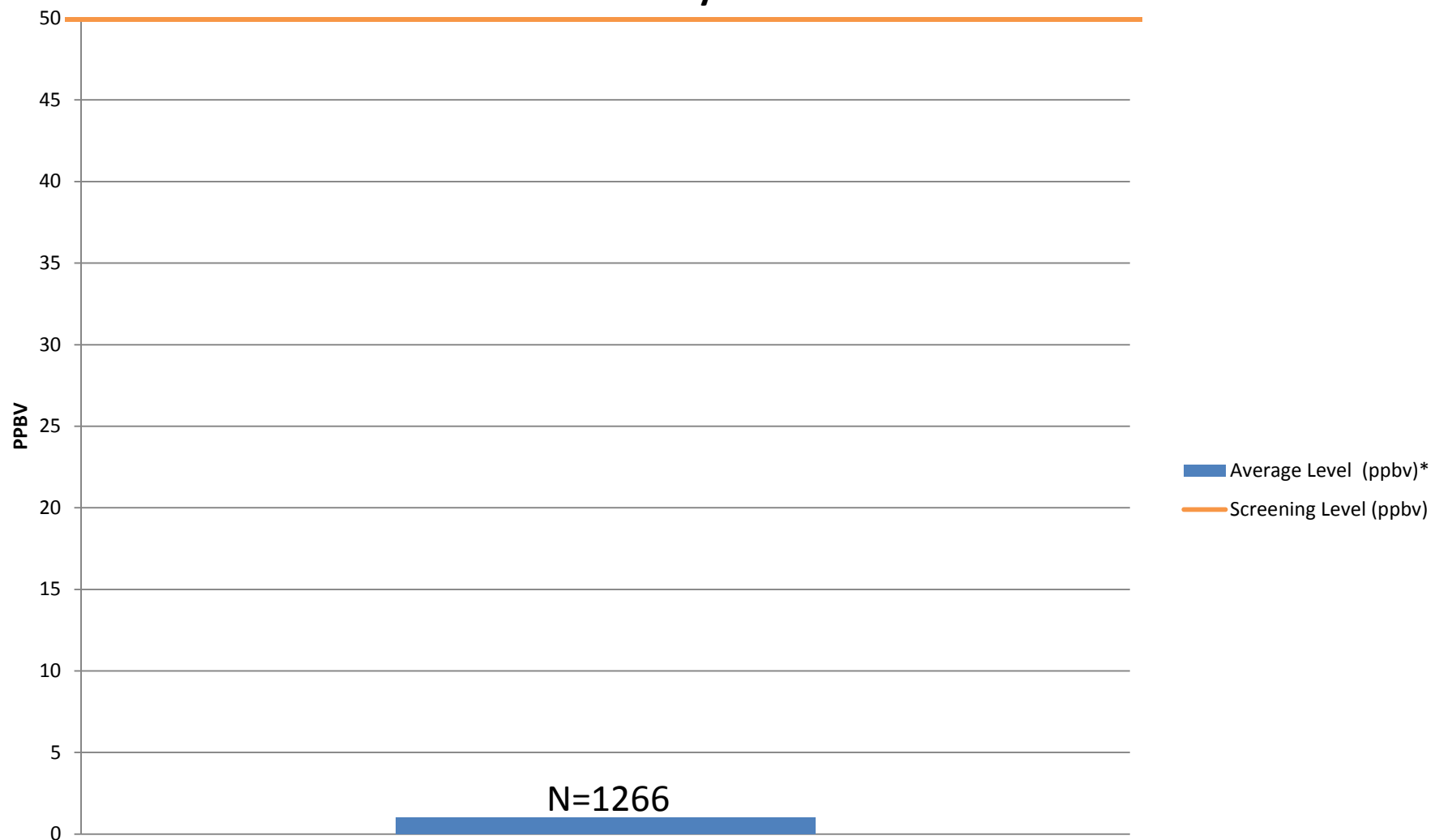
PPBV - Parts Per Billion Volume

* - Average Levels for compounds that were detected in <5% of samples are the median value using the detection limit for non-detects.

Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels o-Xylene



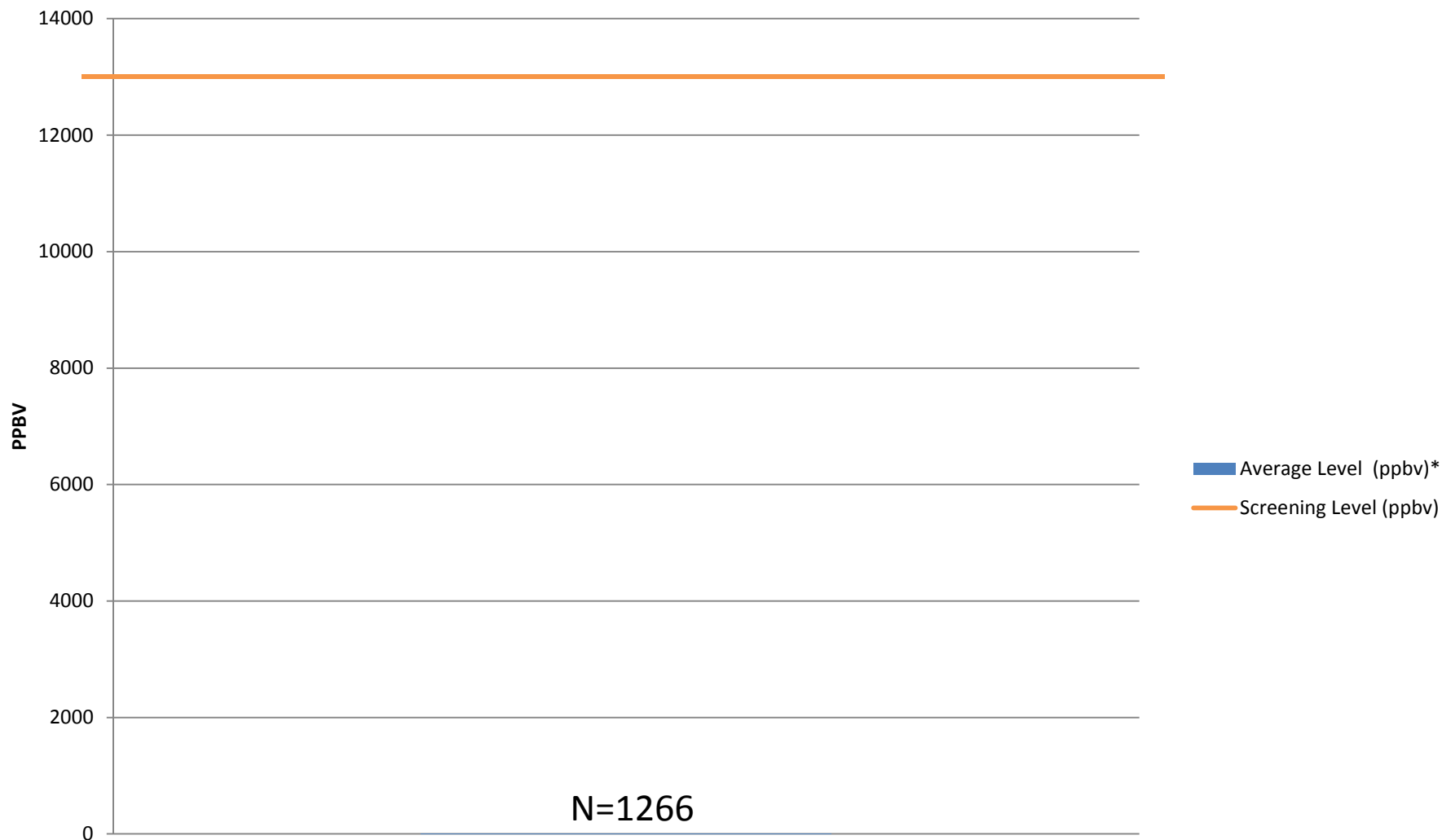
PPBV - Parts Per Billion Volume

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Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels Acetone



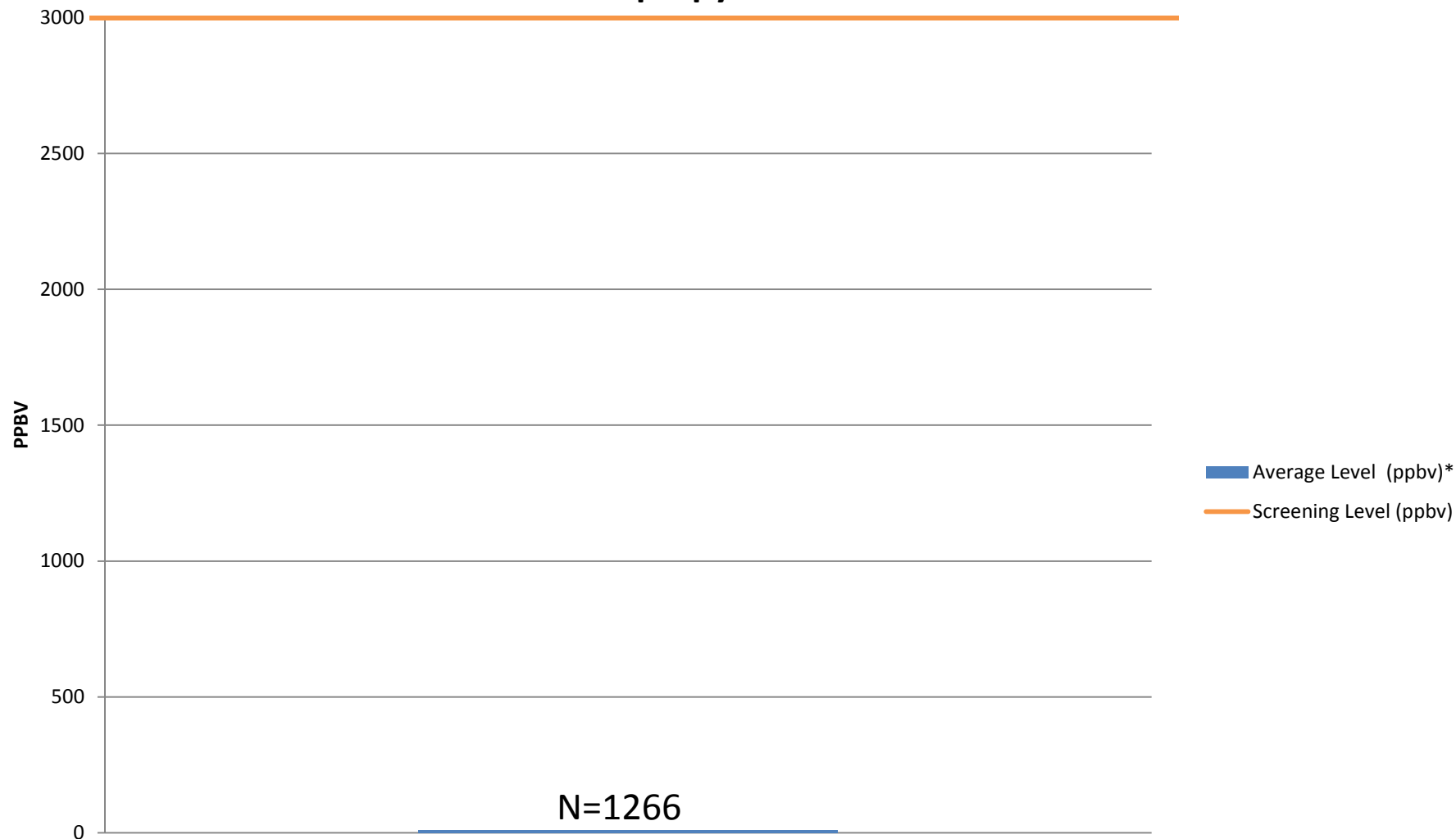
PPBV - Parts Per Billion Volume

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Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.

Comparison of Average Air Levels with Human Health Screening Levels Isopropyl Alcohol



PPBV - Parts Per Billion Volume

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Average Levels for compounds that were detected in >5% of samples are the mean using the detection limit for non-detects.

Average Levels for tentatively identified compounds are the mean of detects.