FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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August 12, 2021

Jeremy Porter, Project Manager
Aspect Consulting, LLC
710 2nd Ave S, Suite 550
Seattle, WA 98104

Dear Mr Porter:

Included are the results from the testing of material submitted on August 9, 2021 from the Spic N Span 652 S Dearborn St 060172, F&BI 108130 project. There are 13 pages included in this report.

We appreciate this opportunity to be of service to you and hope you will call if you have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl
Project Manager

Enclosures
c: Aspect Data
ASP0812R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 9, 2020 by Friedman & Bruya, Inc. from the Aspect Consulting, LLC Spic N Span 652 S Dearborn St 060172, F&BI 108130 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID	Aspect Consulting, LLC
108130 -01	VGAC-1-INF-080921
108130 -02	VGAC-1-EFF-080921

Non-petroleum compounds identified in the air phase hydrocarbon (APH) ranges were subtracted per the MA-APH method.

Individually certified canisters were provided for TO-15 sampling.

The APH EC5-8 aliphatics, APH EC9-12 aliphatics, and tetrachloroethene concentration in sample VGAC-1-INF-080921 exceeded the calibration range of the instrument. The data were flagged accordingly.

All other quality control requirements were acceptable.

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	VGAC-1-INF-080921	Client:	Aspect Consulting, LLC
Date Received:	08/09/21	Project:	060172, F&BI 108130
Date Collected:	08/09/21	Lab ID:	108130-01 1/6.2
Date Analyzed:	08/10/21	Data File:	081017.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	113	70	130

Compounds:	Concentration ug/m3
APH EC5-8 aliphatics	4,900 ve
APH EC9-12 aliphatics	5,500 ve
APH EC9-10 aromatics	350

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	VGAC-1-EFF-080921	Client:	Aspect Consulting, LLC
Date Received:	08/09/21	Project:	060172, F&BI 108130
Date Collected:	08/09/21	Lab ID:	108130-02 1/5.3
Date Analyzed:	08/10/21	Data File:	081019.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	96	70	130

Compounds:	Concentration ug/m3
APH EC5-8 aliphatics	740
APH EC9-12 aliphatics	1,100
APH EC9-10 aromatics	220

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	060172, F&BI 108130
Date Collected:	Not Applicable	Lab ID:	01-1718 MB
Date Analyzed:	08/10/21	Data File:	081010.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	86	70	130

Compounds:	Concentration ug/m3
APH EC5-8 aliphatics	<75
APH EC9-12 aliphatics	<25
APH EC9-10 aromatics	<25

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	VGAC-1-INF-080921	Client:	Aspect Consulting, LLC
Date Received:	08/09/21	Project:	060172, F&BI 108130
Date Collected:	08/09/21	Lab ID:	108130-01 1/6.2
Date Analyzed:	08/10/21	Data File:	081017.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	124	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	12	7.2	1,2-Dichloropropane	<1.4	<0.31
Dichlorodifluoromethane	4.2	0.86	1,4-Dioxane	<2.2	<0.62
Chloromethane	<23	<11	2,2,4-Trimethylpentane	<29	<6.2
F-114	<4.3	<0.62	Methyl methacrylate	<25	<6.2
Vinyl chloride	3.1	1.2	Heptane	<25	<6.2
1,3-Butadiene	0.91	0.41	Bromodichloromethane	<0.42	<0.062
Butane	<29	<12	Trichloroethene	190	35
Bromomethane	<14	<3.7	cis-1,3-Dichloropropene	<2.8	<0.62
Chloroethane	<16	<6.2	4-Methyl-2-pentanone	<25	<6.2
Vinyl bromide	<2.7	<0.62	trans-1,3-Dichloropropene	<2.8	<0.62
Ethanol	<47	<25	Toluene	<120	<31
Acrolein	<0.71	<0.31	1,1,2-Trichloroethane	<0.34	<0.062
Pentane	<18	<6.2	2-Hexanone	<25	<6.2
Trichlorofluoromethane	<14	<2.5	Tetrachloroethene	7,700 ve	1,100 ve
Acetone	<29	<12	Dibromochloromethane	<0.53	<0.062
2-Propanol	<53	<22	1,2-Dibromoethane (EDB)	<0.48	<0.062
1,1-Dichloroethene	<2.5	<0.62	Chlorobenzene	<2.9	<0.62
trans-1,2-Dichloroethene	3.0	0.75	Ethylbenzene	6.8	1.6
Methylene chloride	<220	<62	1,1,2,2-Tetrachloroethane	<0.85	<0.12
t-Butyl alcohol (TBA)	<75	<25	Nonane	76	14
3-Chloropropene	<9.7	<3.1	Isopropylbenzene	54	11
CFC-113	<4.8	<0.62	2-Chlorotoluene	<32	<6.2
Carbon disulfide	81	26	Propylbenzene	<15	<3.1
Methyl t-butyl ether (MTBE)	<11	<3.1	4-Ethyltoluene	<15	<3.1
Vinyl acetate	<44	<12	m,p-Xylene	25	5.8
1,1-Dichloroethane	<2.5	<0.62	o-Xylene	11	2.6
cis-1,2-Dichloroethene	97	24	Styrene	<5.3	<1.2
Hexane	<22	<6.2	Bromoform	<13	<1.2
Chloroform	6.1	1.3	Benzyl chloride	2.6	0.51
Ethyl acetate	<45	<12	1,3,5-Trimethylbenzene	20	4.1
Tetrahydrofuran	36	12	1,2,4-Trimethylbenzene	85	17
2-Butanone (MEK)	<18	<6.2	1,3-Dichlorobenzene	<3.7	<0.62
1,2-Dichloroethane (EDC)	1.5	0.36	1,4-Dichlorobenzene	<1.4	<0.24
1,1,1-Trichloroethane	<3.4	<0.62	1,2-Dichlorobenzene	<3.7	<0.62
Carbon tetrachloride	<2	<0.31	1,2,4-Trichlorobenzene	<4.6	<0.62
Benzene	26	8.1	Naphthalene	2.8	0.54
Cyclohexane	<43	<12	Hexachlorobutadiene	<1.3	<0.12

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	VGAC-1-EFF-080921	Client:	Aspect Consulting, LLC
Date Received:	08/09/21	Project:	060172, F&BI 108130
Date Collected:	08/09/21	Lab ID:	108130-02 1/5.3
Date Analyzed:	08/10/21	Data File:	081019.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	106	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	9.3 jl	5.4 jl	1,2-Dichloropropane	<1.2	<0.26
Dichlorodifluoromethane	2.8	0.57	1,4-Dioxane	<1.9	<0.53
Chloromethane	<20	<9.5	2,2,4-Trimethylpentane	<25	<5.3
F-114	<3.7	<0.53	Methyl methacrylate	<22	<5.3
Vinyl chloride	4.9	1.9	Heptane	<22	<5.3
1,3-Butadiene	<0.23	<0.11	Bromodichloromethane	<0.36	<0.053
Butane	<25	<11	Trichloroethene	<0.57	<0.11
Bromomethane	<12	<3.2	cis-1,3-Dichloropropene	<2.4	<0.53
Chloroethane	<14	<5.3	4-Methyl-2-pentanone	<22	<5.3
Vinyl bromide	<2.3	<0.53	trans-1,3-Dichloropropene	<2.4	<0.53
Ethanol	<40	<21	Toluene	<100	<26
Acrolein	<0.61	<0.26	1,1,2-Trichloroethane	<0.29	<0.053
Pentane	<16	<5.3	2-Hexanone	<22	<5.3
Trichlorofluoromethane	<12	<2.1	Tetrachloroethene	<36	<5.3
Acetone	<25	<11	Dibromochloromethane	<0.45	<0.053
2-Propanol	<46	<19	1,2-Dibromoethane (EDB)	<0.41	<0.053
1,1-Dichloroethene	<2.1	<0.53	Chlorobenzene	<2.4	<0.53
trans-1,2-Dichloroethene	<2.1	<0.53	Ethylbenzene	3.3	0.75
Methylene chloride	<180	<53	1,1,2,2-Tetrachloroethane	<0.73	<0.11
t-Butyl alcohol (TBA)	<64	<21	Nonane	47	8.9
3-Chloropropene	<8.3	<2.6	Isopropylbenzene	27	5.4
CFC-113	<4.1	<0.53	2-Chlorotoluene	<27	<5.3
Carbon disulfide	<33	<11	Propylbenzene	<13	<2.6
Methyl t-butyl ether (MTBE)	<9.6	<2.6	4-Ethyltoluene	<13	<2.6
Vinyl acetate	<37	<11	m,p-Xylene	13	2.9
1,1-Dichloroethane	<2.1	<0.53	o-Xylene	6.8	1.6
cis-1,2-Dichloroethene	<2.1	<0.53	Styrene	<4.5	<1.1
Hexane	<19	<5.3	Bromoform	<11	<1.1
Chloroform	<0.26	<0.053	Benzyl chloride	<0.27	<0.053
Ethyl acetate	<38	<11	1,3,5-Trimethylbenzene	15	3.1
Tetrahydrofuran	9.9	3.4	1,2,4-Trimethylbenzene	61	12
2-Butanone (MEK)	<16	<5.3	1,3-Dichlorobenzene	<3.2	<0.53
1,2-Dichloroethane (EDC)	<0.21	<0.053	1,4-Dichlorobenzene	<1.2	<0.2
1,1,1-Trichloroethane	<2.9	<0.53	1,2-Dichlorobenzene	<3.2	<0.53
Carbon tetrachloride	<1.7	<0.26	1,2,4-Trichlorobenzene	<3.9	<0.53
Benzene	2.2	0.69	Naphthalene	1.4	0.28
Cyclohexane	<36	<11	Hexachlorobutadiene	<1.1	<0.11

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	060172, F&BI 108130
Date Collected:	Not Applicable	Lab ID:	01-1718 MB
Date Analyzed:	08/10/21	Data File:	081010.D
Matrix:	Air	Instrument:	GCMS7
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	95	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2 jl	<0.7 jl	1,2-Dichloropropane	<0.23	<0.05
Dichlorodifluoromethane	<0.49	<0.1	1,4-Dioxane	<0.36	<0.1
Chloromethane	<3.7	<1.8	2,2,4-Trimethylpentane	<4.7	<1
F-114	<0.7	<0.1	Methyl methacrylate	<4.1	<1
Vinyl chloride	<0.26	<0.1	Heptane	<4.1	<1
1,3-Butadiene	<0.044	<0.02	Bromodichloromethane	<0.067	<0.01
Butane	<4.8	<2	Trichloroethene	<0.11	<0.02
Bromomethane	<2.3	<0.6	cis-1,3-Dichloropropene	<0.45	<0.1
Chloroethane	<2.6	<1	4-Methyl-2-pentanone	<4.1	<1
Vinyl bromide	<0.44	<0.1	trans-1,3-Dichloropropene	<0.45	<0.1
Ethanol	<7.5	<4	Toluene	<19	<5
Acrolein	<0.11	<0.05	1,1,2-Trichloroethane	<0.055	<0.01
Pentane	<3	<1	2-Hexanone	<4.1	<1
Trichlorofluoromethane	<2.2	<0.4	Tetrachloroethene	<6.8	<1
Acetone	<4.8	<2	Dibromochloromethane	<0.085	<0.01
2-Propanol	<8.6	<3.5	1,2-Dibromoethane (EDB)	<0.077	<0.01
1,1-Dichloroethene	<0.4	<0.1	Chlorobenzene	<0.46	<0.1
trans-1,2-Dichloroethene	<0.4	<0.1	Ethylbenzene	<0.43	<0.1
Methylene chloride	<35	<10	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2	<1
3-Chloropropene	<1.6	<0.5	Isopropylbenzene	<2.5	<0.5
CFC-113	<0.77	<0.1	2-Chlorotoluene	<5.2	<1
Carbon disulfide	<6.2	<2	Propylbenzene	<2.5	<0.5
Methyl t-butyl ether (MTBE)	<1.8	<0.5	4-Ethyltoluene	<2.5	<0.5
Vinyl acetate	<7	<2	m,p-Xylene	<0.87	<0.2
1,1-Dichloroethane	<0.4	<0.1	o-Xylene	<0.43	<0.1
cis-1,2-Dichloroethene	<0.4	<0.1	Styrene	<0.85	<0.2
Hexane	<3.5	<1	Bromoform	<2.1	<0.2
Chloroform	<0.049	<0.01	Benzyl chloride	<0.052	<0.01
Ethyl acetate	<7.2	<2	1,3,5-Trimethylbenzene	<2.5	<0.5
Tetrahydrofuran	<0.59	<0.2	1,2,4-Trimethylbenzene	<2.5	<0.5
2-Butanone (MEK)	<2.9	<1	1,3-Dichlorobenzene	<0.6	<0.1
1,2-Dichloroethane (EDC)	<0.04	<0.01	1,4-Dichlorobenzene	<0.23	<0.038
1,1,1-Trichloroethane	<0.55	<0.1	1,2-Dichlorobenzene	<0.6	<0.1
Carbon tetrachloride	<0.31	<0.05	1,2,4-Trichlorobenzene	<0.74	<0.1
Benzene	<0.32	<0.1	Naphthalene	<0.26	<0.05
Cyclohexane	<6.9	<2	Hexachlorobutadiene	<0.21	<0.02

Date of Report: 08/12/21
Date Received: 08/09/21
Project: Spic N Span 652 S Dearborn St 060172, F&BI 108130

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD MA-APH

Laboratory Code: 108130-01 1/6.2 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
APH EC5-8 aliphatics	ug/m3	9,700	9,600	1
APH EC9-12 aliphatics	ug/m3	5,500	5,600	2
APH EC9-10 aromatics	ug/m3	350	360	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
APH EC5-8 aliphatics	ug/m3	67	72	70-130
APH EC9-12 aliphatics	ug/m3	67	92	70-130
APH EC9-10 aromatics	ug/m3	67	93	70-130

Date of Report: 08/12/21
Date Received: 08/09/21
Project: Spic N Span 652 S Dearborn St 060172, F&BI 108130

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 108130-01 1/6.2 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
Propene	ug/m3	12	13	8
Dichlorodifluoromethane	ug/m3	4.2	5.0	17
Chloromethane	ug/m3	<23	<23	nm
F-114	ug/m3	<4.3	<4.3	nm
Vinyl chloride	ug/m3	3.1	3.1	0
1,3-Butadiene	ug/m3	0.91	0.88	3
Butane	ug/m3	<29	<29	nm
Bromomethane	ug/m3	<14	<14	nm
Chloroethane	ug/m3	<16	<16	nm
Vinyl bromide	ug/m3	<2.7	<2.7	nm
Ethanol	ug/m3	<47	<47	nm
Acrolein	ug/m3	<0.71	<0.71	nm
Pentane	ug/m3	<18	<18	nm
Trichlorofluoromethane	ug/m3	<14	<14	nm
Acetone	ug/m3	<29	30	nm
2-Propanol	ug/m3	<53	<53	nm
1,1-Dichloroethene	ug/m3	<2.5	<2.5	nm
trans-1,2-Dichloroethene	ug/m3	3.0	2.9	3
Methylene chloride	ug/m3	<220	<220	nm
t-Butyl alcohol (TBA)	ug/m3	<75	<75	nm
3-Chloropropene	ug/m3	<9.7	<9.7	nm
CFC-113	ug/m3	<4.8	<4.8	nm
Carbon disulfide	ug/m3	81	83	2
Methyl t-butyl ether (MTBE)	ug/m3	<11	<11	nm
Vinyl acetate	ug/m3	<44	<44	nm
1,1-Dichloroethane	ug/m3	<2.5	<2.5	nm
cis-1,2-Dichloroethene	ug/m3	97	99	2
Hexane	ug/m3	<22	<22	nm
Chloroform	ug/m3	6.1	6.2	2
Ethyl acetate	ug/m3	<45	<45	nm
Tetrahydrofuran	ug/m3	36	35	3
2-Butanone (MEK)	ug/m3	<18	<18	nm
1,2-Dichloroethane (EDC)	ug/m3	1.5	1.5	0
1,1,1-Trichloroethane	ug/m3	<3.4	<3.4	nm
Carbon tetrachloride	ug/m3	<2	<2	nm
Benzene	ug/m3	26	26	0
Cyclohexane	ug/m3	<43	<43	nm
1,2-Dichloropropane	ug/m3	<1.4	<1.4	nm
1,4-Dioxane	ug/m3	<2.2	<2.2	nm
2,2,4-Trimethylpentane	ug/m3	<29	<29	nm

Date of Report: 08/12/21
Date Received: 08/09/21
Project: Spic N Span 652 S Dearborn St 060172, F&BI 108130

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: 108130-01 1/6.2 (Duplicate, continued)

Analyte	Reporting Units	Sample Result	Duplicate Result	RPD (Limit 30)
Methyl methacrylate	ug/m3	<25	<25	nm
Heptane	ug/m3	<25	<25	nm
Bromodichloromethane	ug/m3	<0.42	<0.42	nm
Trichloroethene	ug/m3	190	190	0
cis-1,3-Dichloropropene	ug/m3	<2.8	<2.8	nm
4-Methyl-2-pentanone	ug/m3	<25	<25	nm
trans-1,3-Dichloropropene	ug/m3	<2.8	<2.8	nm
Toluene	ug/m3	<120	<120	nm
1,1,2-Trichloroethane	ug/m3	<0.34	<0.34	nm
2-Hexanone	ug/m3	<25	<25	nm
Tetrachloroethene	ug/m3	7,700	7,700	0
Dibromochloromethane	ug/m3	<0.53	<0.53	nm
1,2-Dibromoethane (EDB)	ug/m3	<0.48	<0.48	nm
Chlorobenzene	ug/m3	<2.9	<2.9	nm
Ethylbenzene	ug/m3	6.8	6.8	0
1,1,2,2-Tetrachloroethane	ug/m3	<0.85	<0.85	nm
Nonane	ug/m3	76	75	1
Isopropylbenzene	ug/m3	54	53	2
2-Chlorotoluene	ug/m3	<32	<32	nm
Propylbenzene	ug/m3	<15	<15	nm
4-Ethyltoluene	ug/m3	<15	<15	nm
m,p-Xylene	ug/m3	25	25	0
o-Xylene	ug/m3	11	11	0
Styrene	ug/m3	<5.3	<5.3	nm
Bromoform	ug/m3	<13	<13	nm
Benzyl chloride	ug/m3	2.6	2.8	7
1,3,5-Trimethylbenzene	ug/m3	20	20	0
1,2,4-Trimethylbenzene	ug/m3	85	84	1
1,3-Dichlorobenzene	ug/m3	<3.7	<3.7	nm
1,4-Dichlorobenzene	ug/m3	<1.4	<1.4	nm
1,2-Dichlorobenzene	ug/m3	<3.7	<3.7	nm
1,2,4-Trichlorobenzene	ug/m3	<4.6	<4.6	nm
Naphthalene	ug/m3	2.8	2.8	0
Hexachlorobutadiene	ug/m3	<1.3	<1.3	nm

Date of Report: 08/12/21
Date Received: 08/09/21
Project: Spic N Span 652 S Dearborn St 060172, F&BI 108130

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Propene	ug/m3	23	67 vo	70-130
Dichlorodifluoromethane	ug/m3	67	106	70-130
Chloromethane	ug/m3	28	96	70-130
F-114	ug/m3	94	97	70-130
Vinyl chloride	ug/m3	35	85	70-130
1,3-Butadiene	ug/m3	30	89	70-130
Butane	ug/m3	32	95	70-130
Bromomethane	ug/m3	52	101	70-130
Chloroethane	ug/m3	36	96	70-130
Vinyl bromide	ug/m3	59	106	70-130
Ethanol	ug/m3	25	101	70-130
Acrolein	ug/m3	31	92	70-130
Pentane	ug/m3	40	90	70-130
Trichlorofluoromethane	ug/m3	76	99	70-130
Acetone	ug/m3	32	89	70-130
2-Propanol	ug/m3	33	89	70-130
1,1-Dichloroethene	ug/m3	54	98	70-130
trans-1,2-Dichloroethene	ug/m3	54	96	70-130
Methylene chloride	ug/m3	94	76	70-130
t-Butyl alcohol (TBA)	ug/m3	41	91	70-130
3-Chloropropene	ug/m3	42	88	70-130
CFC-113	ug/m3	100	98	70-130
Carbon disulfide	ug/m3	42	102	70-130
Methyl t-butyl ether (MTBE)	ug/m3	49	92	70-130
Vinyl acetate	ug/m3	48	85	70-130
1,1-Dichloroethane	ug/m3	55	96	70-130
cis-1,2-Dichloroethene	ug/m3	54	97	70-130
Hexane	ug/m3	48	85	70-130
Chloroform	ug/m3	66	96	70-130
Ethyl acetate	ug/m3	49	91	70-130
Tetrahydrofuran	ug/m3	40	86	70-130
2-Butanone (MEK)	ug/m3	40	100	70-130
1,2-Dichloroethane (EDC)	ug/m3	55	96	70-130
1,1,1-Trichloroethane	ug/m3	74	99	70-130
Carbon tetrachloride	ug/m3	85	100	70-130
Benzene	ug/m3	43	94	70-130
Cyclohexane	ug/m3	46	89	70-130
1,2-Dichloropropane	ug/m3	62	92	70-130
1,4-Dioxane	ug/m3	49	97	70-130
2,2,4-Trimethylpentane	ug/m3	63	93	70-130

Date of Report: 08/12/21
Date Received: 08/09/21
Project: Spic N Span 652 S Dearborn St 060172, F&BI 108130

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF AIR SAMPLES FOR VOLATILES BY METHOD TO-15

Laboratory Code: Laboratory Control Sample (continued)

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Methyl methacrylate	ug/m3	55	92	70-130
Heptane	ug/m3	55	88	70-130
Bromodichloromethane	ug/m3	90	96	70-130
Trichloroethene	ug/m3	73	109	70-130
cis-1,3-Dichloropropene	ug/m3	61	100	70-130
4-Methyl-2-pentanone	ug/m3	55	96	70-130
trans-1,3-Dichloropropene	ug/m3	61	95	70-130
Toluene	ug/m3	51	98	70-130
1,1,2-Trichloroethane	ug/m3	74	97	70-130
2-Hexanone	ug/m3	55	93	70-130
Tetrachloroethene	ug/m3	92	105	70-130
Dibromochloromethane	ug/m3	120	99	70-130
1,2-Dibromoethane (EDB)	ug/m3	100	97	70-130
Chlorobenzene	ug/m3	62	100	70-130
Ethylbenzene	ug/m3	59	91	70-130
1,1,2,2-Tetrachloroethane	ug/m3	93	94	70-130
Nonane	ug/m3	71	84	70-130
Isopropylbenzene	ug/m3	66	98	70-130
2-Chlorotoluene	ug/m3	70	93	70-130
Propylbenzene	ug/m3	66	95	70-130
4-Ethyltoluene	ug/m3	66	91	70-130
m,p-Xylene	ug/m3	120	96	70-130
o-Xylene	ug/m3	59	100	70-130
Styrene	ug/m3	58	95	70-130
Bromoform	ug/m3	140	102	70-130
Benzyl chloride	ug/m3	70	101	70-130
1,3,5-Trimethylbenzene	ug/m3	66	91	70-130
1,2,4-Trimethylbenzene	ug/m3	66	92	70-130
1,3-Dichlorobenzene	ug/m3	81	102	70-130
1,4-Dichlorobenzene	ug/m3	81	97	70-130
1,2-Dichlorobenzene	ug/m3	81	100	70-130
1,2,4-Trichlorobenzene	ug/m3	100	93	70-130
Naphthalene	ug/m3	71	98	70-130
Hexachlorobutadiene	ug/m3	140	100	70-130

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The analyte is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits due to sample matrix effects.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

108130

SAMPLE CHAIN OF CUSTODY

ME 8/9/21

Report To Jeremy Porter
Company Aspect Consulting
Address 710 2nd Ave Suite 550
City, State, ZIP Seattle, WA 98104
Phone 206.790.2129 Email jporter@aspectconsulting.com

SAMPLERS (signature) Monique Rutte

PROJECT NAME & ADDRESS: SPIC N SPAN, 052 S. Dearborn St.

PO # 060172

NOTES:

INVOICE TO: AP

Page # 1 of 1

TURNAROUND TIME
☐ Standard
☒ RUSH 72 hours
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Default: Clean after 3 days
☐ Archive (Fee may apply)

SAMPLE INFORMATION										ANALYSIS REQUESTED						
Sample Name	Lab ID	Canister ID	Flow Cont. ID	Reporting Level: IA=Indoor Air SG=Soil Gas (Circle One)	Date Sampled	Initial Vac. ("Hg)	Field Initial Time	Final Vac. ("Hg)	Field Final Time	TO15 Full Scan	TO15 BTEXN	TO15 cVOCs	APH	Helium		Notes
V6AC-1-INF-080921	01	3260	19	IA / (SG)	08/09/21	30	1345	5	1351	X			X			
V6AC-1-EFF-080921	02	3387	12	IA / (SG)	08/09/21	27	1357	5	1408	X			X			
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												Samples received at 25°C
				IA / SG												

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Monique Rutte	Monique Rutte	Aspect	08/09/21	1514
Received by: Will Radford	Will Radford	FSBI	8/9/21	15:14
Relinquished by:				
Received by:				

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