DRAFT

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	VGAC-1-INF-081721	Client:	Aspect Consulting, LLC
Date Received:	08/17/21	Project:	Spic'N Span 060172, F&BI 108267
Date Collected:	08/17/21	Lab ID:	108267-01 1/5.9
Date Analyzed:	08/18/21	Data File:	081817.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	116	70	130

Compounds:	Concentration ug/m3
APH EC5-8 aliphatics	10,000 ve
APH EC9-12 aliphatics	28,000 ve
APH EC9-10 aromatics	410

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	VGAC-1-EFF-081721	Client:	Aspect Consulting, LLC
Date Received:	08/17/21	Project:	Spic'N Span 060172, F&BI 108267
Date Collected:	08/17/21	Lab ID:	108267-02 1/4.1
Date Analyzed:	08/19/21	Data File:	081911.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

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

Compounds:	Concentration ug/m3
APH EC5-8 aliphatics	310
APH EC9-12 aliphatics	250
APH EC9-10 aromatics	<100

Analysis For Volatile Compounds By Method MA-APH

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Spic'N Span 060172, F&BI 108267
Date Collected:	Not Applicable	Lab ID:	01-1851 MB
Date Analyzed:	08/18/21	Data File:	081816.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	87	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-081721	Client:	Aspect Consulting, LLC
Date Received:	08/17/21	Project:	Spic'N Span 060172, F&BI 108267
Date Collected:	08/17/21	Lab ID:	108267-01 1/5.9
Date Analyzed:	08/18/21	Data File:	081817.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	118	70	130

Compounds:	Concentration ug/m3	ppbv	Compounds:	Concentration ug/m3	ppbv
Propene	<7.1	<4.1	1,2-Dichloropropane	2.6	0.55
Dichlorodifluoromethane	6.0	1.2	1,4-Dioxane	<2.1	<0.59
Chloromethane	<22	<11	2,2,4-Trimethylpentane	<28	<5.9
F-114	<4.1	<0.59	Methyl methacrylate	<24	<5.9
Vinyl chloride	5.1	2.0	Heptane	<24	<5.9
1,3-Butadiene	<0.26	<0.12	Bromodichloromethane	<0.4	<0.059
Butane	<28	<12	Trichloroethene	380	71
Bromomethane	<14	<3.5	cis-1,3-Dichloropropene	<2.7	<0.59
Chloroethane	<16	<5.9	4-Methyl-2-pentanone	<24	<5.9
Vinyl bromide	<2.6	<0.59	trans-1,3-Dichloropropene	<2.7	<0.59
Ethanol	<44	<24	Toluene	<110	<29
Acrolein	3.8	1.6	1,1,2-Trichloroethane	<0.32	<0.059
Pentane	22	7.6	2-Hexanone	<24	<5.9
Trichlorofluoromethane	<13	<2.4	Tetrachloroethene	9,900 ve	1,500 ve
Acetone	210 ve	89 ve	Dibromochloromethane	<0.5	<0.059
2-Propanol	<51	<21	1,2-Dibromoethane (EDB)	<0.45	<0.059
1,1-Dichloroethene	<2.3	<0.59	Chlorobenzene	<2.7	<0.59
trans-1,2-Dichloroethene	9.9	2.5	Ethylbenzene	8.9	2.1
Methylene chloride	<200 jl	<59 jl	1,1,2,2-Tetrachloroethane	<0.81	<0.12
t-Butyl alcohol (TBA)	<72	<24	Nonane	<31 ca	<5.9 ca
3-Chloropropene	<9.2	<2.9	Isopropylbenzene	16	3.2
CFC-113	<4.5	<0.59	2-Chlorotoluene	<31	<5.9
Carbon disulfide	210	68	Propylbenzene	<15	<2.9
Methyl t-butyl ether (MTBE)	<11	<2.9	4-Ethyltoluene	<15	<2.9
Vinyl acetate	<42	<12	m,p-Xylene	27	6.2
1,1-Dichloroethane	<2.4	<0.59	o-Xylene	11	2.6
cis-1,2-Dichloroethene	180	45	Styrene	<5	<1.2
Hexane	<21	<5.9	Bromoform	<12	<1.2
Chloroform	14	2.9	Benzyl chloride	<0.31	<0.059
Ethyl acetate	<43	<12	1,3,5-Trimethylbenzene	<15	<2.9
Tetrahydrofuran	34	11	1,2,4-Trimethylbenzene	19	3.9
2-Butanone (MEK)	43	15	1,3-Dichlorobenzene	<3.5	<0.59
1,2-Dichloroethane (EDC)	15	3.8	1,4-Dichlorobenzene	<1.3	<0.22
1,1,1-Trichloroethane	<3.2	<0.59	1,2-Dichlorobenzene	<3.5	<0.59
Carbon tetrachloride	<1.9	<0.29	1,2,4-Trichlorobenzene	<4.4	<0.59
Benzene	24	7.5	Naphthalene	8.8	1.7
Cyclohexane	<41	<12	Hexachlorobutadiene	<1.3	<0.12

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	VGAC-1-EFF-081721	Client:	Aspect Consulting, LLC
Date Received:	08/17/21	Project:	Spic'N Span 060172, F&BI 108267
Date Collected:	08/17/21	Lab ID:	108267-02 1/4.1
Date Analyzed:	08/19/21	Data File:	081911.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

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

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<4.9	<2.9	1,2-Dichloropropane	<0.95	<0.2
Dichlorodifluoromethane	3.1	0.63	1,4-Dioxane	<1.5	<0.41
Chloromethane	<15	<7.4	2,2,4-Trimethylpentane	<19	<4.1
F-114	<2.9	<0.41	Methyl methacrylate	<17	<4.1
Vinyl chloride	2.4	0.93	Heptane	<17	<4.1
1,3-Butadiene	<0.18	<0.082	Bromodichloromethane	<0.27	<0.041
Butane	<19	<8.2	Trichloroethene	<0.44	<0.082
Bromomethane	<9.6	<2.5	cis-1,3-Dichloropropene	<1.9	<0.41
Chloroethane	<11	<4.1	4-Methyl-2-pentanone	<17	<4.1
Vinyl bromide	<1.8	<0.41	trans-1,3-Dichloropropene	<1.9	<0.41
Ethanol	<31	<16	Toluene	<77	<20
Acrolein	<0.45	<0.21	1,1,2-Trichloroethane	<0.22	<0.041
Pentane	<12	<4.1	2-Hexanone	<17	<4.1
Trichlorofluoromethane	<9.2	<1.6	Tetrachloroethene	<28	<4.1
Acetone	<19	<8.2	Dibromochloromethane	<0.35	<0.041
2-Propanol	<35	<14	1,2-Dibromoethane (EDB)	<0.32	<0.041
1,1-Dichloroethene	<1.6	<0.41	Chlorobenzene	<1.9	<0.41
trans-1,2-Dichloroethene	<1.6	<0.41	Ethylbenzene	3.7	0.85
Methylene chloride	<140 jl	<41 jl	1,1,2,2-Tetrachloroethane	<0.56	<0.082
t-Butyl alcohol (TBA)	<50	<16	Nonane	<22	<4.1
3-Chloropropene	<6.4	<2	Isopropylbenzene	11	2.3
CFC-113	<3.1	<0.41	2-Chlorotoluene	<21	<4.1
Carbon disulfide	<26	<8.2	Propylbenzene	<10	<2
Methyl t-butyl ether (MTBE)	<7.4	<2	4-Ethyltoluene	<10	<2
Vinyl acetate	<29	<8.2	m,p-Xylene	15	3.4
1,1-Dichloroethane	<1.7	<0.41	o-Xylene	4.8	1.1
cis-1,2-Dichloroethene	<1.6	<0.41	Styrene	<3.5	<0.82
Hexane	<14	<4.1	Bromoform	<8.5	<0.82
Chloroform	<0.2	<0.041	Benzyl chloride	<0.21	<0.041
Ethyl acetate	<30	<8.2	1,3,5-Trimethylbenzene	<10	<2
Tetrahydrofuran	19	6.4	1,2,4-Trimethylbenzene	<10	<2
2-Butanone (MEK)	<12	<4.1	1,3-Dichlorobenzene	<2.5	<0.41
1,2-Dichloroethane (EDC)	<0.17	<0.041	1,4-Dichlorobenzene	<0.94	<0.16
1,1,1-Trichloroethane	<2.2	<0.41	1,2-Dichlorobenzene	<2.5	<0.41
Carbon tetrachloride	<1.3	<0.2	1,2,4-Trichlorobenzene	<3	<0.41
Benzene	1.7	0.52	Naphthalene	<1.1	<0.2
Cyclohexane	<28	<8.2	Hexachlorobutadiene	<0.87	<0.082

Analysis For Volatile Compounds By Method TO-15

Client Sample ID:	Method Blank	Client:	Aspect Consulting, LLC
Date Received:	Not Applicable	Project:	Spic'N Span 060172, F&BI 108267
Date Collected:	08/18/21	Lab ID:	01-1851 MB
Date Analyzed:	08/18/21	Data File:	081816.D
Matrix:	Air	Instrument:	GCMS8
Units:	ug/m3	Operator:	bat

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
4-Bromofluorobenzene	87	70	130

Compounds:	Concentration ug/m3	Concentration ppbv	Compounds:	Concentration ug/m3	Concentration ppbv
Propene	<1.2	<0.7	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 jl	<10 jl	1,1,2,2-Tetrachloroethane	<0.14	<0.02
t-Butyl alcohol (TBA)	<12	<4	Nonane	<5.2 ca	<1 ca
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

SAMPLE CHAIN OF CUSTODY

108267

ME 8/17/21

Page # 1 of 1

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

PO # 060172

NOTES:

INVOICE TO: AP

TURNAROUND TIME
☐ Standard
☒ RUSH 72 hrs.
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
VGAC-1-INF-081721	01	4175	101	IA / SG	08/17/21	30	0919	5	0923	X			X			
VGAC-1-EFF-081721	02	4181	117	IA / SG	08/17/21	30	0910	5	0915	X			X			
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												
				IA / SG												Samples received at 21 °C
				IA / SG												

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: Monique Rutte	Monique Rutte	Aspect	08/17/21	1504
Received by: Will Radford	Will Radford	FBI	8/17/21	15:04
Relinquished by:				
Received by:				

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