284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q3399	**OrderDate:**	10/20/2025 1:23:08 PM
Client:	ICE Service Group, Inc.	**Project:**	NWIRP Northrup Grumman Site – Bethpage, NY
Contact:	Dennis D. Morgan, II	**Location:**	D41,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3399-03	**COMP-ROLLOFF**	**SOIL**			**10/20/25**			**10/20/25**
			VOC-TCLVOA-10	8260D			10/21/25	
Q3399-04	**COMP-ROLLOFF**	**TCLP**			**10/20/25**			**10/20/25**
			TCLP VOA	8260D			10/24/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3399

Client: ICE Service Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID:									
				0					

Total Voc :

Total Concentration:

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFF	SDG No.:	Q3399
Lab Sample ID:	Q3399-03	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	89.9
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	4.40	U	1	1.30	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
74-87-3	Chloromethane	2.80	U	1	1.30	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-01-4	Vinyl Chloride	2.80	U	1	0.88	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
74-83-9	Bromomethane	4.40	U	1	1.20	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
75-00-3	Chloroethane	2.80	U	1	1.40	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-69-4	Trichlorofluoromethane	4.40	U	1	1.30	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	2.80	U	1	1.20	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-35-4	1,1-Dichloroethene	2.80	U	1	1.10	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
67-64-1	Acetone	22.2	U	1	5.30	22.2	27.8	ug/Kg	10/21/25 14:59	VY102125
75-15-0	Carbon Disulfide	4.40	U	1	1.20	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
1634-04-4	Methyl tert-butyl Ether	2.80	U	1	0.81	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
79-20-9	Methyl Acetate	4.40	U	1	1.70	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
75-09-2	Methylene Chloride	8.90	U	1	3.90	8.90	11.1	ug/Kg	10/21/25 14:59	VY102125
156-60-5	trans-1,2-Dichloroethene	2.80	U	1	0.96	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-34-3	1,1-Dichloroethane	2.80	U	1	0.89	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
110-82-7	Cyclohexane	2.80	U	1	0.88	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
78-93-3	2-Butanone	22.2	U	1	7.30	22.2	27.8	ug/Kg	10/21/25 14:59	VY102125
56-23-5	Carbon Tetrachloride	2.80	U	1	1.10	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
156-59-2	cis-1,2-Dichloroethene	2.80	U	1	0.83	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
74-97-5	Bromochloromethane	4.40	U	1	1.30	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
67-66-3	Chloroform	4.40	U	1	0.93	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
71-55-6	1,1,1-Trichloroethane	2.80	U	1	1.00	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
108-87-2	Methylcyclohexane	2.80	U	1	1.00	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
71-43-2	Benzene	2.80	U	1	0.88	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
107-06-2	1,2-Dichloroethane	2.80	U	1	0.88	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
79-01-6	Trichloroethene	2.80	U	1	0.90	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
78-87-5	1,2-Dichloropropane	2.80	U	1	1.00	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-27-4	Bromodichloromethane	2.80	U	1	0.87	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
108-10-1	4-Methyl-2-Pentanone	13.9	U	1	4.00	13.9	27.8	ug/Kg	10/21/25 14:59	VY102125
108-88-3	Toluene	2.80	U	1	0.87	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
10061-02-6	t-1,3-Dichloropropene	2.80	U	1	0.72	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
10061-01-5	cis-1,3-Dichloropropene	2.80	U	1	0.69	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
79-00-5	1,1,2-Trichloroethane	2.80	U	1	1.00	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
591-78-6	2-Hexanone	13.9	U	1	4.10	13.9	27.8	ug/Kg	10/21/25 14:59	VY102125
124-48-1	Dibromochloromethane	2.80	U	1	0.97	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
106-93-4	1,2-Dibromoethane	2.80	U	1	0.98	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
127-18-4	Tetrachloroethene	2.80	U	1	1.20	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
108-90-7	Chlorobenzene	2.80	U	1	1.00	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
100-41-4	Ethyl Benzene	2.80	U	1	0.75	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
179601-23-1	m/p-Xylenes	5.60	U	1	1.40	5.60	11.1	ug/Kg	10/21/25 14:59	VY102125
95-47-6	o-Xylene	2.80	U	1	0.91	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
100-42-5	Styrene	2.80	U	1	0.79	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
75-25-2	Bromoform	2.80	U	1	0.96	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125

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Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	10/20/25
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	10/20/25
Client Sample ID:	COMP-ROLLOFF	SDG No.:	Q3399
Lab Sample ID:	Q3399-03	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	89.9
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.80	U	1	0.87	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	2.80	U	1	1.30	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
541-73-1	1,3-Dichlorobenzene	2.80	U	1	1.90	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
106-46-7	1,4-Dichlorobenzene	2.80	U	1	1.70	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
95-50-1	1,2-Dichlorobenzene	2.80	U	1	1.60	2.80	5.60	ug/Kg	10/21/25 14:59	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	4.40	U	1	2.00	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
120-82-1	1,2,4-Trichlorobenzene	4.40	U	1	3.30	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
87-61-6	1,2,3-Trichlorobenzene	4.40	U	1	3.50	4.40	5.60	ug/Kg	10/21/25 14:59	VY102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	50.1			71 - 136		100%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.1			78 - 119		102%	SPK: 50		
2037-26-5	Toluene-d8	49.4			85 - 116		99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.8			79 - 119		86%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	803000								
540-36-3	1,4-Difluorobenzene	1300000								
3114-55-4	Chlorobenzene-d5	1100000								
3855-82-1	1,4-Dichlorobenzene-d4	458000								

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: Q3399

Client: ICE Service Group, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3399-03	COMP-ROLLOFF	1,2-Dichloroethane-d4	50	50.1	100		71	136
		Dibromofluoromethane	50	51.1	102		78	119
		Toluene-d8	50	49.4	99		85	116
		4-Bromofluorobenzene	50	42.8	86		79	119
VY1021SBL01	VY1021SBL01	1,2-Dichloroethane-d4	50	46.0	92		71	136
		Dibromofluoromethane	50	49.7	99		78	119
		Toluene-d8	50	48.1	96		85	116
		4-Bromofluorobenzene	50	36.4	73	*	79	119
VY1021SBS01	VY1021SBS01	1,2-Dichloroethane-d4	50	46.9	94		71	136
		Dibromofluoromethane	50	50.9	102		78	119
		Toluene-d8	50	51.3	103		85	116
		4-Bromofluorobenzene	50	49.9	100		79	119
VY1021SBSD01	VY1021SBSD01	1,2-Dichloroethane-d4	50	45.6	91		71	136
		Dibromofluoromethane	50	49.6	99		78	119
		Toluene-d8	50	49.7	99		85	116
		4-Bromofluorobenzene	50	47.6	95		79	119

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3399 **Analytical Method:** SW8260D

Client: ICE Service Group, Inc. **Datafile :** VY023523.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1021SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			29	149	
	Chloromethane	20	19.5	ug/Kg	98			50	136	
	Vinyl chloride	20	20.2	ug/Kg	101			56	135	
	Bromomethane	20	21.5	ug/Kg	108			53	143	
	Chloroethane	20	21.2	ug/Kg	106			59	139	
	Trichlorofluoromethane	20	20.4	ug/Kg	102			62	140	
	1,1,2-Trichlorotrifluoroethane	20	21.1	ug/Kg	106			66	136	
	1,1-Dichloroethene	20	20.2	ug/Kg	101			70	131	
	Acetone	100	120	ug/Kg	120			36	164	
	Carbon disulfide	20	20.2	ug/Kg	101			63	132	
	Methyl tert-butyl Ether	20	18.0	ug/Kg	90			73	125	
	Methyl Acetate	20	15.9	ug/Kg	79			53	144	
	Methylene Chloride	20	19.0	ug/Kg	95			70	128	
	trans-1,2-Dichloroethene	20	21.0	ug/Kg	105			74	125	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			76	125	
	Cyclohexane	20	18.8	ug/Kg	94			67	131	
	2-Butanone	100	100	ug/Kg	100			51	148	
	Carbon Tetrachloride	20	21.7	ug/Kg	109			70	135	
	cis-1,2-Dichloroethene	20	20.7	ug/Kg	104			77	123	
	Bromochloromethane	20	19.7	ug/Kg	99			78	125	
	Chloroform	20	21.5	ug/Kg	108			78	123	
	1,1,1-Trichloroethane	20	21.1	ug/Kg	106			73	130	
	Methylcyclohexane	20	19.8	ug/Kg	99			66	133	
	Benzene	20	21.6	ug/Kg	108			77	121	
	1,2-Dichloroethane	20	20.0	ug/Kg	100			73	128	
	Trichloroethene	20	21.9	ug/Kg	110			77	123	
	1,2-Dichloropropane	20	21.5	ug/Kg	108			76	123	
	Bromodichloromethane	20	21.3	ug/Kg	106			75	127	
	4-Methyl-2-Pentanone	100	86.7	ug/Kg	87			65	135	
	Toluene	20	21.9	ug/Kg	110			77	121	
	t-1,3-Dichloropropene	20	19.9	ug/Kg	100			71	130	
	cis-1,3-Dichloropropene	20	20.8	ug/Kg	104			74	126	
	1,1,2-Trichloroethane	20	21.0	ug/Kg	105			78	121	
	2-Hexanone	100	95.9	ug/Kg	96			53	145	
	Dibromochloromethane	20	20.8	ug/Kg	104			74	126	
	1,2-Dibromoethane	20	20.1	ug/Kg	101			78	122	
	Tetrachloroethene	20	22.0	ug/Kg	110			73	128	
	Chlorobenzene	20	21.2	ug/Kg	106			79	120	
	Ethyl Benzene	20	21.0	ug/Kg	105			76	122	
	m/p-Xylenes	40	43.1	ug/Kg	108			77	124	
	o-Xylene	20	20.6	ug/Kg	103			77	123	
	Styrene	20	21.0	ug/Kg	105			76	124	
	Bromoform	20	19.5	ug/Kg	98			67	132	
	Isopropylbenzene	20	20.3	ug/Kg	102			68	134	
	1,1,2,2-Tetrachloroethane	20	18.2	ug/Kg	91			70	124	
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104			77	121	
	1,4-Dichlorobenzene	20	20.5	ug/Kg	103			75	120	
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103			78	121	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3399 **Analytical Method:** SW8260D

Client: ICE Service Group, Inc. **Datafile :** VY023523.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1021SBS01	1,2-Dibromo-3-Chloropropane	20	17.0	ug/Kg	85			61	132	
	1,2,4-Trichlorobenzene	20	18.0	ug/Kg	90			67	129	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			66	130	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3399 **Analytical Method:** SW8260D

Client: ICE Service Group, Inc. **Datafile :** VY023524.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1021SBSD01	Dichlorodifluoromethane	20	20.9	ug/Kg	104	2		29	149	20
	Chloromethane	20	19.3	ug/Kg	97	1		50	136	20
	Vinyl chloride	20	20.0	ug/Kg	100	1		56	135	20
	Bromomethane	20	20.7	ug/Kg	104	4		53	143	20
	Chloroethane	20	21.4	ug/Kg	107	1		59	139	20
	Trichlorofluoromethane	20	20.6	ug/Kg	103	1		62	140	20
	1,1,2-Trichlorotrifluoroethane	20	20.7	ug/Kg	104	2		66	136	20
	1,1-Dichloroethene	20	20.6	ug/Kg	103	2		70	131	20
	Acetone	100	120	ug/Kg	120	0		36	164	20
	Carbon disulfide	20	19.7	ug/Kg	99	2		63	132	20
	Methyl tert-butyl Ether	20	18.2	ug/Kg	91	1		73	125	20
	Methyl Acetate	20	15.6	ug/Kg	78	1		53	144	20
	Methylene Chloride	20	18.9	ug/Kg	95	0		70	128	20
	trans-1,2-Dichloroethene	20	20.6	ug/Kg	103	2		74	125	20
	1,1-Dichloroethane	20	20.6	ug/Kg	103	0		76	125	20
	Cyclohexane	20	18.6	ug/Kg	93	1		67	131	20
	2-Butanone	100	100	ug/Kg	100	0		51	148	20
	Carbon Tetrachloride	20	21.0	ug/Kg	105	4		70	135	20
	cis-1,2-Dichloroethene	20	20.5	ug/Kg	103	1		77	123	20
	Bromochloromethane	20	19.6	ug/Kg	98	1		78	125	20
	Chloroform	20	21.0	ug/Kg	105	3		78	123	20
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104	2		73	130	20
	Methylcyclohexane	20	19.5	ug/Kg	98	1		66	133	20
	Benzene	20	21.6	ug/Kg	108	0		77	121	20
	1,2-Dichloroethane	20	20.0	ug/Kg	100	0		73	128	20
	Trichloroethene	20	21.2	ug/Kg	106	4		77	123	20
	1,2-Dichloropropane	20	20.7	ug/Kg	104	4		76	123	20
	Bromodichloromethane	20	21.2	ug/Kg	106	0		75	127	20
	4-Methyl-2-Pentanone	100	86.8	ug/Kg	87	0		65	135	20
	Toluene	20	21.4	ug/Kg	107	3		77	121	20
	t-1,3-Dichloropropene	20	19.5	ug/Kg	98	2		71	130	20
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101	3		74	126	20
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101	4		78	121	20
	2-Hexanone	100	96.5	ug/Kg	97	1		53	145	20
	Dibromochloromethane	20	20.5	ug/Kg	103	1		74	126	20
	1,2-Dibromoethane	20	20.2	ug/Kg	101	0		78	122	20
	Tetrachloroethene	20	22.1	ug/Kg	111	1		73	128	20
	Chlorobenzene	20	21.2	ug/Kg	106	0		79	120	20
	Ethyl Benzene	20	20.8	ug/Kg	104	1		76	122	20
	m/p-Xylenes	40	42.7	ug/Kg	107	1		77	124	20
	o-Xylene	20	20.7	ug/Kg	104	1		77	123	20
	Styrene	20	20.5	ug/Kg	103	2		76	124	20
	Bromoform	20	19.6	ug/Kg	98	0		67	132	20
	Isopropylbenzene	20	20.3	ug/Kg	102	0		68	134	20
	1,1,2,2-Tetrachloroethane	20	18.8	ug/Kg	94	3		70	124	20
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104	0		77	121	20
	1,4-Dichlorobenzene	20	20.6	ug/Kg	103	0		75	120	20
	1,2-Dichlorobenzene	20	20.5	ug/Kg	103	0		78	121	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3399 **Analytical Method:** SW8260D

Client: ICE Service Group, Inc. **Datafile :** VY023524.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1021SBSD01	1,2-Dibromo-3-Chloropropane	20	17.3	ug/Kg	86	1		61	132	20
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96	6		67	129	20
	1,2,3-Trichlorobenzene	20	18.8	ug/Kg	94	3		66	130	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY1021SBL01

Lab Name: Alliance | Contract: ICES02

Lab Code: ACE | SDG NO.: Q3399

Lab File ID: VY023522.D | Lab Sample ID: VY1021SBL01

Date Analyzed: 10/21/2025 | Time Analyzed: 09:34

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025
VY1021SBSD01	VY1021SBSD01	VY023524.D	10/21/2025
COMP-ROLLOFF	Q3399-03	VY023534.D	10/21/2025

COMMENTS:

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A B C D E F G

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ICES02

Lab Code: ACE | SDG NO.: Q3399

Lab File ID: VY023383.D | BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:43

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.9
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (0.9) 1
174	50.0 - 100.0% of mass 95	99.1
175	5.0 - 9.0% of mass 174	7.3 (7.4) 1
176	95.0 - 101.0% of mass 174	95.4 (96.2) 1
177	5.0 - 9.0% of mass 176	6.3 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023384.D	10/07/2025	09:17
VSTDICC010	VSTDICC010	VY023385.D	10/07/2025	10:02
VSTDICC020	VSTDICC020	VY023386.D	10/07/2025	11:24
VSTDICCC050	VSTDICCC050	VY023387.D	10/07/2025	11:47
VSTDICC100	VSTDICC100	VY023388.D	10/07/2025	12:09
VSTDICC150	VSTDICC150	VY023389.D	10/07/2025	12:32

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A B C D E F G

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ICES02
Lab Code: ACE
SDG NO.: Q3399
Lab File ID: VY023520.D
BFB Injection Date: 10/21/2025
Instrument ID: MSVOA_Y
BFB Injection Time: 08:29
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N Y

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.5
75	30.0 - 60.0% of mass 95	48.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.3 (1.4) 1
174	50.0 - 100.0% of mass 95	94.7
175	5.0 - 9.0% of mass 174	6.8 (7.1) 1
176	95.0 - 101.0% of mass 174	92.5 (97.7) 1
177	5.0 - 9.0% of mass 176	6.2 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023521.D	10/21/2025	09:05
VY1021SBL01	VY1021SBL01	VY023522.D	10/21/2025	09:34
VY1021SBS01	VY1021SBS01	VY023523.D	10/21/2025	10:04
VY1021SBSD01	VY1021SBSD01	VY023524.D	10/21/2025	10:27
COMP-ROLLOFF	Q3399-03	VY023534.D	10/21/2025	14:59

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3399

Lab File ID: VY023521.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:05

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	499961	7.71	698196	8.62	642915	11.42
UPPER LIMIT	999922	8.213	1396390	9.116	1285830	11.92
LOWER LIMIT	249981	7.213	349098	8.116	321458	10.92
EPA SAMPLE NO.						
COMP-ROLLOFF	803329	7.71	1303553	8.62	1099444	11.41
VY1021SBL01	767531	7.71	1271980	8.62	1000258	11.42
VY1021SBS01	494016	7.71	712868	8.62	635785	11.41
VY1021SBSD01	507725	7.71	737688	8.62	649036	11.41

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3399

Lab File ID: VY023521.D Date Analyzed: 10/21/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:05

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	341616	13.347				
UPPER LIMIT	683232	13.847				
LOWER LIMIT	170808	12.847				
EPA SAMPLE NO.						
COMP-ROLLOFF	457774	13.35				
VY1021SBL01	378610	13.35				
VY1021SBS01	341398	13.35				
VY1021SBSD01	345630	13.35				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	VY1021SBL01	SDG No.:	Q3399
Lab Sample ID:	VY1021SBL01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	4.00	U	1	1.10	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
74-87-3	Chloromethane	2.50	U	1	1.10	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-01-4	Vinyl Chloride	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
74-83-9	Bromomethane	4.00	U	1	1.10	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
75-00-3	Chloroethane	2.50	U	1	1.30	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-69-4	Trichlorofluoromethane	4.00	U	1	1.20	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	1	1.10	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-35-4	1,1-Dichloroethene	2.50	U	1	1.00	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
67-64-1	Acetone	20.0	U	1	4.70	20.0	25.0	ug/Kg	10/21/25 09:34	VY102125
75-15-0	Carbon Disulfide	4.00	U	1	1.10	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
1634-04-4	Methyl tert-butyl Ether	2.50	U	1	0.73	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
79-20-9	Methyl Acetate	4.00	U	1	1.50	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
75-09-2	Methylene Chloride	8.00	U	1	3.50	8.00	10.0	ug/Kg	10/21/25 09:34	VY102125
156-60-5	trans-1,2-Dichloroethene	2.50	U	1	0.86	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-34-3	1,1-Dichloroethane	2.50	U	1	0.80	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
110-82-7	Cyclohexane	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
78-93-3	2-Butanone	20.0	U	1	6.50	20.0	25.0	ug/Kg	10/21/25 09:34	VY102125
56-23-5	Carbon Tetrachloride	2.50	U	1	0.97	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
156-59-2	cis-1,2-Dichloroethene	2.50	U	1	0.75	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
74-97-5	Bromochloromethane	4.00	U	1	1.20	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
67-66-3	Chloroform	4.00	U	1	0.84	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
71-55-6	1,1,1-Trichloroethane	2.50	U	1	0.93	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
108-87-2	Methylcyclohexane	2.50	U	1	0.91	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
71-43-2	Benzene	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
107-06-2	1,2-Dichloroethane	2.50	U	1	0.79	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
79-01-6	Trichloroethene	2.50	U	1	0.81	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
78-87-5	1,2-Dichloropropane	2.50	U	1	0.91	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-27-4	Bromodichloromethane	2.50	U	1	0.78	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
108-10-1	4-Methyl-2-Pentanone	12.5	U	1	3.60	12.5	25.0	ug/Kg	10/21/25 09:34	VY102125
108-88-3	Toluene	2.50	U	1	0.78	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-02-6	t-1,3-Dichloropropene	2.50	U	1	0.65	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
10061-01-5	cis-1,3-Dichloropropene	2.50	U	1	0.62	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
79-00-5	1,1,2-Trichloroethane	2.50	U	1	0.92	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
591-78-6	2-Hexanone	12.5	U	1	3.70	12.5	25.0	ug/Kg	10/21/25 09:34	VY102125
124-48-1	Dibromochloromethane	2.50	U	1	0.87	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
106-93-4	1,2-Dibromoethane	2.50	U	1	0.88	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
127-18-4	Tetrachloroethene	2.50	U	1	1.10	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
108-90-7	Chlorobenzene	2.50	U	1	0.91	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
100-41-4	Ethyl Benzene	2.50	U	1	0.67	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
179601-23-1	m/p-Xylenes	5.00	U	1	1.20	5.00	10.0	ug/Kg	10/21/25 09:34	VY102125
95-47-6	o-Xylene	2.50	U	1	0.82	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
100-42-5	Styrene	2.50	U	1	0.71	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
75-25-2	Bromoform	2.50	U	1	0.86	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	VY1021SBL01	SDG No.:	Q3399
Lab Sample ID:	VY1021SBL01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.50	U	1	0.78	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	2.50	U	1	1.20	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
541-73-1	1,3-Dichlorobenzene	2.50	U	1	1.70	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
106-46-7	1,4-Dichlorobenzene	2.50	U	1	1.60	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
95-50-1	1,2-Dichlorobenzene	2.50	U	1	1.50	2.50	5.00	ug/Kg	10/21/25 09:34	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	4.00	U	1	1.80	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
120-82-1	1,2,4-Trichlorobenzene	4.00	U	1	3.00	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
87-61-6	1,2,3-Trichlorobenzene	4.00	U	1	3.20	4.00	5.00	ug/Kg	10/21/25 09:34	VY102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	46.0			71 - 136		92%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.7			78 - 119		99%	SPK: 50		
2037-26-5	Toluene-d8	48.1			85 - 116		96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	36.4	*		79 - 119		73%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	768000								
540-36-3	1,4-Difluorobenzene	1270000								
3114-55-4	Chlorobenzene-d5	1000000								
3855-82-1	1,4-Dichlorobenzene-d4	379000								

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	VY1021SBS01	SDG No.:	Q3399
Lab Sample ID:	VY1021SBS01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	20.3		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
74-87-3	Chloromethane	19.5		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-01-4	Vinyl Chloride	20.2		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
74-83-9	Bromomethane	21.5		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
75-00-3	Chloroethane	21.2		1	1.30	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-69-4	Trichlorofluoromethane	20.4		1	1.20	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	21.1		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-35-4	1,1-Dichloroethene	20.2		1	1.00	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
67-64-1	Acetone	120		1	4.70	20.0	25.0	ug/Kg	10/21/25 10:04	VY102125
75-15-0	Carbon Disulfide	20.2		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.73	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
79-20-9	Methyl Acetate	15.9		1	1.50	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
75-09-2	Methylene Chloride	19.0		1	3.50	8.00	10.0	ug/Kg	10/21/25 10:04	VY102125
156-60-5	trans-1,2-Dichloroethene	21.0		1	0.86	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-34-3	1,1-Dichloroethane	20.5		1	0.80	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
110-82-7	Cyclohexane	18.8		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
78-93-3	2-Butanone	100		1	6.50	20.0	25.0	ug/Kg	10/21/25 10:04	VY102125
56-23-5	Carbon Tetrachloride	21.7		1	0.97	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
156-59-2	cis-1,2-Dichloroethene	20.7		1	0.75	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
74-97-5	Bromochloromethane	19.7		1	1.20	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
67-66-3	Chloroform	21.5		1	0.84	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
71-55-6	1,1,1-Trichloroethane	21.1		1	0.93	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
108-87-2	Methylcyclohexane	19.8		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
71-43-2	Benzene	21.6		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
107-06-2	1,2-Dichloroethane	20.0		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
79-01-6	Trichloroethene	21.9		1	0.81	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
78-87-5	1,2-Dichloropropane	21.5		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-27-4	Bromodichloromethane	21.3		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
108-10-1	4-Methyl-2-Pentanone	86.7		1	3.60	12.5	25.0	ug/Kg	10/21/25 10:04	VY102125
108-88-3	Toluene	21.9		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.65	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
10061-01-5	cis-1,3-Dichloropropene	20.8		1	0.62	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
79-00-5	1,1,2-Trichloroethane	21.0		1	0.92	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
591-78-6	2-Hexanone	95.9		1	3.70	12.5	25.0	ug/Kg	10/21/25 10:04	VY102125
124-48-1	Dibromochloromethane	20.8		1	0.87	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
106-93-4	1,2-Dibromoethane	20.1		1	0.88	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
127-18-4	Tetrachloroethene	22.0		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
108-90-7	Chlorobenzene	21.2		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
100-41-4	Ethyl Benzene	21.0		1	0.67	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
179601-23-1	m/p-Xylenes	43.1		1	1.20	5.00	10.0	ug/Kg	10/21/25 10:04	VY102125
95-47-6	o-Xylene	20.6		1	0.82	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
100-42-5	Styrene	21.0		1	0.71	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
75-25-2	Bromoform	19.5		1	0.86	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	VY1021SBS01	SDG No.:	Q3399
Lab Sample ID:	VY1021SBS01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.3		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	18.2		1	1.20	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
541-73-1	1,3-Dichlorobenzene	20.7		1	1.70	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
106-46-7	1,4-Dichlorobenzene	20.5		1	1.60	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	2.50	5.00	ug/Kg	10/21/25 10:04	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		1	1.80	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
120-82-1	1,2,4-Trichlorobenzene	18.0		1	3.00	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
87-61-6	1,2,3-Trichlorobenzene	18.1		1	3.20	4.00	5.00	ug/Kg	10/21/25 10:04	VY102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	46.9			71 - 136		94%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			78 - 119		102%	SPK: 50		
2037-26-5	Toluene-d8	51.3			85 - 116		103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.9			79 - 119		100%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	494000								
540-36-3	1,4-Difluorobenzene	713000								
3114-55-4	Chlorobenzene-d5	636000								
3855-82-1	1,4-Dichlorobenzene-d4	341000								

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	VY1021SBSD01	SDG No.:	Q3399
Lab Sample ID:	VY1021SBSD01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-71-8	Dichlorodifluoromethane	20.9		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
74-87-3	Chloromethane	19.3		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-01-4	Vinyl Chloride	20.0		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
74-83-9	Bromomethane	20.7		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
75-00-3	Chloroethane	21.4		1	1.30	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-69-4	Trichlorofluoromethane	20.6		1	1.20	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
76-13-1	1,1,2-Trichlorotrifluoroethane	20.7		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-35-4	1,1-Dichloroethene	20.6		1	1.00	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
67-64-1	Acetone	120		1	4.70	20.0	25.0	ug/Kg	10/21/25 10:27	VY102125
75-15-0	Carbon Disulfide	19.7		1	1.10	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
1634-04-4	Methyl tert-butyl Ether	18.2		1	0.73	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-20-9	Methyl Acetate	15.6		1	1.50	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
75-09-2	Methylene Chloride	18.9		1	3.50	8.00	10.0	ug/Kg	10/21/25 10:27	VY102125
156-60-5	trans-1,2-Dichloroethene	20.6		1	0.86	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-34-3	1,1-Dichloroethane	20.6		1	0.80	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
110-82-7	Cyclohexane	18.6		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
78-93-3	2-Butanone	100		1	6.50	20.0	25.0	ug/Kg	10/21/25 10:27	VY102125
56-23-5	Carbon Tetrachloride	21.0		1	0.97	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
156-59-2	cis-1,2-Dichloroethene	20.5		1	0.75	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
74-97-5	Bromochloromethane	19.6		1	1.20	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
67-66-3	Chloroform	21.0		1	0.84	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
71-55-6	1,1,1-Trichloroethane	20.8		1	0.93	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
108-87-2	Methylcyclohexane	19.5		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
71-43-2	Benzene	21.6		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
107-06-2	1,2-Dichloroethane	20.0		1	0.79	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-01-6	Trichloroethene	21.2		1	0.81	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
78-87-5	1,2-Dichloropropane	20.7		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-27-4	Bromodichloromethane	21.2		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
108-10-1	4-Methyl-2-Pentanone	86.8		1	3.60	12.5	25.0	ug/Kg	10/21/25 10:27	VY102125
108-88-3	Toluene	21.4		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
10061-02-6	t-1,3-Dichloropropene	19.5		1	0.65	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
10061-01-5	cis-1,3-Dichloropropene	20.2		1	0.62	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-00-5	1,1,2-Trichloroethane	20.2		1	0.92	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
591-78-6	2-Hexanone	96.5		1	3.70	12.5	25.0	ug/Kg	10/21/25 10:27	VY102125
124-48-1	Dibromochloromethane	20.5		1	0.87	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
106-93-4	1,2-Dibromoethane	20.2		1	0.88	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
127-18-4	Tetrachloroethene	22.1		1	1.10	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
108-90-7	Chlorobenzene	21.2		1	0.91	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
100-41-4	Ethyl Benzene	20.8		1	0.67	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
179601-23-1	m/p-Xylenes	42.7		1	1.20	5.00	10.0	ug/Kg	10/21/25 10:27	VY102125
95-47-6	o-Xylene	20.7		1	0.82	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
100-42-5	Styrene	20.5		1	0.71	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
75-25-2	Bromoform	19.6		1	0.86	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	ICE Service Group, Inc.	Date Collected:	
Project:	NWIRP Northrup Grumman Site – Bethpage, NY	Date Received:	
Client Sample ID:	VY1021SBSD01	SDG No.:	Q3399
Lab Sample ID:	VY1021SBSD01	Matrix:	SOIL
Analytical Method:	8260D Level: LOW	% Solid:	100
Sample Wt/Vol:	5 g Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	20.3		1	0.78	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
79-34-5	1,1,2,2-Tetrachloroethane	18.8		1	1.20	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
541-73-1	1,3-Dichlorobenzene	20.8		1	1.70	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
106-46-7	1,4-Dichlorobenzene	20.6		1	1.60	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
95-50-1	1,2-Dichlorobenzene	20.5		1	1.50	2.50	5.00	ug/Kg	10/21/25 10:27	VY102125
96-12-8	1,2-Dibromo-3-Chloropropane	17.3		1	1.80	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
120-82-1	1,2,4-Trichlorobenzene	19.1		1	3.00	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
87-61-6	1,2,3-Trichlorobenzene	18.8		1	3.20	4.00	5.00	ug/Kg	10/21/25 10:27	VY102125
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	45.6			71 - 136		91%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.6			78 - 119		99%	SPK: 50		
2037-26-5	Toluene-d8	49.7			85 - 116		99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.7			79 - 119		95%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	508000								
540-36-3	1,4-Difluorobenzene	738000								
3114-55-4	Chlorobenzene-d5	649000								
3855-82-1	1,4-Dichlorobenzene-d4	346000								

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG No.: Q3399

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.397	0.399	0.400	0.321	0.310	0.333	0.360	12
Chloromethane	0.518	0.557	0.512	0.449	0.438	0.467	0.490	9.4
Vinyl Chloride	0.660	0.684	0.659	0.598	0.597	0.633	0.639	5.6
Bromomethane	0.601	0.596	0.548	0.469	0.483	0.518	0.536	10.4
Chloroethane	0.441	0.462	0.453	0.414	0.413	0.429	0.435	4.7
Trichlorofluoromethane	0.884	0.920	0.946	0.842	0.850	0.877	0.887	4.5
1,1,2-Trichlorotrifluoroethane	0.484	0.486	0.479	0.437	0.429	0.445	0.460	5.6
1,1-Dichloroethene	0.449	0.475	0.456	0.427	0.426	0.443	0.446	4.1
Acetone	0.128	0.117	0.094	0.084	0.085	0.089	0.100	18.7
Carbon Disulfide	1.291	1.367	1.320	1.225	1.210	1.246	1.277	4.7
Methyl tert-butyl Ether	1.006	1.075	1.075	1.020	1.091	1.165	1.072	5.3
Methyl Acetate	0.244	0.265	0.260	0.245	0.266	0.286	0.261	6
Methylene Chloride	0.625	0.634	0.576	0.458	0.463	0.473	0.538	15.4
trans-1,2-Dichloroethene	0.494	0.504	0.507	0.470	0.478	0.494	0.491	2.9
1,1-Dichloroethane	0.800	0.835	0.827	0.759	0.765	0.792	0.796	3.9
Cyclohexane	0.797	0.717	0.697	0.643	0.644	0.676	0.696	8.3
2-Butanone	0.133	0.134	0.115	0.105	0.115	0.126	0.122	9.6
Carbon Tetrachloride	0.483	0.501	0.504	0.481	0.487	0.503	0.493	2.1
cis-1,2-Dichloroethene	0.542	0.584	0.582	0.542	0.563	0.591	0.567	3.8
Bromochloromethane	0.332	0.323	0.320	0.267	0.270	0.273	0.297	10.2
Chloroform	0.886	0.912	0.901	0.835	0.842	0.874	0.875	3.5
1,1,1-Trichloroethane	0.808	0.814	0.822	0.767	0.764	0.796	0.795	3.1
Methylcyclohexane	0.491	0.486	0.537	0.527	0.554	0.583	0.530	7
Benzene	1.253	1.302	1.322	1.259	1.281	1.312	1.288	2.2
1,2-Dichloroethane	0.328	0.346	0.343	0.315	0.324	0.338	0.332	3.6
Trichloroethene	0.380	0.381	0.386	0.367	0.372	0.376	0.377	1.8
1,2-Dichloropropane	0.276	0.289	0.292	0.274	0.283	0.293	0.285	2.9
Bromodichloromethane	0.440	0.463	0.459	0.439	0.449	0.468	0.453	2.7
4-Methyl-2-Pentanone	0.141	0.159	0.161	0.159	0.180	0.196	0.166	11.6
Toluene	0.777	0.818	0.855	0.827	0.855	0.885	0.836	4.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG No.: Q3399

Instrument ID: MSVOA_Y Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:17 12:32

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VY023384.D RRF010 = VY023385.D RRF020 = VY023386.D
RRF050 = VY023387.D RRF100 = VY023388.D RRF150 = VY023389.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.357	0.380	0.390	0.385	0.415	0.438	0.394	7.2
cis-1,3-Dichloropropene	0.424	0.460	0.465	0.455	0.481	0.505	0.465	5.9
1,1,2-Trichloroethane	0.234	0.247	0.241	0.231	0.244	0.254	0.242	3.5
2-Hexanone	0.108	0.117	0.110	0.112	0.126	0.138	0.119	9.9
Dibromochloromethane	0.319	0.337	0.340	0.327	0.347	0.365	0.339	4.7
1,2-Dibromoethane	0.215	0.229	0.231	0.223	0.237	0.249	0.231	5.2
Tetrachloroethene	0.538	0.517	0.561	0.523	0.502	0.456	0.516	6.9
Chlorobenzene	1.086	1.095	1.092	1.053	1.083	1.116	1.087	1.9
Ethyl Benzene	1.606	1.711	1.753	1.777	1.824	1.891	1.760	5.5
m/p-Xylenes	0.632	0.675	0.715	0.719	0.734	0.763	0.706	6.5
o-Xylene	0.588	0.623	0.653	0.670	0.701	0.738	0.662	8.1
Styrene	0.902	1.026	1.098	1.109	1.166	1.233	1.089	10.5
Bromoform	0.225	0.242	0.238	0.230	0.244	0.262	0.240	5.4
Isopropylbenzene	2.967	3.153	3.353	3.317	3.425	3.555	3.295	6.3
1,1,2,2-Tetrachloroethane	0.530	0.548	0.502	0.499	0.543	0.611	0.539	7.6
1,3-Dichlorobenzene	1.667	1.698	1.718	1.657	1.701	1.794	1.706	2.9
1,4-Dichlorobenzene	1.703	1.703	1.694	1.624	1.653	1.732	1.685	2.3
1,2-Dichlorobenzene	1.485	1.498	1.511	1.446	1.490	1.543	1.496	2.1
1,2-Dibromo-3-Chloropropane	0.087	0.093	0.083	0.083	0.088	0.096	0.088	6.2
1,2,4-Trichlorobenzene	0.846	0.867	0.901	0.918	1.007	1.054	0.932	8.7
1,2,3-Trichlorobenzene	0.719	0.753	0.795	0.793	0.866	0.920	0.808	9.1
1,2-Dichloroethane-d4	0.455	0.436	0.429	0.392	0.392	0.405	0.418	6.2
Dibromofluoromethane	0.311	0.314	0.317	0.298	0.299	0.303	0.307	2.6
Toluene-d8	1.132	1.170	1.177	1.129	1.122	1.135	1.144	2
4-Bromofluorobenzene	0.401	0.370	0.373	0.365	0.372	0.386	0.378	3.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: ICES02
Lab Code: ACE
SDG No.: Q3399
Instrument ID: MSVOA_Y
Calibration Date/Time: 10/21/2025 09:05
Lab File ID: VY023521.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 09:17 12:32
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.360	0.323		-10.28	20
Chloromethane	0.490	0.450	0.1	-8.16	20
Vinyl Chloride	0.639	0.605		-5.32	20
Bromomethane	0.536	0.513		-4.29	20
Chloroethane	0.435	0.447		2.76	20
Trichlorofluoromethane	0.887	0.883		-0.45	20
1,1,2-Trichlorotrifluoroethane	0.460	0.490		6.52	20
1,1-Dichloroethene	0.446	0.455		2.02	20
Acetone	0.100	0.113		13	20
Carbon Disulfide	1.277	1.260		-1.33	20
Methyl tert-butyl Ether	1.072	1.116		4.1	20
Methyl Acetate	0.261	0.303		16.09	20
Methylene Chloride	0.538	0.509		-5.39	20
trans-1,2-Dichloroethene	0.491	0.520		5.91	20
1,1-Dichloroethane	0.796	0.840	0.1	5.53	20
Cyclohexane	0.696	0.643		-7.61	20
2-Butanone	0.122	0.124		1.64	20
Carbon Tetrachloride	0.493	0.562		14	20
cis-1,2-Dichloroethene	0.567	0.614		8.29	20
Bromochloromethane	0.297	0.269		-9.43	20
Chloroform	0.875	0.960		9.71	20
1,1,1-Trichloroethane	0.795	0.859		8.05	20
Methylcyclohexane	0.530	0.568		7.17	20
Benzene	1.288	1.448		12.42	20
1,2-Dichloroethane	0.332	0.360		8.43	20
Trichloroethene	0.377	0.421		11.67	20
1,2-Dichloropropane	0.285	0.320		12.28	20
Bromodichloromethane	0.453	0.522		15.23	20
4-Methyl-2-Pentanone	0.166	0.186		12.05	20
Toluene	0.836	0.967		15.67	20
t-1,3-Dichloropropene	0.394	0.441		11.93	20
cis-1,3-Dichloropropene	0.465	0.524		12.69	20
1,1,2-Trichloroethane	0.242	0.285		17.77	20
2-Hexanone	0.119	0.135		13.44	20
Dibromochloromethane	0.339	0.403		18.88	20
1,2-Dibromoethane	0.231	0.269		16.45	20
Tetrachloroethene	0.516	0.575		11.43	20
Chlorobenzene	1.087	1.181	0.3	8.65	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG No.: Q3399

Instrument ID: MSVOA_Y Calibration Date/Time: 10/21/2025 09:05

Lab File ID: VY023521.D Init. Calib. Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:17 12:32

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.760	1.961		11.42	20
m/p-Xylenes	0.706	0.799		13.17	20
o-Xylene	0.662	0.739		11.63	20
Styrene	1.089	1.261		15.79	20
Bromoform	0.240	0.269	0.1	12.08	20
Isopropylbenzene	3.295	3.640		10.47	20
1,1,2,2-Tetrachloroethane	0.539	0.571	0.3	5.94	20
1,3-Dichlorobenzene	1.706	1.887		10.61	20
1,4-Dichlorobenzene	1.685	1.813		7.6	20
1,2-Dichlorobenzene	1.496	1.634		9.23	20
1,2-Dibromo-3-Chloropropane	0.088	0.088		0	20
1,2,4-Trichlorobenzene	0.932	0.982		5.36	20
1,2,3-Trichlorobenzene	0.808	0.843		4.33	20
1,2-Dichloroethane-d4	0.418	0.408		-2.39	20
Dibromofluoromethane	0.307	0.331		7.82	20
Toluene-d8	1.144	1.218		6.47	20
4-Bromofluorobenzene	0.378	0.405		7.14	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.