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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			10/22/25	
Q3399-04RE	**COMP-ROLLOFFRE**	**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:	Q3399-04	Matrix:	TCLP
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	5.00	ug/L	10/22/25 15:50	VX102225
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	5.00	ug/L	10/22/25 15:50	VX102225
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	25.0	ug/L	10/22/25 15:50	VX102225
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	5.00	ug/L	10/22/25 15:50	VX102225
67-66-3	Chloroform	0.50	U	1	0.25	0.50	5.00	ug/L	10/22/25 15:50	VX102225
71-43-2	Benzene	0.50	U	1	0.15	0.50	5.00	ug/L	10/22/25 15:50	VX102225
107-06-2	1,2-Dichloroethane	0.75	U	1	0.22	0.75	5.00	ug/L	10/22/25 15:50	VX102225
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	5.00	ug/L	10/22/25 15:50	VX102225
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	5.00	ug/L	10/22/25 15:50	VX102225
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	5.00	ug/L	10/22/25 15:50	VX102225
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	51.0			81 - 118		102%	SPK: 50		
1868-53-7	Dibromofluoromethane	43.7			80 - 119		87%	SPK: 50		
2037-26-5	Toluene-d8	41.4	*		89 - 112		83%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.2			85 - 114		92%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	156000								
540-36-3	1,4-Difluorobenzene	307000								
3114-55-4	Chlorobenzene-d5	274000								
3855-82-1	1,4-Dichlorobenzene-d4	141000								

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

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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-ROLLOFFRE	SDG No.:	Q3399
Lab Sample ID:	Q3399-04RE	Matrix:	TCLP
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	0.75	UQ	1	0.26	0.75	5.00	ug/L	10/24/25 11:03	vx102425
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	5.00	ug/L	10/24/25 11:03	vx102425
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	25.0	ug/L	10/24/25 11:03	vx102425
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	5.00	ug/L	10/24/25 11:03	vx102425
67-66-3	Chloroform	0.50	U	1	0.25	0.50	5.00	ug/L	10/24/25 11:03	vx102425
71-43-2	Benzene	0.50	U	1	0.15	0.50	5.00	ug/L	10/24/25 11:03	vx102425
107-06-2	1,2-Dichloroethane	0.75	U	1	0.22	0.75	5.00	ug/L	10/24/25 11:03	vx102425
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	5.00	ug/L	10/24/25 11:03	vx102425
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	5.00	ug/L	10/24/25 11:03	vx102425
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	5.00	ug/L	10/24/25 11:03	vx102425
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	54.5			81 - 118		109%	SPK: 50		
1868-53-7	Dibromofluoromethane	39.9			80 - 119		80%	SPK: 50		
2037-26-5	Toluene-d8	47.1			89 - 112		94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	50.4			85 - 114		101%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	137000								
540-36-3	1,4-Difluorobenzene	271000								
3114-55-4	Chlorobenzene-d5	270000								
3855-82-1	1,4-Dichlorobenzene-d4	124000								

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	High
Q3399-04	COMP-ROLLOFF	1,2-Dichloroethane-d4	50	51.0	102		81	118
		Dibromofluoromethane	50	43.7	87		80	119
		Toluene-d8	50	41.4	83	*	89	112
		4-Bromofluorobenzene	50	46.2	92		85	114
Q3399-04RE	COMP-ROLLOFFRE	1,2-Dichloroethane-d4	50	54.5	109		81	118
		Dibromofluoromethane	50	39.9	80		80	119
		Toluene-d8	50	47.1	94		89	112
		4-Bromofluorobenzene	50	50.4	101		85	114

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Surrogate Summary

SDG No.: Q3399

Client: ICE Service Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
VX1022WBL01	VX1022WBL01	1,2-Dichloroethane-d4	50	50.7	101		81	118
		Dibromofluoromethane	50	49.1	98		80	119
		Toluene-d8	50	47.7	95		89	112
		4-Bromofluorobenzene	50	54.5	109		85	114
VX1022WBS01	VX1022WBS01	1,2-Dichloroethane-d4	50	50.2	100		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	50.7	101		89	112
		4-Bromofluorobenzene	50	52.4	105		85	114
VX1022WBSD0	VX1022WBSD01	1,2-Dichloroethane-d4	50	49.3	99		81	118
		Dibromofluoromethane	50	49.3	99		80	119
		Toluene-d8	50	49.2	98		89	112
		4-Bromofluorobenzene	50	49.4	99		85	114
VX1024WBL01	VX1024WBL01	1,2-Dichloroethane-d4	50	52.2	104		81	118
		Dibromofluoromethane	50	39.0	78	*	80	119
		Toluene-d8	50	43.1	86	*	89	112
		4-Bromofluorobenzene	50	42.7	85		85	114
VX1024WBS01	VX1024WBS01	1,2-Dichloroethane-d4	50	51.3	103		81	118
		Dibromofluoromethane	50	41.6	83		80	119
		Toluene-d8	50	49.6	99		89	112
		4-Bromofluorobenzene	50	48.3	97		85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3399 **Analytical Method:** SW8260-Low

Client: ICE Service Group, Inc. **Datafile :** VX048283.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1022WBS01	Vinyl chloride	20	16.4	ug/L	82			58	137	
	1,1-Dichloroethene	20	18.3	ug/L	92			71	131	
	2-Butanone	100	88.7	ug/L	89			56	143	
	Carbon Tetrachloride	20	18.9	ug/L	95			72	136	
	Chloroform	20	19.4	ug/L	97			79	124	
	Benzene	20	18.9	ug/L	95			79	120	
	1,2-Dichloroethane	20	20.4	ug/L	102			73	128	
	Trichloroethene	20	19.3	ug/L	97			79	123	
	Tetrachloroethene	20	17.9	ug/L	90			74	129	
	Chlorobenzene	20	19.3	ug/L	97			82	118	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3399 **Analytical Method:** SW8260-Low

Client: ICE Service Group, Inc. **Datafile :** VX048284.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1022WBSD01	Vinyl chloride	20	17.8	ug/L	89	8		58	137	20
	1,1-Dichloroethene	20	17.0	ug/L	85	8		71	131	20
	2-Butanone	100	88.8	ug/L	89	0		56	143	20
	Carbon Tetrachloride	20	18.3	ug/L	92	3		72	136	20
	Chloroform	20	19.2	ug/L	96	1		79	124	20
	Benzene	20	18.6	ug/L	93	2		79	120	20
	1,2-Dichloroethane	20	19.6	ug/L	98	4		73	128	20
	Trichloroethene	20	18.8	ug/L	94	3		79	123	20
	Tetrachloroethene	20	18.3	ug/L	92	2		74	129	20
	Chlorobenzene	20	19.1	ug/L	96	1		82	118	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3399 **Analytical Method:** SW8260-Low

Client: ICE Service Group, Inc. **Datafile :** VX048341.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1024WBS01	Vinyl chloride	20	27.8	ug/L	139		*	58	137	
	1,1-Dichloroethene	20	20.7	ug/L	104			71	131	
	2-Butanone	100	84.6	ug/L	85			56	143	
	Carbon Tetrachloride	20	18.5	ug/L	93			72	136	
	Chloroform	20	20.8	ug/L	104			79	124	
	Benzene	20	20.2	ug/L	101			79	120	
	1,2-Dichloroethane	20	21.0	ug/L	105			73	128	
	Trichloroethene	20	19.2	ug/L	96			79	123	
	Tetrachloroethene	20	20.9	ug/L	104			74	129	
	Chlorobenzene	20	19.8	ug/L	99			82	118	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1022WBL01

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3399

Lab File ID: VX048282.D Lab Sample ID: VX1022WBL01

Date Analyzed: 10/22/2025 Time Analyzed: 09:26

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1022WBS01	VX1022WBS01	VX048283.D	10/22/2025
VX1022WBSD01	VX1022WBSD01	VX048284.D	10/22/2025
COMP-ROLLOFF	Q3399-04	VX048300.D	10/22/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1024WBL01

Lab Name: Alliance | Contract: ICES02

Lab Code: ACE | SDG NO.: Q3399

Lab File ID: VX048340.D | Lab Sample ID: VX1024WBL01

Date Analyzed: 10/24/2025 | Time Analyzed: 09:48

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1024WBS01	VX1024WBS01	VX048341.D	10/24/2025
COMP-ROLLOFFRE	Q3399-04RE	VX048343.D	10/24/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ICES02

Lab Code: ACE | SDG NO.: Q3399

Lab File ID: VX048226.D | BFB Injection Date: 10/20/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:15

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	76.5
175	5.0 - 9.0% of mass 174	5.8 (7.5) 1
176	95.0 - 101.0% of mass 174	73.8 (96.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 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
VSTDICC001	VSTDICC001	VX048229.D	10/20/2025	10:59
VSTDICC020	VSTDICC020	VX048231.D	10/20/2025	11:40
VSTDICCC050	VSTDICCC050	VX048232.D	10/20/2025	12:01
VSTDICC100	VSTDICC100	VX048233.D	10/20/2025	12:22
VSTDICC150	VSTDICC150	VX048234.D	10/20/2025	12:43
VSTDICC005	VSTDICC005	VX048236.D	10/20/2025	13:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ICES02

Lab Code: ACE | SDG NO.: Q3399

Lab File ID: VX048279.D | BFB Injection Date: 10/22/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:07

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	53.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	77.5
175	5.0 - 9.0% of mass 174	6.4 (8.3) 1
176	95.0 - 101.0% of mass 174	73.9 (95.4) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 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	VX048280.D	10/22/2025	08:37
VX1022WBL01	VX1022WBL01	VX048282.D	10/22/2025	09:26
VX1022WBS01	VX1022WBS01	VX048283.D	10/22/2025	09:53
VX1022WBSD01	VX1022WBSD01	VX048284.D	10/22/2025	10:18
COMP-ROLLOFF	Q3399-04	VX048300.D	10/22/2025	15:50
VSTDCCC050EC	VSTDCCC050	VX048308.D	10/22/2025	18:36

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ICES02

Lab Code: ACE | SDG NO.: Q3399

Lab File ID: VX048338.D | BFB Injection Date: 10/24/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:19

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.2
75	30.0 - 60.0% of mass 95	54.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.8
175	5.0 - 9.0% of mass 174	5.6 (7.8) 1
176	95.0 - 101.0% of mass 174	71.6 (98.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 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	VX048339.D	10/24/2025	09:16
VX1024WBL01	VX1024WBL01	VX048340.D	10/24/2025	09:48
VX1024WBS01	VX1024WBS01	VX048341.D	10/24/2025	10:15
COMP-ROLLOFFRE	Q3399-04RE	VX048343.D	10/24/2025	11:03
VSTDCCC050EC	VSTDCCC050	VX048353.D	10/24/2025	15:49

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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: VX048280.D Date Analyzed: 10/22/2025

Instrument ID: MSVOA_X Time Analyzed: 08:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	112883	5.53	171616	6.74	151325	10.04
UPPER LIMIT	225766	6.031	343232	7.239	302650	10.537
LOWER LIMIT	56441.5	5.031	85808	6.239	75662.5	9.537
EPA SAMPLE NO.						
COMP-ROLLOFF	155579	5.54	306649	6.75	274083	10.04
VX1022WBL01	97887	5.54	185129	6.75	199062	10.04
VX1022WBS01	115938	5.54	185153	6.75	172449	10.04
VX1022WBSD01	120104	5.53	195961	6.75	180624	10.04

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: VX048280.D Date Analyzed: 10/22/2025

Instrument ID: MSVOA_X Time Analyzed: 08:37

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	76595	12				
UPPER LIMIT	153190	12.5				
LOWER LIMIT	38297.5	11.5				
EPA SAMPLE NO.						
COMP-ROLLOFF	141254	12.01				
VX1022WBL01	99844	12.01				
VX1022WBS01	91086	12.01				
VX1022WBSD01	92297	12.01				

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG NO.: Q3399

Lab File ID: VX048339.D Date Analyzed: 10/24/2025

Instrument ID: MSVOA_X Time Analyzed: 09:16

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	125053	5.53	210685	6.74	187763	10.04
UPPER LIMIT	250106	6.031	421370	7.239	375526	10.537
LOWER LIMIT	62526.5	5.031	105343	6.239	93881.5	9.537
EPA SAMPLE NO.						
COMP-ROLLOFFRE	137283	5.54	270507	6.75	270324	10.04
VX1024WBL01	90540	5.53	176490	6.74	165587	10.04
VX1024WBS01	145979	5.53	238661	6.74	208902	10.04

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: VX048339.D Date Analyzed: 10/24/2025

Instrument ID: MSVOA_X Time Analyzed: 09:16

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	93479	12.006				
UPPER LIMIT	186958	12.506				
LOWER LIMIT	46739.5	11.506				
EPA SAMPLE NO.						
COMP-ROLLOFFRE	123520	12.01				
VX1024WBL01	72164	12.01				
VX1024WBS01	103563	12.01				

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
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:	VX1022WBL01	SDG No.:	Q3399
Lab Sample ID:	VX1022WBL01	Matrix:	TCLP
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/22/25 09:26	VX102225
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/22/25 09:26	VX102225
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/22/25 09:26	VX102225
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/22/25 09:26	VX102225
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/22/25 09:26	VX102225
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/22/25 09:26	VX102225
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/22/25 09:26	VX102225
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/22/25 09:26	VX102225
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/22/25 09:26	VX102225
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/22/25 09:26	VX102225
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	50.7			81 - 118		101%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.1			80 - 119		98%	SPK: 50		
2037-26-5	Toluene-d8	47.7			89 - 112		95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.5			85 - 114		109%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	97900								
540-36-3	1,4-Difluorobenzene	185000								
3114-55-4	Chlorobenzene-d5	199000								
3855-82-1	1,4-Dichlorobenzene-d4	99800								

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
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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:	VX1024WBL01	SDG No.:	Q3399
Lab Sample ID:	VX1024WBL01	Matrix:	TCLP
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	0.75	U	1	0.26	0.75	1.00	ug/L	10/24/25 09:48	VX102425
75-35-4	1,1-Dichloroethene	0.75	U	1	0.23	0.75	1.00	ug/L	10/24/25 09:48	VX102425
78-93-3	2-Butanone	2.50	U	1	0.98	2.50	5.00	ug/L	10/24/25 09:48	VX102425
56-23-5	Carbon Tetrachloride	0.50	U	1	0.25	0.50	1.00	ug/L	10/24/25 09:48	VX102425
67-66-3	Chloroform	0.50	U	1	0.25	0.50	1.00	ug/L	10/24/25 09:48	VX102425
71-43-2	Benzene	0.50	U	1	0.15	0.50	1.00	ug/L	10/24/25 09:48	VX102425
107-06-2	1,2-Dichloroethane	0.50	U	1	0.22	0.50	1.00	ug/L	10/24/25 09:48	VX102425
79-01-6	Trichloroethene	0.75	U	1	0.090	0.75	1.00	ug/L	10/24/25 09:48	VX102425
127-18-4	Tetrachloroethene	0.50	U	1	0.23	0.50	1.00	ug/L	10/24/25 09:48	VX102425
108-90-7	Chlorobenzene	0.50	U	1	0.12	0.50	1.00	ug/L	10/24/25 09:48	VX102425
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	52.2			81 - 118		104%	SPK: 50		
1868-53-7	Dibromofluoromethane	39.0	*		80 - 119		78%	SPK: 50		
2037-26-5	Toluene-d8	43.1	*		89 - 112		86%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.7			85 - 114		85%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	90500								
540-36-3	1,4-Difluorobenzene	176000								
3114-55-4	Chlorobenzene-d5	166000								
3855-82-1	1,4-Dichlorobenzene-d4	72200								

U = Not Detected
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N = Presumptive Evidence of a Compound
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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:	VX1022WBS01	SDG No.:	Q3399
Lab Sample ID:	VX1022WBS01	Matrix:	TCLP
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	16.4		1	0.26	0.75	1.00	ug/L	10/22/25 09:53	VX102225
75-35-4	1,1-Dichloroethene	18.3		1	0.23	0.75	1.00	ug/L	10/22/25 09:53	VX102225
78-93-3	2-Butanone	88.7		1	0.98	2.50	5.00	ug/L	10/22/25 09:53	VX102225
56-23-5	Carbon Tetrachloride	18.9		1	0.25	0.50	1.00	ug/L	10/22/25 09:53	VX102225
67-66-3	Chloroform	19.4		1	0.25	0.50	1.00	ug/L	10/22/25 09:53	VX102225
71-43-2	Benzene	18.9		1	0.15	0.50	1.00	ug/L	10/22/25 09:53	VX102225
107-06-2	1,2-Dichloroethane	20.4		1	0.22	0.50	1.00	ug/L	10/22/25 09:53	VX102225
79-01-6	Trichloroethene	19.3		1	0.090	0.75	1.00	ug/L	10/22/25 09:53	VX102225
127-18-4	Tetrachloroethene	17.9		1	0.23	0.50	1.00	ug/L	10/22/25 09:53	VX102225
108-90-7	Chlorobenzene	19.3		1	0.12	0.50	1.00	ug/L	10/22/25 09:53	VX102225
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	50.2			81 - 118		100%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			80 - 119		102%	SPK: 50		
2037-26-5	Toluene-d8	50.7			89 - 112		101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.4			85 - 114		105%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	116000								
540-36-3	1,4-Difluorobenzene	185000								
3114-55-4	Chlorobenzene-d5	172000								
3855-82-1	1,4-Dichlorobenzene-d4	91100								

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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:	VX1024WBS01	SDG No.:	Q3399
Lab Sample ID:	VX1024WBS01	Matrix:	TCLP
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	27.8		1	0.26	0.75	1.00	ug/L	10/24/25 10:15	VX102425
75-35-4	1,1-Dichloroethene	20.7		1	0.23	0.75	1.00	ug/L	10/24/25 10:15	VX102425
78-93-3	2-Butanone	84.6		1	0.98	2.50	5.00	ug/L	10/24/25 10:15	VX102425
56-23-5	Carbon Tetrachloride	18.5		1	0.25	0.50	1.00	ug/L	10/24/25 10:15	VX102425
67-66-3	Chloroform	20.8		1	0.25	0.50	1.00	ug/L	10/24/25 10:15	VX102425
71-43-2	Benzene	20.2		1	0.15	0.50	1.00	ug/L	10/24/25 10:15	VX102425
107-06-2	1,2-Dichloroethane	21.0		1	0.22	0.50	1.00	ug/L	10/24/25 10:15	VX102425
79-01-6	Trichloroethene	19.2		1	0.090	0.75	1.00	ug/L	10/24/25 10:15	VX102425
127-18-4	Tetrachloroethene	20.9		1	0.23	0.50	1.00	ug/L	10/24/25 10:15	VX102425
108-90-7	Chlorobenzene	19.8		1	0.12	0.50	1.00	ug/L	10/24/25 10:15	VX102425
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	51.3			81 - 118		103%	SPK: 50		
1868-53-7	Dibromofluoromethane	41.6			80 - 119		83%	SPK: 50		
2037-26-5	Toluene-d8	49.6			89 - 112		99%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			85 - 114		97%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	146000								
540-36-3	1,4-Difluorobenzene	239000								
3114-55-4	Chlorobenzene-d5	209000								
3855-82-1	1,4-Dichlorobenzene-d4	104000								

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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:	VX1022WBSD01	SDG No.:	Q3399
Lab Sample ID:	VX1022WBSD01	Matrix:	TCLP
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS										
75-01-4	Vinyl Chloride	17.8		1	0.26	0.75	1.00	ug/L	10/22/25 10:18	VX102225
75-35-4	1,1-Dichloroethene	17.0		1	0.23	0.75	1.00	ug/L	10/22/25 10:18	VX102225
78-93-3	2-Butanone	88.8		1	0.98	2.50	5.00	ug/L	10/22/25 10:18	VX102225
56-23-5	Carbon Tetrachloride	18.3		1	0.25	0.50	1.00	ug/L	10/22/25 10:18	VX102225
67-66-3	Chloroform	19.2		1	0.25	0.50	1.00	ug/L	10/22/25 10:18	VX102225
71-43-2	Benzene	18.6		1	0.15	0.50	1.00	ug/L	10/22/25 10:18	VX102225
107-06-2	1,2-Dichloroethane	19.6		1	0.22	0.50	1.00	ug/L	10/22/25 10:18	VX102225
79-01-6	Trichloroethene	18.8		1	0.090	0.75	1.00	ug/L	10/22/25 10:18	VX102225
127-18-4	Tetrachloroethene	18.3		1	0.23	0.50	1.00	ug/L	10/22/25 10:18	VX102225
108-90-7	Chlorobenzene	19.1		1	0.12	0.50	1.00	ug/L	10/22/25 10:18	VX102225
SURROGATES										
17060-07-0	1,2-Dichloroethane-d4	49.3			81 - 118		99%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.3			80 - 119		99%	SPK: 50		
2037-26-5	Toluene-d8	49.2			89 - 112		98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.4			85 - 114		99%	SPK: 50		
INTERNAL STANDARDS		**Area Count**								
363-72-4	Pentafluorobenzene	120000								
540-36-3	1,4-Difluorobenzene	196000								
3114-55-4	Chlorobenzene-d5	181000								
3855-82-1	1,4-Dichlorobenzene-d4	92300								

U = Not Detected
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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_X Calibration Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:59 13:49

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX048229.D RRF020 = VX048231.D RRF050 = VX048232.D
RRF100 = VX048233.D RRF150 = VX048234.D RRF005 = VX048236.D

COMPOUND	RRF001	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Vinyl Chloride	0.447	0.437	0.416	0.462	0.445	0.458	0.444	3.7
1,1-Dichloroethene	0.515	0.548	0.485	0.558	0.531	0.514	0.525	5
2-Butanone	0.311	0.329	0.281	0.301	0.290	0.315	0.304	5.7
Carbon Tetrachloride	0.650	0.594	0.553	0.604	0.567	0.622	0.599	5.9
Chloroform	1.147	1.208	1.046	1.127	1.067	1.143	1.123	5.2
Benzene	1.493	1.480	1.301	1.426	1.347	1.405	1.409	5.3
1,2-Dichloroethane	0.529	0.566	0.500	0.528	0.496	0.499	0.520	5.2
Trichloroethene	0.400	0.373	0.348	0.380	0.363	0.366	0.372	4.7
Tetrachloroethene	0.418	0.378	0.328	0.370	0.361	0.385	0.373	7.9
Chlorobenzene	1.149	1.159	1.045	1.148	1.102	1.145	1.125	3.9
1,2-Dichloroethane-d4		0.709	0.682	0.690	0.698	0.725	0.701	2.4
Dibromofluoromethane		0.345	0.330	0.346	0.348	0.338	0.341	2.2
Toluene-d8		1.185	1.185	1.196	1.195	1.221	1.196	1.2
4-Bromofluorobenzene		0.445	0.444	0.446	0.441	0.500	0.455	5.5

* 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.

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG No.: Q3399

Instrument ID: MSVOA_X Calibration Date/Time: 10/22/2025 08:37

Lab File ID: VX048280.D Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 13:49

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.444	0.420		-5.41	20
1,1-Dichloroethene	0.525	0.556		5.91	20
2-Butanone	0.304	0.297		-2.3	20
Carbon Tetrachloride	0.599	0.685		14.36	20
Chloroform	1.123	1.158		3.12	20
Benzene	1.409	1.476		4.76	20
1,2-Dichloroethane	0.520	0.586		12.69	20
Trichloroethene	0.372	0.403		8.33	20
Tetrachloroethene	0.373	0.399		6.97	20
Chlorobenzene	1.125	1.207	0.3	7.29	20
1,2-Dichloroethane-d4	0.701	0.677		-3.42	20
Dibromofluoromethane	0.341	0.353		3.52	20
Toluene-d8	1.196	1.188		-0.67	20
4-Bromofluorobenzene	0.455	0.440		-3.3	20

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_X Calibration Date/Time: 10/22/2025 18:36

Lab File ID: VX048308.D Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 13:49

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.444	0.551		24.1	50
1,1-Dichloroethene	0.525	0.380		-27.62	50
2-Butanone	0.304	0.276		-9.21	50
Carbon Tetrachloride	0.599	0.488		-18.53	50
Chloroform	1.123	1.031		-8.19	50
Benzene	1.409	1.296		-8.02	50
1,2-Dichloroethane	0.520	0.475		-8.65	50
Trichloroethene	0.372	0.354		-4.84	50
Tetrachloroethene	0.373	0.382		2.41	50
Chlorobenzene	1.125	1.011	0.3	-10.13	50
1,2-Dichloroethane-d4	0.701	0.593		-15.41	50
Dibromofluoromethane	0.341	0.295		-13.49	50
Toluene-d8	1.196	1.171		-2.09	50
4-Bromofluorobenzene	0.455	0.303		-33.41	50

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_X Calibration Date/Time: 10/24/2025 09:16

Lab File ID: VX048339.D Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 13:49

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.444	0.627		41.22	20
1,1-Dichloroethene	0.525	0.572		8.95	20
2-Butanone	0.304	0.271		-10.85	20
Carbon Tetrachloride	0.599	0.550		-8.18	20
Chloroform	1.123	1.261		12.29	20
Benzene	1.409	1.480		5.04	20
1,2-Dichloroethane	0.520	0.592		13.85	20
Trichloroethene	0.372	0.374		0.54	20
Tetrachloroethene	0.373	0.372		-0.27	20
Chlorobenzene	1.125	1.142	0.3	1.51	20
1,2-Dichloroethane-d4	0.701	0.754		7.56	20
Dibromofluoromethane	0.341	0.277		-18.77	20
Toluene-d8	1.196	1.133		-5.27	20
4-Bromofluorobenzene	0.455	0.434		-4.61	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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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ICES02

Lab Code: ACE SDG No.: Q3399

Instrument ID: MSVOA_X Calibration Date/Time: 10/24/2025 15:49

Lab File ID: VX048353.D Init. Calib. Date(s): 10/20/2025 10/20/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:59 13:49

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.444	0.606		36.49	50
1,1-Dichloroethene	0.525	0.541		3.05	50
2-Butanone	0.304	0.265		-12.83	50
Carbon Tetrachloride	0.599	0.525		-12.35	50
Chloroform	1.123	1.134		0.98	50
Benzene	1.409	1.352		-4.05	50
1,2-Dichloroethane	0.520	0.518		-0.38	50
Trichloroethene	0.372	0.346		-6.99	50
Tetrachloroethene	0.373	0.355		-4.83	50
Chlorobenzene	1.125	1.054	0.3	-6.31	50
1,2-Dichloroethane-d4	0.701	0.681		-2.85	50
Dibromofluoromethane	0.341	0.269		-21.11	50
Toluene-d8	1.196	1.117		-6.61	50
4-Bromofluorobenzene	0.455	0.412		-9.45	50

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