

LAB CHRONICLE

OrderID:	Q3349	OrderDate:	10/15/2025 9:30:00 AM
Client:	Core Environmental Consultants and Services, Inc.	Project:	NYPA PURS Station
Contact:	Roland Scardino	Location:	J31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3349-01	PURS Station	TCLP	TCLP VOA	8260D	10/13/25		10/17/25	10/14/25



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

Hit Summary Sheet
SW-846

SDG No.: Q3349

Client: Core Environmental Consultants and Services, Inc.

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

0

Total Voc :

Total Concentration:

A
B
C
D
E
F
G



SAMPLE DATA

Report of Analysis

Client: Core Environmental Consultants and Services, Inc.
Project: NYPA PURS Station
Client Sample ID: PURS Station
Lab Sample ID: Q3349-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected: 10/13/25
Date Received: 10/14/25
SDG No.: Q3349
Matrix: TCLP
% Solid: 0
Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	130	U	500	130	2500	ug/L	10/17/25 19:19	VX101725
75-35-4	1,1-Dichloroethene	120	U	500	120	2500	ug/L	10/17/25 19:19	VX101725
78-93-3	2-Butanone	490	U	500	490	12500	ug/L	10/17/25 19:19	VX101725
56-23-5	Carbon Tetrachloride	130	U	500	130	2500	ug/L	10/17/25 19:19	VX101725
67-66-3	Chloroform	130	U	500	130	2500	ug/L	10/17/25 19:19	VX101725
71-43-2	Benzene	75.0	U	500	75.0	2500	ug/L	10/17/25 19:19	VX101725
107-06-2	1,2-Dichloroethane	110	U	500	110	2500	ug/L	10/17/25 19:19	VX101725
79-01-6	Trichloroethene	46.5	U	500	46.5	2500	ug/L	10/17/25 19:19	VX101725
127-18-4	Tetrachloroethene	120	U	500	120	2500	ug/L	10/17/25 19:19	VX101725
108-90-7	Chlorobenzene	60.0	U	500	60.0	2500	ug/L	10/17/25 19:19	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.1			74 - 125	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	53.3			75 - 124	107%	SPK: 50		
2037-26-5	Toluene-d8	49.8			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	62.8	*		77 - 121	126%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	84600							
540-36-3	1,4-Difluorobenzene	170000							
3114-55-4	Chlorobenzene-d5	185000							
3855-82-1	1,4-Dichlorobenzene-d4	102000							

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

Surrogate Summary

SDG No.: Q3349

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3349-01	PURS Station	1,2-Dichloroethane-d4	50	57.1	114		74	125
		Dibromofluoromethane	50	53.3	107		75	124
		Toluene-d8	50	49.8	100		86	113
		4-Bromofluorobenzene	50	62.8	126	*	77	121

Surrogate Summary

SDG No.: Q3349

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VX1017WBL01	VX1017WBL01	1,2-Dichloroethane-d4	50	53.1	106		74	125
		Dibromofluoromethane	50	51.2	102		75	124
		Toluene-d8	50	50.0	100		86	113
		4-Bromofluorobenzene	50	59.1	118		77	121
VX1017WBS01	VX1017WBS01	1,2-Dichloroethane-d4	50	43.7	87		74	125
		Dibromofluoromethane	50	51.2	102		75	124
		Toluene-d8	50	48.1	96		86	113
		4-Bromofluorobenzene	50	47.9	96		77	121
VX1017WBSD0	VX1017WBSD01	1,2-Dichloroethane-d4	50	45.5	91		74	125
		Dibromofluoromethane	50	50.6	101		75	124
		Toluene-d8	50	47.7	95		86	113
		4-Bromofluorobenzene	50	48.3	97		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3349</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Core Environmental Consultants and</u>	Datafile :	<u>VX048209.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX1017WBS01	Vinyl chloride	20	18.7	ug/L	94			65	117	
	1,1-Dichloroethene	20	19.1	ug/L	96			74	110	
	2-Butanone	100	95.3	ug/L	95			65	122	
	Carbon Tetrachloride	20	19.9	ug/L	100			77	113	
	Chloroform	20	18.2	ug/L	91			79	113	
	Benzene	20	19.5	ug/L	98			82	109	
	1,2-Dichloroethane	20	19.9	ug/L	100			80	115	
	Trichloroethene	20	19.5	ug/L	98			77	113	
	Tetrachloroethene	20	18.9	ug/L	95			67	123	
	Chlorobenzene	20	19.3	ug/L	97			82	109	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3349</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Core Environmental Consultants and</u>	Datafile :	<u>VX048210.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits	RPD
									High	
VX1017WBSD01	Vinyl chloride	20	18.5	ug/L	93	1		65	117	19
	1,1-Dichloroethene	20	18.5	ug/L	93	3		74	110	20
	2-Butanone	100	96.7	ug/L	97	2		65	122	26
	Carbon Tetrachloride	20	19.7	ug/L	99	1		77	113	15
	Chloroform	20	18.5	ug/L	93	2		79	113	20
	Benzene	20	19.2	ug/L	96	2		82	109	15
	1,2-Dichloroethane	20	20.5	ug/L	103	3		80	115	20
	Trichloroethene	20	18.5	ug/L	93	5		77	113	15
	Tetrachloroethene	20	18.9	ug/L	95	0		67	123	15
	Chlorobenzene	20	19.3	ug/L	97	0		82	109	15

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1017WBL01

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q3349

Lab File ID: VX048207.D

Lab Sample ID: VX1017WBL01

Date Analyzed: 10/17/2025

Time Analyzed: 13:15

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
VX1017WBS01	VX1017WBS01	VX048209.D	10/17/2025
VX1017WBSD01	VX1017WBSD01	VX048210.D	10/17/2025
PURS Station	Q3349-01	VX048224.D	10/17/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: CORE02

Lab Code: ACE

SDG NO.: Q3349

Lab File ID: VX048197.D

BFB Injection Date: 10/17/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:17

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	20.5
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	71.6
175	5.0 - 9.0% of mass 174	5.3 (7.4) 1
176	95.0 - 101.0% of mass 174	68.1 (95.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 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
VSTDIC001	VSTDIC001	VX048198.D	10/17/2025	08:45
VSTDIC005	VSTDIC005	VX048199.D	10/17/2025	09:14
VSTDIC020	VSTDIC020	VX048200.D	10/17/2025	09:35
VSTDIC050	VSTDIC050	VX048201.D	10/17/2025	09:55
VSTDIC100	VSTDIC100	VX048202.D	10/17/2025	10:16
VSTDIC150	VSTDIC150	VX048203.D	10/17/2025	10:36
VX1017WBL01	VX1017WBL01	VX048207.D	10/17/2025	13:15
VX1017WBS01	VX1017WBS01	VX048209.D	10/17/2025	14:03
VX1017WBSD01	VX1017WBSD01	VX048210.D	10/17/2025	14:30
PURS Station	Q3349-01	VX048224.D	10/17/2025	19:19

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CORE02
Lab Code: ACE SDG NO.: Q3349
Lab File ID: VX048201.D Date Analyzed: 10/17/2025
Instrument ID: MSVOA_X Time Analyzed: 09:55
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	144905	5.54	233738	6.75	208719	10.04
UPPER LIMIT	289810	6.044	467476	7.245	417438	10.537
LOWER LIMIT	72452.5	5.044	116869	6.245	104360	9.537
EPA SAMPLE NO.						
PURS Station	84578	5.54	169663	6.75	184791	10.04
VX1017WBL01	129436	5.54	259480	6.75	275267	10.04
VX1017WBS01	157010	5.54	248908	6.75	238012	10.04
VX1017WBSD01	149269	5.53	237242	6.75	228640	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>CORE02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3349</u>
Lab File ID:	<u>VX048201.D</u>	Date Analyzed:	<u>10/17/2025</u>
Instrument ID:	<u>MSVOA_X</u>	Time Analyzed:	<u>09:55</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	103673	12.00€				
UPPER LIMIT	207346	12.50€				
LOWER LIMIT	51836.5	11.50€				
EPA SAMPLE NO.						
PURS Station	101794	12.01				
VX1017WBL01	138959	12.01				
VX1017WBS01	112861	12.01				
VX1017WBSD01	106057	12.00				

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

Report of Analysis

Client: Core Environmental Consultants and Services, Inc.
Project: NYPA PURS Station
Client Sample ID: VX1017WBL01
Lab Sample ID: VX1017WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3349
Matrix: TCLP
% Solid: 0
Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	10/17/25 13:15	VX101725
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 13:15	VX101725
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	10/17/25 13:15	VX101725
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	10/17/25 13:15	VX101725
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	10/17/25 13:15	VX101725
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	10/17/25 13:15	VX101725
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	10/17/25 13:15	VX101725
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	10/17/25 13:15	VX101725
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	10/17/25 13:15	VX101725
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	10/17/25 13:15	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.1			74 - 125	106%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			75 - 124	102%	SPK: 50		
2037-26-5	Toluene-d8	50.0			86 - 113	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.1			77 - 121	118%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	129000							
540-36-3	1,4-Difluorobenzene	259000							
3114-55-4	Chlorobenzene-d5	275000							
3855-82-1	1,4-Dichlorobenzene-d4	139000							

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

Report of Analysis

Client: Core Environmental Consultants and Services, Inc.
Project: NYPA PURS Station
Client Sample ID: VX1017WBS01
Lab Sample ID: VX1017WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3349
Matrix: TCLP
% Solid: 0
Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	18.7		1	0.26	1.00	ug/L	10/17/25 14:03	VX101725
75-35-4	1,1-Dichloroethene	19.1		1	0.23	1.00	ug/L	10/17/25 14:03	VX101725
78-93-3	2-Butanone	95.3		1	0.98	5.00	ug/L	10/17/25 14:03	VX101725
56-23-5	Carbon Tetrachloride	19.9		1	0.25	1.00	ug/L	10/17/25 14:03	VX101725
67-66-3	Chloroform	18.2		1	0.25	1.00	ug/L	10/17/25 14:03	VX101725
71-43-2	Benzene	19.5		1	0.15	1.00	ug/L	10/17/25 14:03	VX101725
107-06-2	1,2-Dichloroethane	19.9		1	0.22	1.00	ug/L	10/17/25 14:03	VX101725
79-01-6	Trichloroethene	19.5		1	0.090	1.00	ug/L	10/17/25 14:03	VX101725
127-18-4	Tetrachloroethene	18.9		1	0.23	1.00	ug/L	10/17/25 14:03	VX101725
108-90-7	Chlorobenzene	19.3		1	0.12	1.00	ug/L	10/17/25 14:03	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	43.7			74 - 125	87%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.2			75 - 124	102%	SPK: 50		
2037-26-5	Toluene-d8	48.1			86 - 113	96%	SPK: 50		
460-00-4	4-Bromofluorobenzene	47.9			77 - 121	96%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	157000							
540-36-3	1,4-Difluorobenzene	249000							
3114-55-4	Chlorobenzene-d5	238000							
3855-82-1	1,4-Dichlorobenzene-d4	113000							

U = Not Detected

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

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A = Aldol-Condensation Reaction Products

Report of Analysis

Client: Core Environmental Consultants and Services, Inc.
Project: NYPA PURS Station
Client Sample ID: VX1017WBSD01
Lab Sample ID: VX1017WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level : LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3349
Matrix: TCLP
% Solid: 0
Test: TCLP VOA

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-01-4	Vinyl Chloride	18.5		1	0.26	1.00	ug/L	10/17/25 14:30	VX101725
75-35-4	1,1-Dichloroethene	18.5		1	0.23	1.00	ug/L	10/17/25 14:30	VX101725
78-93-3	2-Butanone	96.7		1	0.98	5.00	ug/L	10/17/25 14:30	VX101725
56-23-5	Carbon Tetrachloride	19.7		1	0.25	1.00	ug/L	10/17/25 14:30	VX101725
67-66-3	Chloroform	18.5		1	0.25	1.00	ug/L	10/17/25 14:30	VX101725
71-43-2	Benzene	19.2		1	0.15	1.00	ug/L	10/17/25 14:30	VX101725
107-06-2	1,2-Dichloroethane	20.5		1	0.22	1.00	ug/L	10/17/25 14:30	VX101725
79-01-6	Trichloroethene	18.5		1	0.090	1.00	ug/L	10/17/25 14:30	VX101725
127-18-4	Tetrachloroethene	18.9		1	0.23	1.00	ug/L	10/17/25 14:30	VX101725
108-90-7	Chlorobenzene	19.3		1	0.12	1.00	ug/L	10/17/25 14:30	VX101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	45.5			74 - 125	91%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.6			75 - 124	101%	SPK: 50		
2037-26-5	Toluene-d8	47.7			86 - 113	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.3			77 - 121	97%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	149000							
540-36-3	1,4-Difluorobenzene	237000							
3114-55-4	Chlorobenzene-d5	229000							
3855-82-1	1,4-Dichlorobenzene-d4	106000							

U = Not Detected

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D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>CORE02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3349</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>10/17/2025</u> <u>10/17/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>08:45</u> <u>10:36</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VX048198.D		RRF005 = VX048199.D		RRF020 = VX048200.D		
		RRF050 = VX048201.D		RRF100 = VX048202.D		RRF150 = VX048203.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Vinyl Chloride	0.633	0.705	0.602	0.673	0.690	0.716	0.670	6.6
1,1-Dichloroethene	0.599	0.577	0.519	0.569	0.598	0.615	0.579	5.9
2-Butanone	0.275	0.312	0.291	0.314	0.323	0.331	0.308	6.8
Carbon Tetrachloride	0.652	0.593	0.507	0.575	0.540	0.499	0.561	10.3
Chloroform	1.240	1.331	1.133	1.166	1.202	1.242	1.219	5.7
Benzene	1.460	1.511	1.325	1.497	1.483	1.433	1.452	4.7
1,2-Dichloroethane	0.506	0.564	0.495	0.546	0.501	0.508	0.520	5.4
Trichloroethene	0.372	0.374	0.346	0.367	0.378	0.358	0.366	3.3
Tetrachloroethene	0.427	0.337	0.317	0.350	0.341	0.331	0.351	11.1
Chlorobenzene	1.099	1.113	1.015	1.125	1.113	1.095	1.093	3.6
1,2-Dichloroethane-d4		0.862	0.746	0.732	0.756	0.778	0.775	6.6
Dibromofluoromethane		0.373	0.341	0.342	0.347	0.332	0.347	4.5
Toluene-d8		1.311	1.188	1.262	1.224	1.265	1.250	3.7
4-Bromofluorobenzene		0.482	0.429	0.450	0.445	0.470	0.455	4.6

* 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.