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

LAB CHRONICLE

OrderID:	Q3312	**OrderDate:**	10/8/2025 1:35:00 PM
Client:	Core Environmental Consultants and Services, Inc.	**Project:**	The Wills Building
Contact:	Roland Scardino	**Location:**	VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3312-01	**362Kingsland-001S**	**Water**			**10/08/25**			**10/08/25**
			VOC-BTEX	8260-Low			10/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3312

Client: Core Environmental Consultants and Services, Inc.

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

0

Total Voc :

Total Concentration:

SAMPLE DATA

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	10/08/25
Project:	The Wills Building	Date Received:	10/08/25
Client Sample ID:	362Kingsland-001S	SDG No.:	Q3312
Lab Sample ID:	Q3312-01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-BTEX

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
71-43-2	Benzene	1.00	U	1	0.15	1.00	ug/L	10/14/25 16:56	VX101425
108-88-3	Toluene	1.00	U	1	0.14	1.00	ug/L	10/14/25 16:56	VX101425
100-41-4	Ethyl Benzene	1.00	U	1	0.13	1.00	ug/L	10/14/25 16:56	VX101425
179601-23-1	m/p-Xylenes	2.00	U	1	0.24	2.00	ug/L	10/14/25 16:56	VX101425
95-47-6	o-Xylene	1.00	U	1	0.12	1.00	ug/L	10/14/25 16:56	VX101425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	53.3			74 - 125	107%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.2			75 - 124	110%	SPK: 50		
2037-26-5	Toluene-d8	53.0			86 - 113	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	59.6			77 - 121	119%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	116000							
540-36-3	1,4-Difluorobenzene	224000							
3114-55-4	Chlorobenzene-d5	253000							
3855-82-1	1,4-Dichlorobenzene-d4	128000							

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.: Q3312

Client: Core Environmental Consultants and Services, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3312-01	362Kingsland-001S	1,2-Dichloroethane-d4	50	53.3	107		74	125
		Dibromofluoromethane	50	55.2	110		75	124
		Toluene-d8	50	53.0	106		86	113
		4-Bromofluorobenzene	50	59.6	119		77	121
VX1014WBL01	VX1014WBL01	1,2-Dichloroethane-d4	50	55.0	110		74	125
		Dibromofluoromethane	50	52.0	104		75	124
		Toluene-d8	50	50.4	101		86	113
		4-Bromofluorobenzene	50	56.5	113		77	121
VX1014WBS01	VX1014WBS01	1,2-Dichloroethane-d4	50	42.8	86		74	125
		Dibromofluoromethane	50	52.5	105		75	124
		Toluene-d8	50	51.6	103		86	113
		4-Bromofluorobenzene	50	52.1	104		77	121
VX1014WBSD0	VX1014WBSD01	1,2-Dichloroethane-d4	50	44.3	89		74	125
		Dibromofluoromethane	50	54.1	108		75	124
		Toluene-d8	50	52.2	104		86	113
		4-Bromofluorobenzene	50	54.7	109		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3312 **Analytical Method:** SW8260-Low

Client: Core Environmental Consultants and **Datafile :** VX048156.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1014WBS01	Benzene	20	19.6	ug/L	98			82	109	
	Toluene	20	20.0	ug/L	100			82	110	
	Ethyl Benzene	20	19.2	ug/L	96			83	109	
	m/p-Xylenes	40	39.5	ug/L	99			82	110	
	o-Xylene	20	19.2	ug/L	96			83	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3312 **Analytical Method:** SW8260-Low

Client: Core Environmental Consultants and **Datafile :** VX048157.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX1014WBSD01	Benzene	20	20.3	ug/L	102	4		82	109	15
	Toluene	20	20.8	ug/L	104	4		82	110	16
	Ethyl Benzene	20	19.2	ug/L	96	0		83	109	16
	m/p-Xylenes	40	39.9	ug/L	100	1		82	110	15
	o-Xylene	20	19.3	ug/L	97	1		83	109	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX1014WBL01

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG NO.: Q3312

Lab File ID: VX048155.D Lab Sample ID: VX1014WBL01

Date Analyzed: 10/14/2025 Time Analyzed: 10:52

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
VX1014WBS01	VX1014WBS01	VX048156.D	10/14/2025
VX1014WBSD01	VX1014WBSD01	VX048157.D	10/14/2025
362Kingsland-001S	Q3312-01	VX048171.D	10/14/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q3312

Lab File ID: VX047584.D | BFB Injection Date: 09/16/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:56

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
75	30.0 - 60.0% of mass 95	54
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	67.3
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	66.3 (98.6) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDICC001	VSTDICC001	VX047585.D	09/16/2025	09:23
VSTDICC005	VSTDICC005	VX047586.D	09/16/2025	10:16
VSTDICC020	VSTDICC020	VX047587.D	09/16/2025	10:37
VSTDICCC050	VSTDICCC050	VX047588.D	09/16/2025	10:58
VSTDICC100	VSTDICC100	VX047589.D	09/16/2025	11:40
VSTDICC150	VSTDICC150	VX047590.D	09/16/2025	12:01

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: CORE02

Lab Code: ACE | SDG NO.: Q3312

Lab File ID: VX048152.D | BFB Injection Date: 10/14/2025

Instrument ID: MSVOA_X | BFB Injection Time: 09:33

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	20.6
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 (1.2) 1
174	50.0 - 100.0% of mass 95	69.1
175	5.0 - 9.0% of mass 174	5.3 (7.7) 1
176	95.0 - 101.0% of mass 174	66.7 (96.5) 1
177	5.0 - 9.0% of mass 176	4.5 (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	VX048153.D	10/14/2025	10:02
VX1014WBL01	VX1014WBL01	VX048155.D	10/14/2025	10:52
VX1014WBS01	VX1014WBS01	VX048156.D	10/14/2025	11:20
VX1014WBSD01	VX1014WBSD01	VX048157.D	10/14/2025	11:47
362Kingsland-001S	Q3312-01	VX048171.D	10/14/2025	16:56

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG NO.: Q3312

Lab File ID: VX048153.D Date Analyzed: 10/14/2025

Instrument ID: MSVOA_X Time Analyzed: 10:02

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	124958	5.53	212282	6.74	195629	10.04
UPPER LIMIT	249916	6.031	424564	7.239	391258	10.537
LOWER LIMIT	62479	5.031	106141	6.239	97814.5	9.537
EPA SAMPLE NO.						
362Kingsland-001S	116081	5.54	223818	6.75	253264	10.04
VX1014WBL01	131511	5.54	270081	6.75	285912	10.04
VX1014WBS01	142018	5.54	232029	6.75	210304	10.04
VX1014WBSD01	130530	5.53	213217	6.75	200566	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: CORE02

Lab Code: ACE SDG NO.: Q3312

Lab File ID: VX048153.D Date Analyzed: 10/14/2025

Instrument ID: MSVOA_X Time Analyzed: 10:02

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

	IS4 AREA #	RT #				
12 HOUR STD	95000	12.006				
UPPER LIMIT	190000	12.506				
LOWER LIMIT	47500	11.506				
EPA SAMPLE NO.						
362Kingsland-001S	128249	12.01				
VX1014WBL01	141849	12.01				
VX1014WBS01	112794	12.01				
VX1014WBSD01	106639	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

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Report of Analysis

Client:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	The Wills Building	Date Received:	
Client Sample ID:	VX1014WBL01	SDG No.:	Q3312
Lab Sample ID:	VX1014WBL01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-BTEX

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
71-43-2	Benzene	1.00	U	1	0.15	1.00	ug/L	10/14/25 10:52	VX101425
108-88-3	Toluene	1.00	U	1	0.14	1.00	ug/L	10/14/25 10:52	VX101425
100-41-4	Ethyl Benzene	1.00	U	1	0.13	1.00	ug/L	10/14/25 10:52	VX101425
179601-23-1	m/p-Xylenes	2.00	U	1	0.24	2.00	ug/L	10/14/25 10:52	VX101425
95-47-6	o-Xylene	1.00	U	1	0.12	1.00	ug/L	10/14/25 10:52	VX101425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.0			74 - 125	110%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.0			75 - 124	104%	SPK: 50		
2037-26-5	Toluene-d8	50.4			86 - 113	101%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.5			77 - 121	113%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	132000							
540-36-3	1,4-Difluorobenzene	270000							
3114-55-4	Chlorobenzene-d5	286000							
3855-82-1	1,4-Dichlorobenzene-d4	142000							

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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	The Wills Building	Date Received:	
Client Sample ID:	VX1014WBS01	SDG No.:	Q3312
Lab Sample ID:	VX1014WBS01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-BTEX

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
71-43-2	Benzene	19.6		1	0.15	1.00	ug/L	10/14/25 11:20	VX101425
108-88-3	Toluene	20.0		1	0.14	1.00	ug/L	10/14/25 11:20	VX101425
100-41-4	Ethyl Benzene	19.2		1	0.13	1.00	ug/L	10/14/25 11:20	VX101425
179601-23-1	m/p-Xylenes	39.5		1	0.24	2.00	ug/L	10/14/25 11:20	VX101425
95-47-6	o-Xylene	19.2		1	0.12	1.00	ug/L	10/14/25 11:20	VX101425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	42.8			74 - 125	86%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.5			75 - 124	105%	SPK: 50		
2037-26-5	Toluene-d8	51.6			86 - 113	103%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.1			77 - 121	104%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	142000							
540-36-3	1,4-Difluorobenzene	232000							
3114-55-4	Chlorobenzene-d5	210000							
3855-82-1	1,4-Dichlorobenzene-d4	113000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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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:	Core Environmental Consultants and Services, Inc.	Date Collected:	
Project:	The Wills Building	Date Received:	
Client Sample ID:	VX1014WBSD01	SDG No.:	Q3312
Lab Sample ID:	VX1014WBSD01	Matrix:	Water
Analytical Method:	8260D	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-BTEX

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
71-43-2	Benzene	20.3		1	0.15	1.00	ug/L	10/14/25 11:47	VX101425
108-88-3	Toluene	20.8		1	0.14	1.00	ug/L	10/14/25 11:47	VX101425
100-41-4	Ethyl Benzene	19.2		1	0.13	1.00	ug/L	10/14/25 11:47	VX101425
179601-23-1	m/p-Xylenes	39.9		1	0.24	2.00	ug/L	10/14/25 11:47	VX101425
95-47-6	o-Xylene	19.3		1	0.12	1.00	ug/L	10/14/25 11:47	VX101425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	44.3			74 - 125	89%	SPK: 50		
1868-53-7	Dibromofluoromethane	54.1			75 - 124	108%	SPK: 50		
2037-26-5	Toluene-d8	52.2			86 - 113	104%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.7			77 - 121	109%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	131000							
540-36-3	1,4-Difluorobenzene	213000							
3114-55-4	Chlorobenzene-d5	201000							
3855-82-1	1,4-Dichlorobenzene-d4	107000							

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,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG No.: Q3312

Instrument ID: MSVOA_X Calibration Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:23 12:01

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

LAB FILE ID: RRF001 = VX047585.D RRF005 = VX047586.D RRF020 = VX047587.D
RRF050 = VX047588.D RRF100 = VX047589.D RRF150 = VX047590.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Benzene	1.330	1.577	1.566	1.523	1.473	1.459	1.488	6.1
Toluene	0.841	0.967	0.960	0.940	0.897	0.897	0.917	5.2
Ethyl Benzene	1.625	2.077	2.049	2.039	1.996	1.973	1.960	8.6
m/p-Xylenes	0.604	0.774	0.765	0.765	0.739	0.730	0.729	8.8
o-Xylene	0.576	0.734	0.734	0.749	0.721	0.719	0.706	9.1
1,2-Dichloroethane-d4		0.884	0.647	0.770	0.815	0.863	0.796	11.8
Dibromofluoromethane		0.356	0.266	0.331	0.355	0.368	0.335	12.3
Toluene-d8		1.237	0.943	1.147	1.211	1.263	1.160	11.1
4-Bromofluorobenzene		0.478	0.360	0.427	0.452	0.484	0.440	11.4

* 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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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: CORE02

Lab Code: ACE SDG No.: Q3312

Instrument ID: MSVOA_X Calibration Date/Time: 10/14/2025 10:02

Lab File ID: VX048153.D Init. Calib. Date(s): 09/16/2025 09/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:23 12:01

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Benzene	1.488	1.679		12.84	20
Toluene	0.917	1.028		12.1	20
Ethyl Benzene	1.960	2.162		10.31	20
m/p-Xylenes	0.729	0.814		11.66	20
o-Xylene	0.706	0.754		6.8	20
1,2-Dichloroethane-d4	0.796	0.845		6.16	20
Dibromofluoromethane	0.335	0.391		16.72	20
Toluene-d8	1.160	1.287		10.95	20
4-Bromofluorobenzene	0.440	0.491		11.59	20

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