284 Sheffield Street, Mountainside NJ 07092 Tel. 908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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

LAB CHRONICLE

OrderID:	P4780	**OrderDate:**	11/8/2024 10:42:00 AM
Client:	Chemtech Consulting Group	**Project:**	Weekly Storage Blanks
Contact:	QA Officer	**Location:**	L11,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4780-01	**Storage-Blank-SOIL-REF-6**	**Water**			**11/08/24**			**11/08/24**
			VOC- Chemtech Full	8260-Low			11/13/24	
P4780-02	**Storage-Blank-WATER-REF-5**	**Water**			**11/08/24**			**11/08/24**
			VOC- Chemtech Full	8260-Low			11/13/24	
P4780-03	**Storage-Blank-WATER-REF-4**	**Water**			**11/08/24**			**11/08/24**
			VOC- Chemtech Full	8260-Low			11/13/24	
P4780-04	**Storage-Blank-SAMPLE-MANAGEMENT**	**Water**			**11/08/24**			**11/08/24**
			VOC- Chemtech Full	8260-Low			11/13/24	

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

Hit Summary Sheet
SW-846

SDG No.: P4780

Client: Chemtech Consulting Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

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

Surrogate Summary

SDG No.: P4780

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4780-01	Storage-Blank-SOIL-REF-6	1,2-Dichloroethane-d4	50	47.9	96	74	125
		Dibromofluoromethane	50	49.5	99	75	124
		Toluene-d8	50	46.3	93	86	113
		4-Bromofluorobenzene	50	48.0	96	77	121
P4780-02	Storage-Blank-WATER-REF-5	1,2-Dichloroethane-d4	50	48.4	97	74	125
		Dibromofluoromethane	50	49.1	98	75	124
		Toluene-d8	50	47.0	94	86	113
		4-Bromofluorobenzene	50	46.3	93	77	121
P4780-03	Storage-Blank-WATER-REF-4	1,2-Dichloroethane-d4	50	48.8	98	74	125
		Dibromofluoromethane	50	48.8	98	75	124
		Toluene-d8	50	46.7	93	86	113
		4-Bromofluorobenzene	50	46.8	94	77	121
P4780-04	Storage-Blank-SAMPLE-MANAGEME	1,2-Dichloroethane-d4	50	49.3	99	74	125
		Dibromofluoromethane	50	48.2	96	75	124
		Toluene-d8	50	46.7	93	86	113
		4-Bromofluorobenzene	50	45.9	92	77	121
VN1113WBL01	VN1113WBL01	1,2-Dichloroethane-d4	50	49.5	99	74	125
		Dibromofluoromethane	50	50.0	100	75	124
		Toluene-d8	50	46.6	93	86	113
		4-Bromofluorobenzene	50	45.8	92	77	121
VN1113WBS01	VN1113WBS01	1,2-Dichloroethane-d4	50	46.4	93	74	125
		Dibromofluoromethane	50	49.9	100	75	124
		Toluene-d8	50	49.2	98	86	113
		4-Bromofluorobenzene	50	51.2	102	77	121
VN1113WBSD0	VN1113WBSD01	1,2-Dichloroethane-d4	50	45.4	91	74	125
		Dibromofluoromethane	50	48.6	97	75	124
		Toluene-d8	50	47.8	96	86	113
		4-Bromofluorobenzene	50	51.0	102	77	121

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4780

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN084822.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBS01	Dichlorodifluoromethane	20	17.7	ug/L	89			69	116	
	Chloromethane	20	15.0	ug/L	75			65	116	
	Vinyl chloride	20	20.1	ug/L	101			65	117	
	Ethyl Acetate	20	18.3	ug/L	92			75	115	
	Bromomethane	20	19.6	ug/L	98			58	125	
	Chloroethane	20	20.9	ug/L	104			56	128	
	Trichlorofluoromethane	20	18.3	ug/L	92			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.4	ug/L	92			80	112	
	Tert butyl alcohol	100	88.1	ug/L	88			73	124	
	1,1-Dichloroethene	20	17.5	ug/L	88			74	110	
	Acrolein	100	67.2	ug/L	67			51	143	
	Acrylonitrile	100	88.0	ug/L	88			73	113	
	Acetone	100	89.8	ug/L	90			60	125	
	Carbon disulfide	20	15.6	ug/L	78			64	112	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			78	114	
	Methyl Acetate	20	13.3	ug/L	67			67	125	
	Methylene Chloride	20	17.5	ug/L	88			72	114	
	trans-1,2-Dichloroethene	20	17.5	ug/L	88			75	108	
	Vinyl Acetate	100	91.2	ug/L	91			76	115	
	1,1-Dichloroethane	20	18.0	ug/L	90			78	112	
	Cyclohexane	20	18.1	ug/L	91			75	110	
	2-Butanone	100	91.6	ug/L	92			65	122	
	Carbon Tetrachloride	20	20.1	ug/L	101			77	113	
	2,2-Dichloropropane	20	19.1	ug/L	96			75	116	
	cis-1,2-Dichloroethene	20	18.3	ug/L	92			77	110	
	Bromochloromethane	20	20.9	ug/L	104			70	124	
	Chloroform	20	18.9	ug/L	95			79	113	
	1,1,1-Trichloroethane	20	18.9	ug/L	95			80	108	
	Methylcyclohexane	20	19.8	ug/L	99			72	115	
	1,1-Dichloropropene	20	18.6	ug/L	93			79	110	
	Benzene	20	18.5	ug/L	93			82	109	
	1,2-Dichloroethane	20	19.0	ug/L	95			80	115	
	Trichloroethene	20	19.2	ug/L	96			77	113	
	1,2-Dichloropropane	20	19.3	ug/L	97			83	111	
	Dibromomethane	20	19.4	ug/L	97			82	110	
	Bromodichloromethane	20	19.3	ug/L	97			83	110	
	4-Methyl-2-Pentanone	100	98.0	ug/L	98			74	118	
	Toluene	20	20.0	ug/L	100			82	110	
	t-1,3-Dichloropropene	20	18.2	ug/L	91			79	110	
	cis-1,3-Dichloropropene	20	19.2	ug/L	96			82	110	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			83	112	
	1,3-Dichloropropane	20	19.0	ug/L	95			83	111	
	2-Chloroethyl vinyl ether	100	96.0	ug/L	96			75	124	
	2-Hexanone	100	99.3	ug/L	99			73	117	
	Dibromochloromethane	20	19.6	ug/L	98			82	110	
	1,2-Dibromoethane	20	19.1	ug/L	96			81	110	
	Tetrachloroethene	20	20.6	ug/L	103			67	123	
	Chlorobenzene	20	18.9	ug/L	95			82	109	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4780

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN084822.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBS01	1,1,1,2-Tetrachloroethane	20	19.7	ug/L	99			84	111	
	Hexachloroethane	20	17.2	ug/L	86			80	113	
	Ethyl Benzene	20	19.7	ug/L	99			83	109	
	m/p-Xylenes	40	39.9	ug/L	100			82	110	
	o-Xylene	20	20.9	ug/L	104			83	109	
	Styrene	20	19.8	ug/L	99			80	111	
	Bromoform	20	19.5	ug/L	98			79	109	
	Isopropylbenzene	20	19.1	ug/L	96			83	112	
	1,1,2,2-Tetrachloroethane	20	17.5	ug/L	88			76	118	
	1,2,3-Trichloropropane	20	18.5	ug/L	93			75	112	
	Bromobenzene	20	17.7	ug/L	89			77	116	
	N-propylbenzene	20	18.8	ug/L	94			83	112	
	2-Chlorotoluene	20	18.8	ug/L	94			83	110	
	1,3,5-Trimethylbenzene	20	20.1	ug/L	101			85	112	
	4-Chlorotoluene	20	17.5	ug/L	88			82	110	
	tert-Butylbenzene	20	20.3	ug/L	102			83	112	
	1,2,4-Trimethylbenzene	20	19.9	ug/L	100			85	111	
	Sec-butylbenzene	20	19.5	ug/L	98			81	114	
	p-Isopropyltoluene	20	20.2	ug/L	101			78	116	
	1,3-Dichlorobenzene	20	16.9	ug/L	85			82	108	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			82	107	
	n-Butylbenzene	20	18.2	ug/L	91			75	115	
	1,2-Dichlorobenzene	20	17.8	ug/L	89			82	109	
	1,2-Dibromo-3-Chloropropane	20	16.2	ug/L	81			68	112	
	1,2,4-Trichlorobenzene	20	16.1	ug/L	81			75	113	
	Hexachlorobutadiene	20	17.3	ug/L	86			81	121	
	Naphthalene	20	16.4	ug/L	82			78	119	
	1,2,3-Trichlorobenzene	20	15.7	ug/L	79			76	114	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4780

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN084823.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBSD01	Dichlorodifluoromethane	20	20.5	ug/L	103	15		69	116	20
	Chloromethane	20	17.0	ug/L	85	13		65	116	20
	Vinyl chloride	20	21.9	ug/L	110	9		65	117	20
	Ethyl Acetate	20	21.3	ug/L	106	14		75	115	20
	Bromomethane	20	21.4	ug/L	107	9		58	125	20
	Chloroethane	20	22.6	ug/L	113	8		56	128	20
	Trichlorofluoromethane	20	20.9	ug/L	104	12		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/L	106	14		80	112	20
	Tert butyl alcohol	100	100	ug/L	100	13		73	124	20
	1,1-Dichloroethene	20	19.8	ug/L	99	12		74	110	20
	Acrolein	100	74.5	ug/L	75	11		51	143	20
	Acrylonitrile	100	100	ug/L	100	13		73	113	20
	Acetone	100	100	ug/L	100	11		60	125	20
	Carbon disulfide	20	18.2	ug/L	91	15		64	112	20
	Methyl tert-butyl Ether	20	21.4	ug/L	107	13		78	114	20
	Methyl Acetate	20	16.3	ug/L	81	19		67	125	20
	Methylene Chloride	20	20.5	ug/L	103	16		72	114	20
	trans-1,2-Dichloroethene	20	20.1	ug/L	101	14		75	108	20
	Vinyl Acetate	100	100	ug/L	100	9		76	115	20
	1,1-Dichloroethane	20	20.1	ug/L	101	12		78	112	20
	Cyclohexane	20	20.4	ug/L	102	11		75	110	20
	2-Butanone	100	100	ug/L	100	8		65	122	20
	Carbon Tetrachloride	20	21.9	ug/L	110	9		77	113	20
	2,2-Dichloropropane	20	21.5	ug/L	108	12		75	116	20
	cis-1,2-Dichloroethene	20	20.5	ug/L	103	11		77	110	20
	Bromochloromethane	20	20.9	ug/L	104	0		70	124	20
	Chloroform	20	21.5	ug/L	108	13		79	113	20
	1,1,1-Trichloroethane	20	21.0	ug/L	105	10		80	108	20
	Methylcyclohexane	20	21.8	ug/L	109	10		72	115	20
	1,1-Dichloropropene	20	20.2	ug/L	101	8		79	110	20
	Benzene	20	20.7	ug/L	104	11		82	109	20
	1,2-Dichloroethane	20	21.5	ug/L	108	13		80	115	20
	Trichloroethene	20	22.3	ug/L	112	15		77	113	20
	1,2-Dichloropropane	20	21.0	ug/L	105	8		83	111	20
	Dibromomethane	20	21.3	ug/L	106	9		82	110	20
	Bromodichloromethane	20	21.4	ug/L	107	10		83	110	20
	4-Methyl-2-Pentanone	100	110	ug/L	110	12		74	118	20
	Toluene	20	21.4	ug/L	107	7		82	110	20
	t-1,3-Dichloropropene	20	20.5	ug/L	103	12		79	110	20
	cis-1,3-Dichloropropene	20	21.0	ug/L	105	9		82	110	20
	1,1,2-Trichloroethane	20	21.2	ug/L	106	8		83	112	20
	1,3-Dichloropropane	20	21.2	ug/L	106	11		83	111	20
	2-Chloroethyl vinyl ether	100	110	ug/L	110	14		75	124	20
	2-Hexanone	100	110	ug/L	110	11		73	117	20
	Dibromochloromethane	20	23.0	ug/L	115	16	*	82	110	20
	1,2-Dibromoethane	20	20.8	ug/L	104	8		81	110	20
	Tetrachloroethene	20	22.0	ug/L	110	7		67	123	20
	Chlorobenzene	20	20.5	ug/L	103	8		82	109	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4780

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN084823.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1113WBSD01	1,1,1,2-Tetrachloroethane	20	21.9	ug/L	110	11		84	111	20
	Hexachloroethane	20	18.8	ug/L	94	9		80	113	20
	Ethyl Benzene	20	21.0	ug/L	105	6		83	109	20
	m/p-Xylenes	40	42.9	ug/L	107	7		82	110	20
	o-Xylene	20	22.0	ug/L	110	6	*	83	109	20
	Styrene	20	21.5	ug/L	108	9		80	111	20
	Bromoform	20	21.7	ug/L	109	11		79	109	20
	Isopropylbenzene	20	19.9	ug/L	100	4		83	112	20
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94	7		76	118	20
	1,2,3-Trichloropropane	20	17.8	ug/L	89	4		75	112	20
	Bromobenzene	20	19.6	ug/L	98	10		77	116	20
	N-propylbenzene	20	19.9	ug/L	100	6		83	112	20
	2-Chlorotoluene	20	19.7	ug/L	99	5		83	110	20
	1,3,5-Trimethylbenzene	20	21.2	ug/L	106	5		85	112	20
	4-Chlorotoluene	20	19.0	ug/L	95	8		82	110	20
	tert-Butylbenzene	20	21.1	ug/L	106	4		83	112	20
	1,2,4-Trimethylbenzene	20	20.6	ug/L	103	3		85	111	20
	Sec-butylbenzene	20	20.6	ug/L	103	5		81	114	20
	p-Isopropyltoluene	20	21.4	ug/L	107	6		78	116	20
	1,3-Dichlorobenzene	20	18.4	ug/L	92	8		82	108	20
	1,4-Dichlorobenzene	20	19.7	ug/L	99	6		82	107	20
	n-Butylbenzene	20	19.2	ug/L	96	5		75	115	20
	1,2-Dichlorobenzene	20	18.6	ug/L	93	4		82	109	20
	1,2-Dibromo-3-Chloropropane	20	19.1	ug/L	96	17		68	112	20
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89	9		75	113	20
	Hexachlorobutadiene	20	19.1	ug/L	96	11		81	121	20
	Naphthalene	20	18.0	ug/L	90	9		78	119	20
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86	8		76	114	20

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1113WBL01

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG NO.: P4780

Lab File ID: VN084817.D Lab Sample ID: VN1113WBL01

Date Analyzed: 11/13/2024 Time Analyzed: 10:50

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1113WBS01	VN1113WBS01	VN084822.D	11/13/2024
VN1113WBSD01	VN1113WBSD01	VN084823.D	11/13/2024
Storage-Blank-SOIL-REF-6	P4780-01	VN084827.D	11/13/2024
Storage-Blank-SAMPLE-MANAGEMENT	P4780-04	VN084831.D	11/13/2024
Storage-Blank-WATER-REF-5	P4780-02	VN084833.D	11/13/2024
Storage-Blank-WATER-REF-4	P4780-03	VN084834.D	11/13/2024

COMMENTS:

Alliance TECHNICAL GROUP

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG NO.: P4780

Lab File ID: VN084569.D BFB Injection Date: 10/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:42

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.5
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	7.2
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	70.1 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN084570.D	10/30/2024	11:46
VSTDICCC050	VSTDICCC050	VN084571.D	10/30/2024	12:09
VSTDICC020	VSTDICC020	VN084572.D	10/30/2024	12:33
VSTDICC010	VSTDICC010	VN084573.D	10/30/2024	12:57
VSTDICC005	VSTDICC005	VN084574.D	10/30/2024	13:21
VSTDICC001	VSTDICC001	VN084575.D	10/30/2024	13:45

Raw Data: **VN084814.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG NO.: P4780

Lab File ID: VN084814.D BFB Injection Date: 11/13/2024

Instrument ID: MSVOA_N BFB Injection Time: 08:53

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.2
75	30.0 - 60.0% of mass 95	50.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	76.3
175	5.0 - 9.0% of mass 174	5.7 (7.5) 1
176	95.0 - 101.0% of mass 174	75.8 (99.3) 1
177	5.0 - 9.0% of mass 176	5 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN084815.D	11/13/2024	09:52
VN1113WBL01	VN1113WBL01	VN084817.D	11/13/2024	10:50
VN1113WBS01	VN1113WBS01	VN084822.D	11/13/2024	13:24
VN1113WBSD01	VN1113WBSD01	VN084823.D	11/13/2024	14:00
Storage-Blank-SOIL-REF-6	P4780-01	VN084827.D	11/13/2024	15:35
Storage-Blank-SAMPLE-MANAGEMENT	P4780-04	VN084831.D	11/13/2024	17:11
Storage-Blank-WATER-REF-5	P4780-02	VN084833.D	11/13/2024	18:00
Storage-Blank-WATER-REF-4	P4780-03	VN084834.D	11/13/2024	18:23

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG NO.: P4780

Lab File ID: VN084815.D Date Analyzed: 11/13/2024

Instrument ID: MSVOA_N Time Analyzed: 09:52

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	176295	8.22	281546	9.09	243058	11.87
UPPER LIMIT	352590	8.718	563092	9.594	486116	12.365
LOWER LIMIT	88147.5	7.718	140773	8.594	121529	11.365
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	170577	8.22	292604	9.10	259514	11.87
Storage-Blank-WATER-REF-5	164805	8.22	285631	9.10	252256	11.87
Storage-Blank-WATER-REF-4	162476	8.22	281078	9.10	249704	11.87
Storage-Blank-SAMPLE-MANAGEMEN	166310	8.22	292444	9.10	256779	11.87
VN1113WBL01	177026	8.22	303081	9.09	266497	11.87
VN1113WBS01	193540	8.22	311172	9.10	273249	11.87
VN1113WBSD01	144835	8.22	235271	9.10	211677	11.87

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG NO.: P4780

Lab File ID: VN084815.D Date Analyzed: 11/13/2024

Instrument ID: MSVOA_N Time Analyzed: 09:52

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

	IS4 AREA #	RT #				
12 HOUR STD	126719	13.788				
UPPER LIMIT	253438	14.288				
LOWER LIMIT	63359.5	13.288				
EPA SAMPLE NO.						
Storage-Blank-SOIL-REF-6	118301	13.79				
Storage-Blank-WATER-REF-5	113219	13.79				
Storage-Blank-WATER-REF-4	112338	13.79				
Storage-Blank-SAMPLE-MANAGEME	115326	13.79				
VN1113WBL01	115573	13.79				
VN1113WBS01	141208	13.79				
VN1113WBSD01	110546	13.79				

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.

SAMPLE DATA

Raw Data: **VN084827.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4780
Lab Sample ID:	P4780-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084827.D	1		11/13/24 15:35	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Raw Data: **VN084827.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4780
Lab Sample ID:	P4780-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084827.D	1		11/13/24 15:35	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	UQ	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Raw Data: **VN084827.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4780
Lab Sample ID:	P4780-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084827.D	1		11/13/24 15:35	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		74 - 125	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	46.3		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.1		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	171000	8.218			
540-36-3	1,4-Difluorobenzene	293000	9.1			
3114-55-4	Chlorobenzene-d5	260000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	118000	13.788			

Raw Data: **VN084827.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-SOIL-REF-6	SDG No.:	P4780
Lab Sample ID:	P4780-01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084827.D	1		11/13/24 15:35	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084827.D
Acq On : 13 Nov 2024 15:35
Operator : JC\MD
Sample : P4780-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

Quant Time: Nov 14 00:37:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

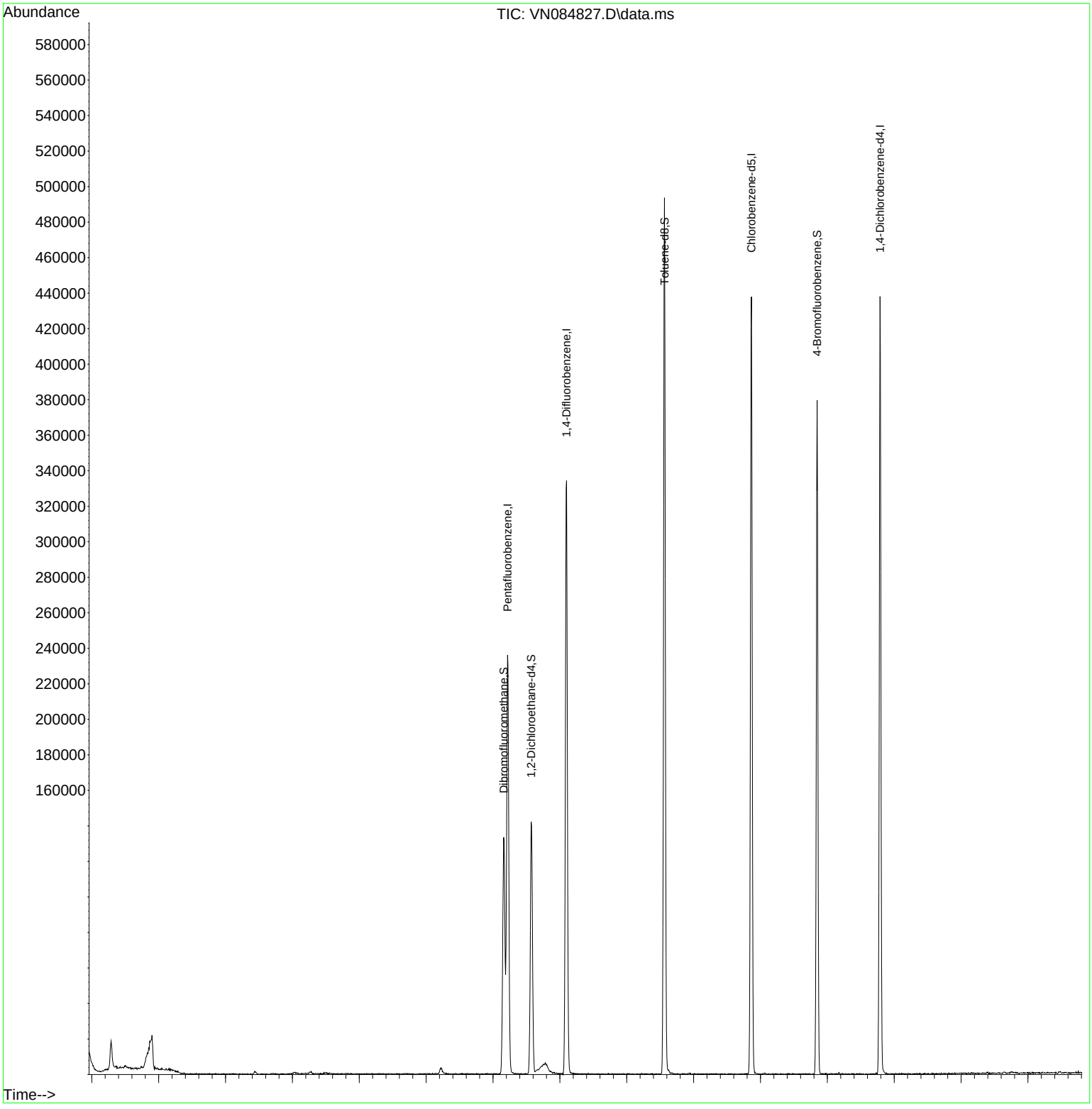
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	170577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292604	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	259514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	118000	47.895	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.800%		
35) Dibromofluoromethane	8.159	113	98095	49.529	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.060%		
50) Toluene-d8	10.565	98	337686	46.285	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.560%		
62) 4-Bromofluorobenzene	12.847	95	131019	48.051	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.100%		
Target Compounds						Qvalue

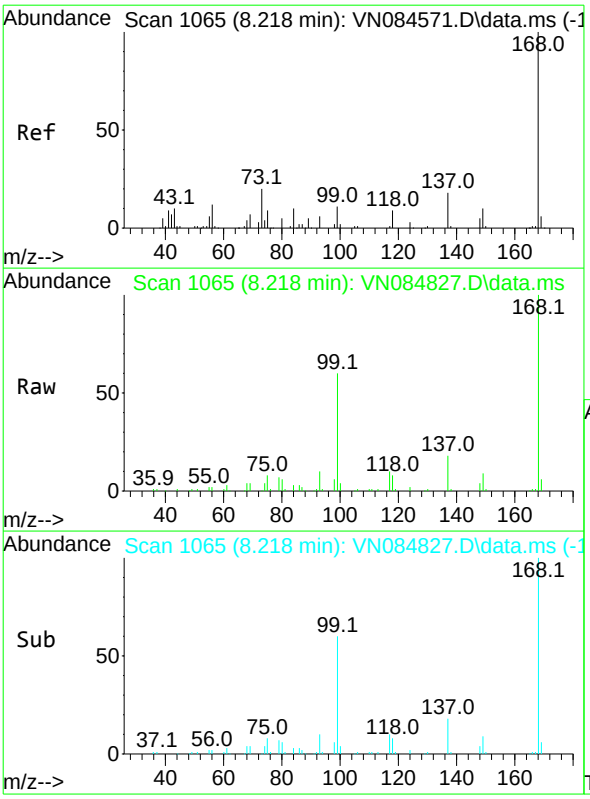
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084827.D
Acq On : 13 Nov 2024 15:35
Operator : JC\MD
Sample : P4780-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

Quant Time: Nov 14 00:37:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



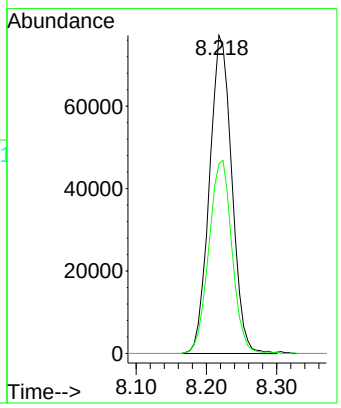


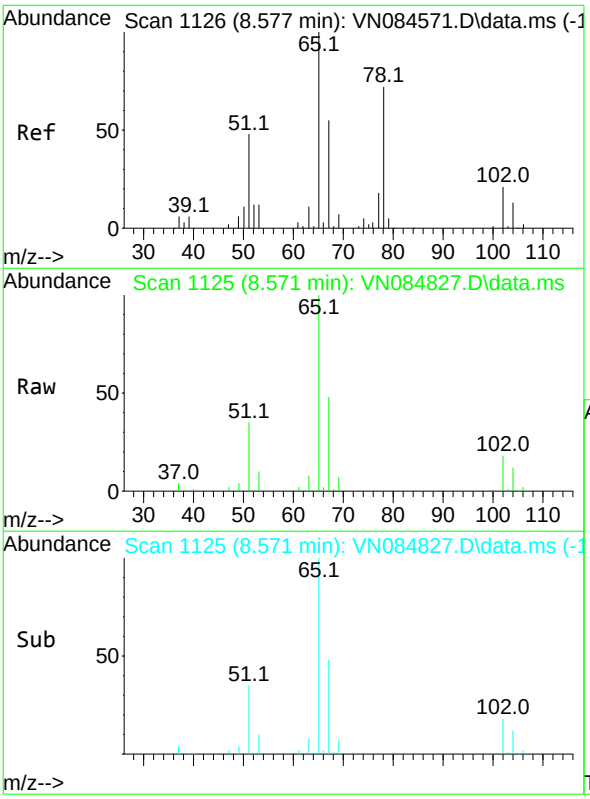
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

Tgt Ion:168 Resp: 170577

Ion	Ratio	Lower	Upper
168	100		
99	59.6	54.2	81.2

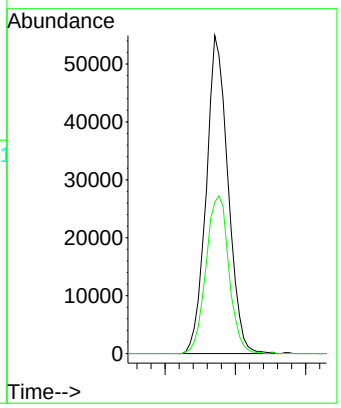


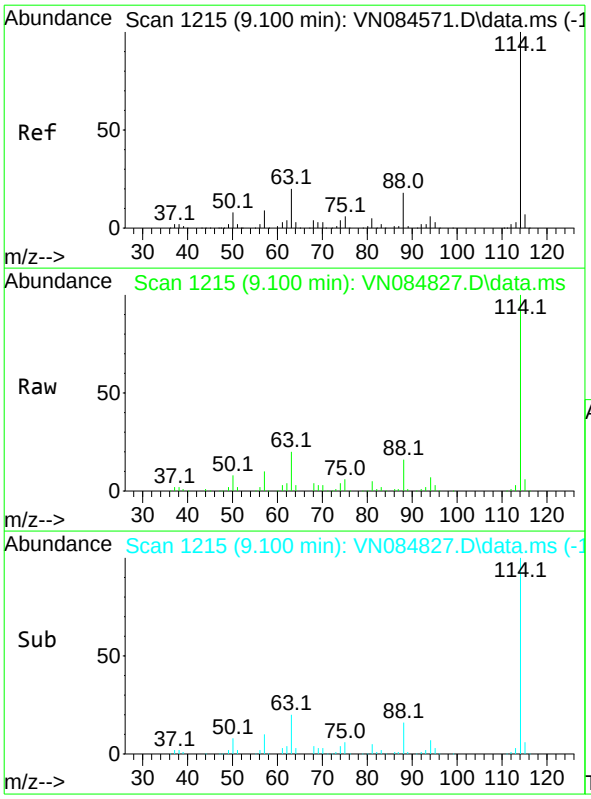


#33
1,2-Dichloroethane-d4
Concen: 47.895 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Tgt Ion: 65 Resp: 118000

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	102.0



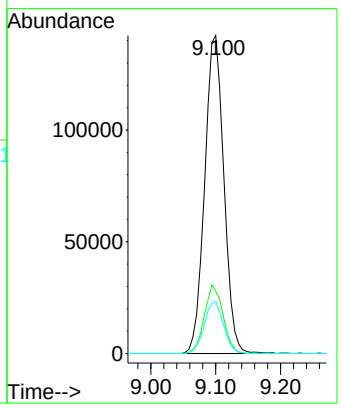


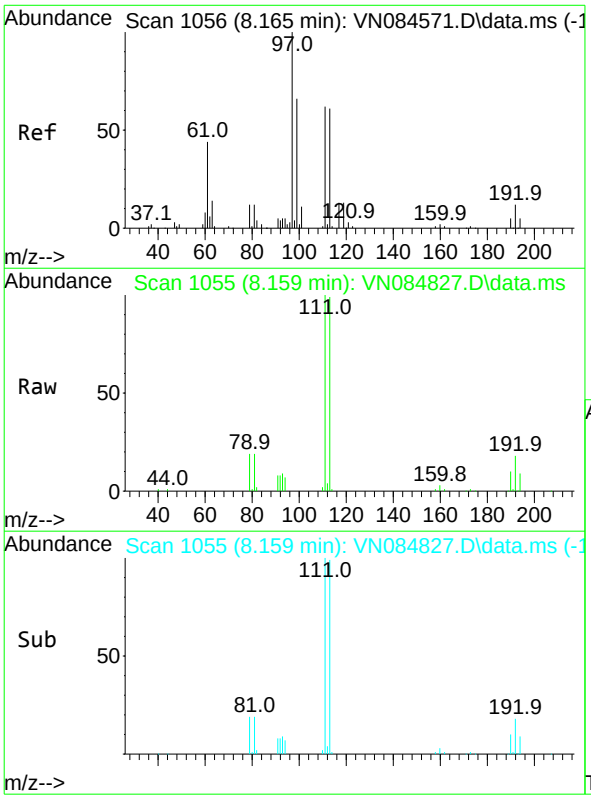
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

Tgt Ion:114 Resp: 292604

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	43.8
88	16.3	0.0	31.6

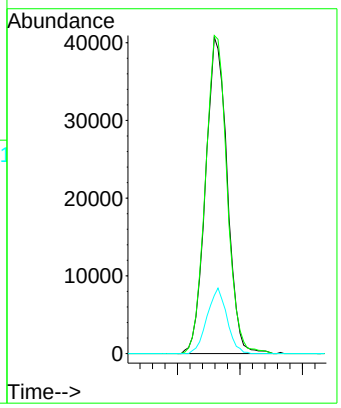


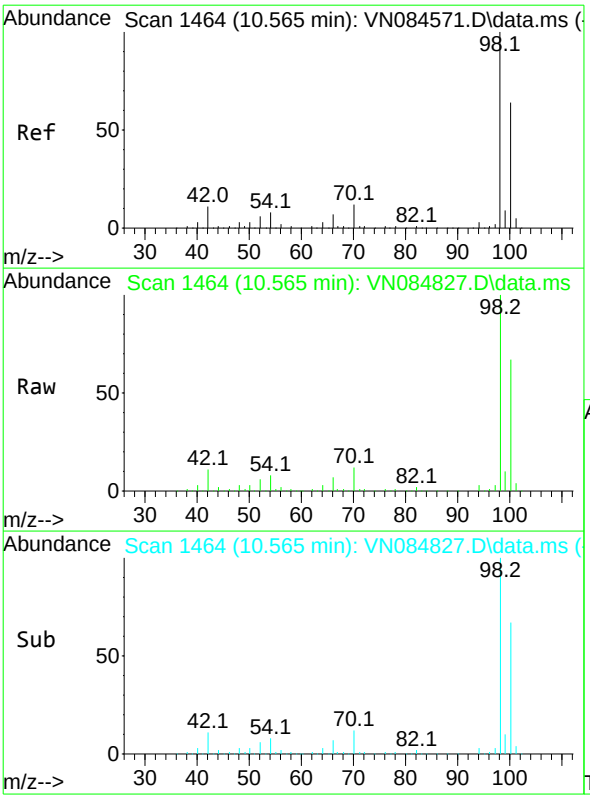


#35
Dibromofluoromethane
Concen: 49.529 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Tgt Ion:113 Resp: 98095

Ion	Ratio	Lower	Upper
113	100		
111	100.6	83.3	124.9
192	18.9	13.5	20.3



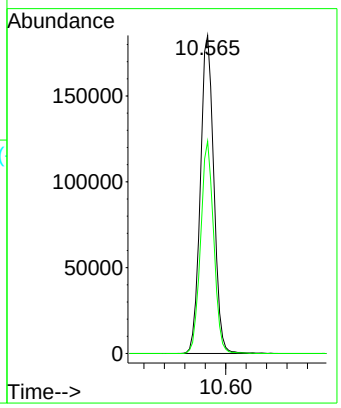


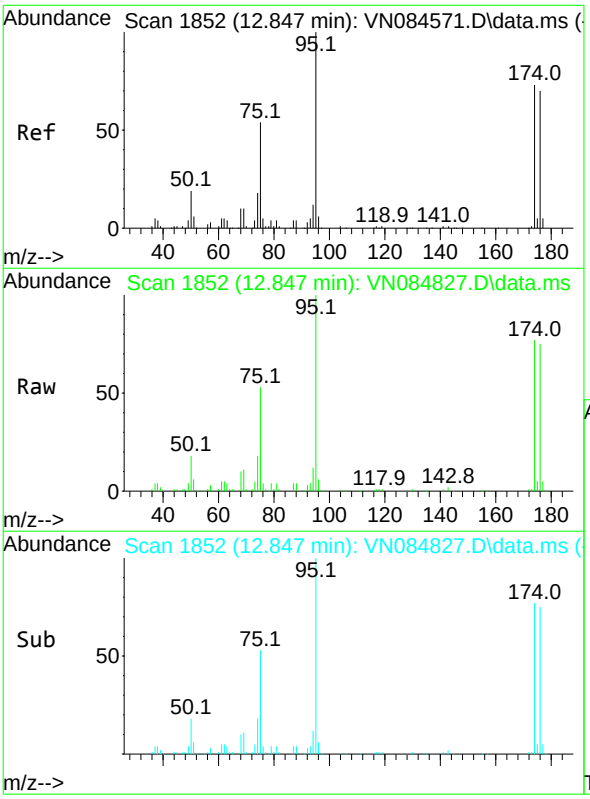
#50
Toluene-d8
Concen: 46.285 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

Tgt Ion: 98 Resp: 337686

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

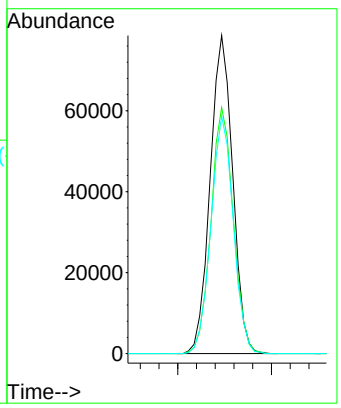


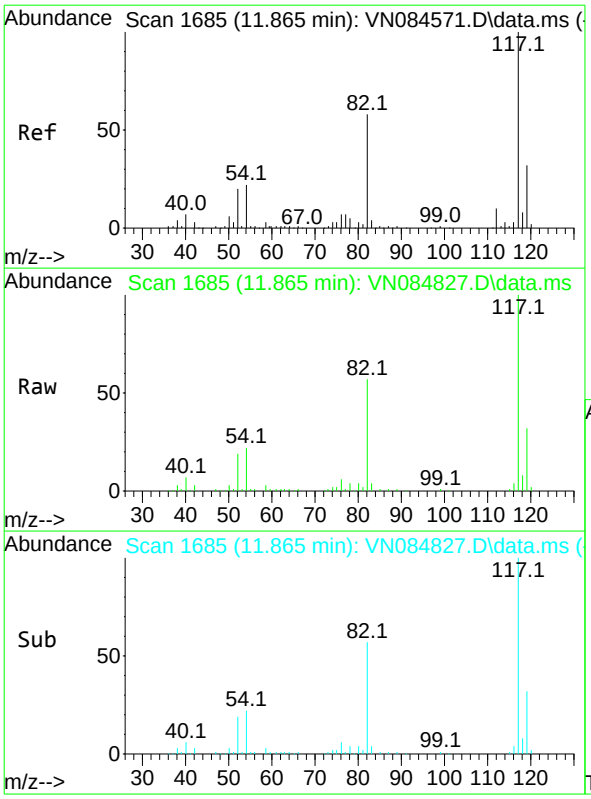


#62
4-Bromofluorobenzene
Concen: 48.051 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Tgt Ion: 95 Resp: 131019

Ion	Ratio	Lower	Upper
95	100		
174	77.0	0.0	145.2
176	74.1	0.0	140.0



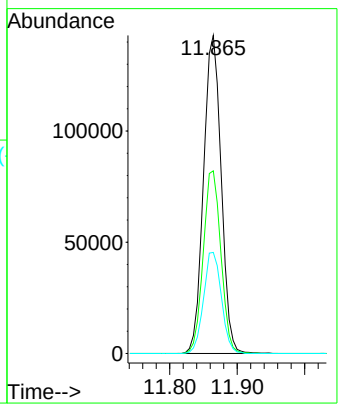


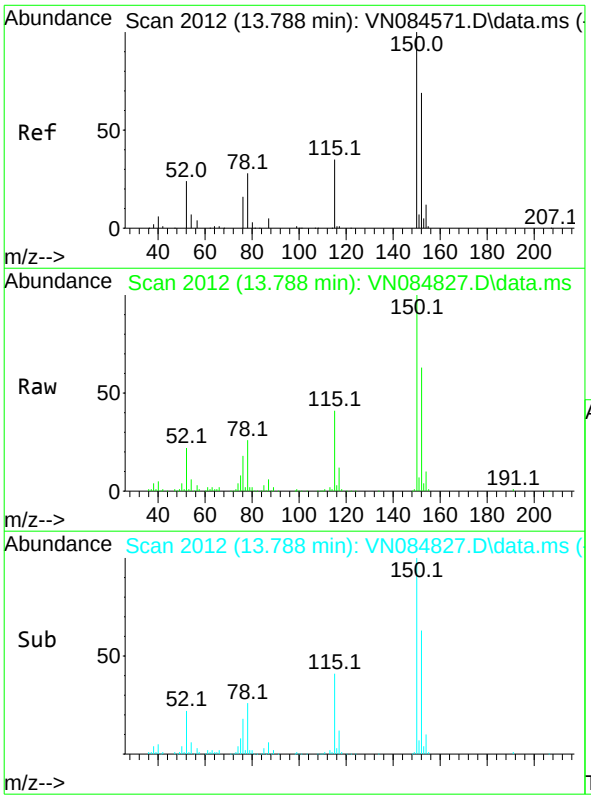
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SOIL-REF-6

Tgt Ion:117 Resp: 259514

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.2	70.8
119	31.8	25.4	38.0

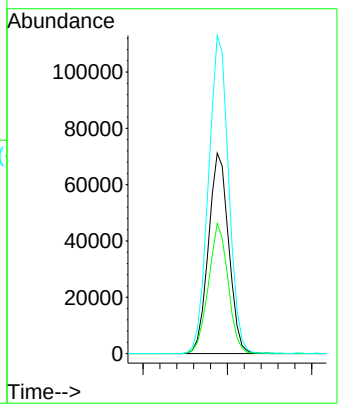




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084827.D
Acq: 13 Nov 2024 15:35

Tgt Ion:152 Resp: 118301

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.3	93.9
150	159.0	0.0	349.8



Raw Data: **VN084833.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4780
Lab Sample ID:	P4780-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084833.D	1		11/13/24 18:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Raw Data: **VN084833.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4780
Lab Sample ID:	P4780-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084833.D	1		11/13/24 18:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	UQ	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Raw Data: **VN084833.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4780
Lab Sample ID:	P4780-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084833.D	1		11/13/24 18:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.4		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	47.0		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	8.224			
540-36-3	1,4-Difluorobenzene	286000	9.1			
3114-55-4	Chlorobenzene-d5	252000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	113000	13.788			

Raw Data: **VN084833.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-WATER-REF-5	SDG No.:	P4780
Lab Sample ID:	P4780-02	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084833.D	1		11/13/24 18:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Sample Results: **VN084833.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084833.D
Acq On : 13 Nov 2024 18:00
Operator : JC\MD
Sample : P4780-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-5

Quant Time: Nov 14 00:40:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

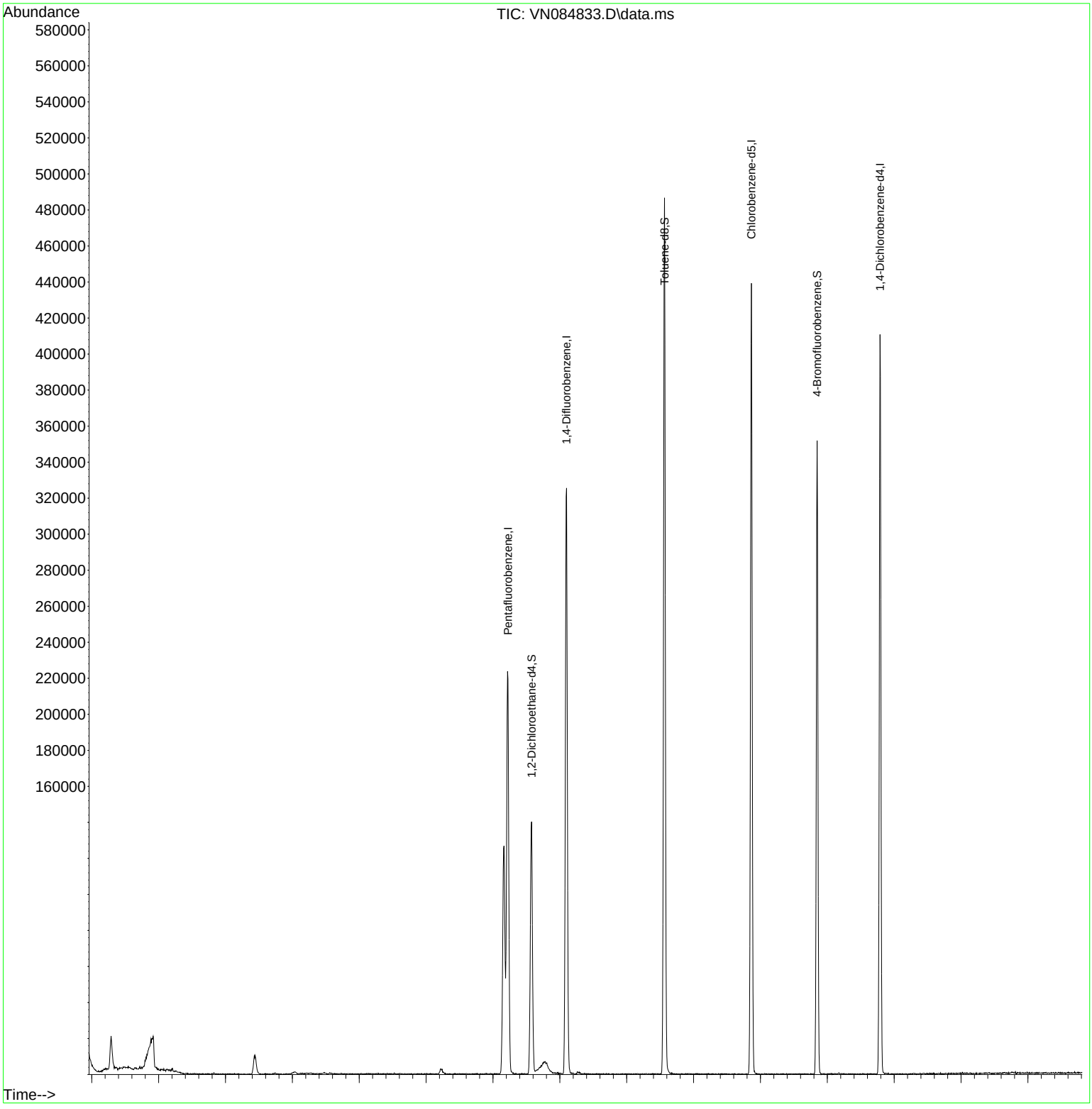
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285631	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	252256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113219	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	115214	48.402	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.800%		
35) Dibromofluoromethane	8.159	113	94905	49.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.180%		
50) Toluene-d8	10.565	98	334453	46.961	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.920%		
62) 4-Bromofluorobenzene	12.847	95	123327	46.334	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	92.660%		
Target Compounds						Qvalue

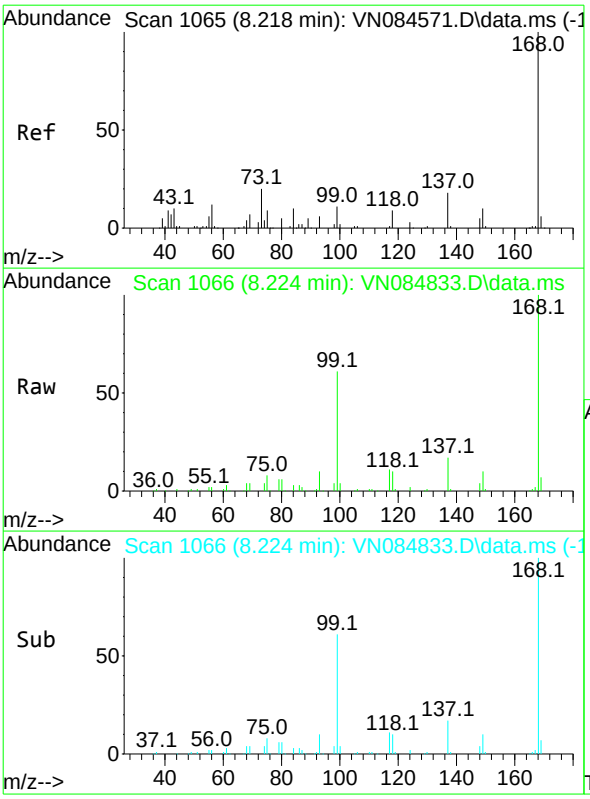
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084833.D
Acq On : 13 Nov 2024 18:00
Operator : JC\MD
Sample : P4780-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-5

Quant Time: Nov 14 00:40:04 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



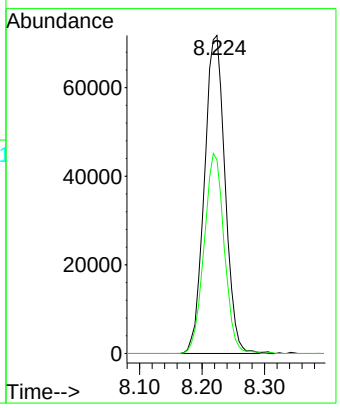


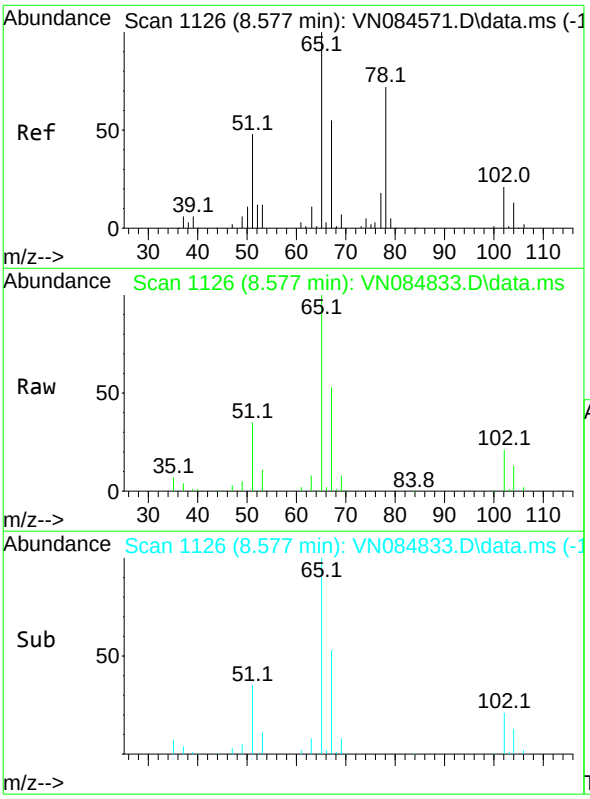
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084833.D
Acq: 13 Nov 2024 18:00

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-5

Tgt Ion:168 Resp: 164805

Ion	Ratio	Lower	Upper
168	100		
99	60.9	54.2	81.2

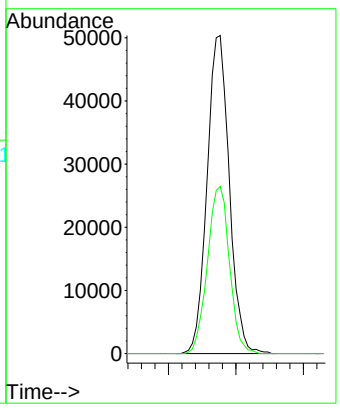


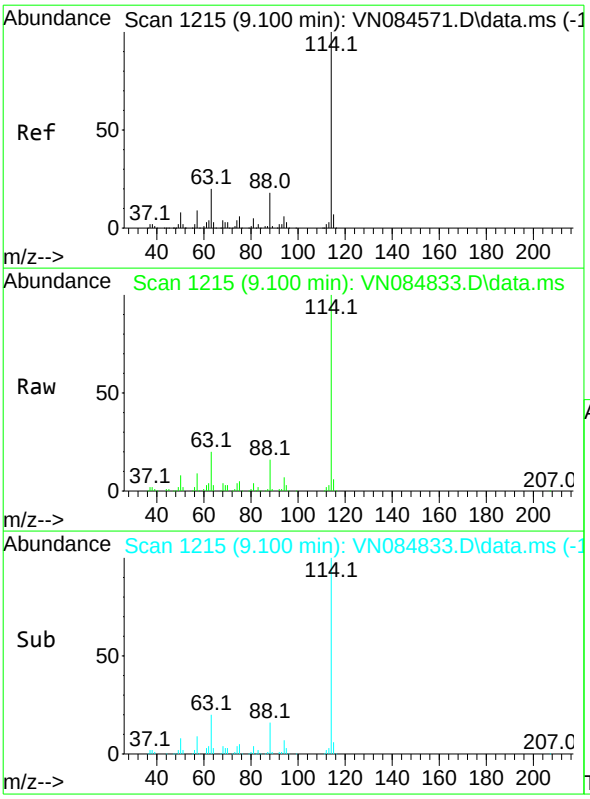


#33
1,2-Dichloroethane-d4
Concen: 48.402 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084833.D
Acq: 13 Nov 2024 18:00

Tgt Ion: 65 Resp: 115214

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0



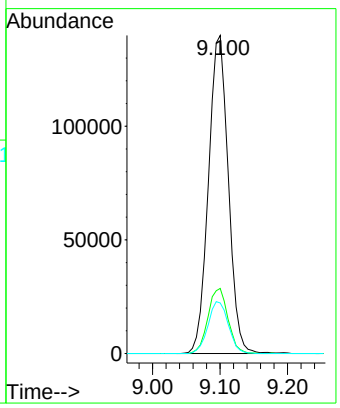


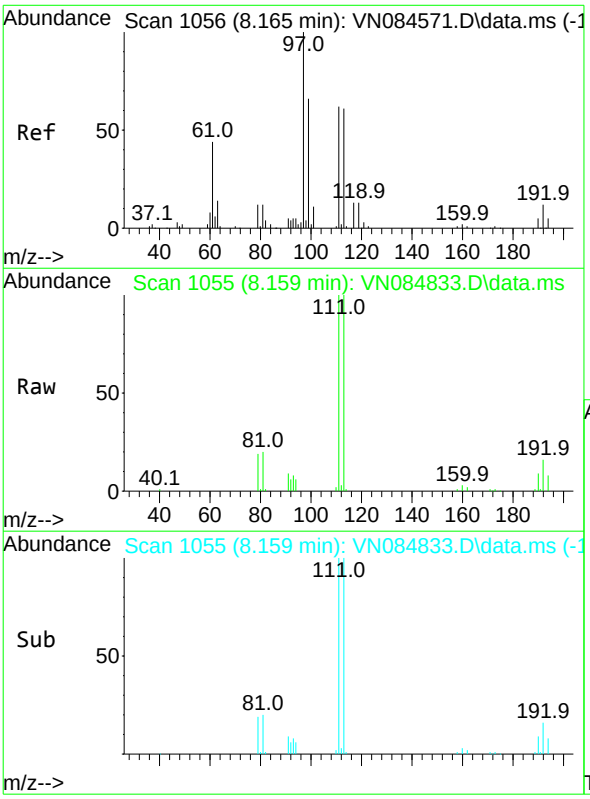
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084833.D
Acq: 13 Nov 2024 18:00

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-5

Tgt Ion:114 Resp: 285631

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.8
88	15.9	0.0	31.6

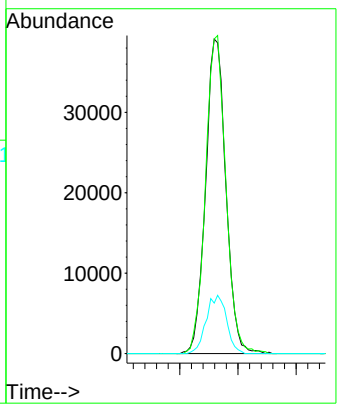


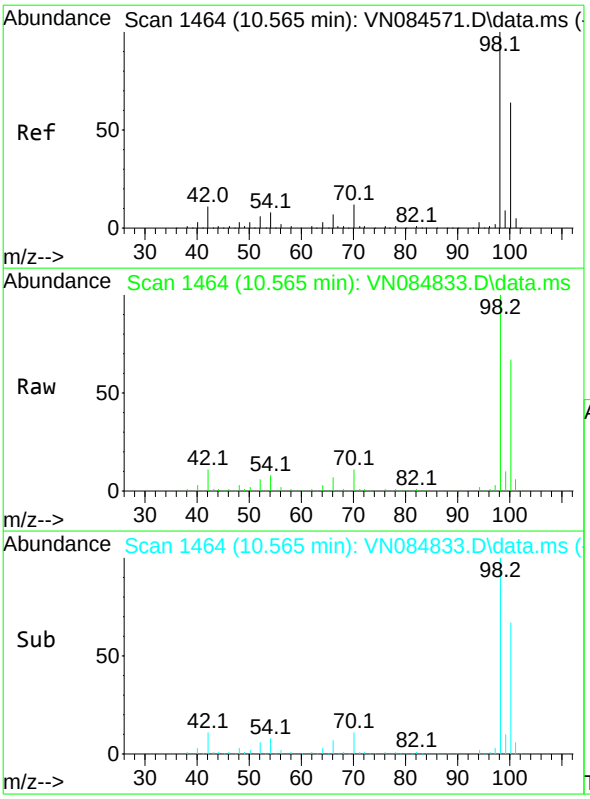


#35
Dibromofluoromethane
Concen: 49.088 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084833.D
Acq: 13 Nov 2024 18:00

Tgt Ion:113 Resp: 94905

Ion	Ratio	Lower	Upper
113	100		
111	101.0	83.3	124.9
192	18.6	13.5	20.3



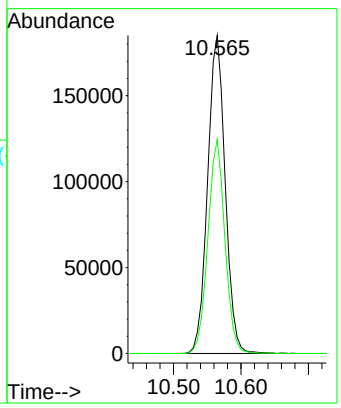


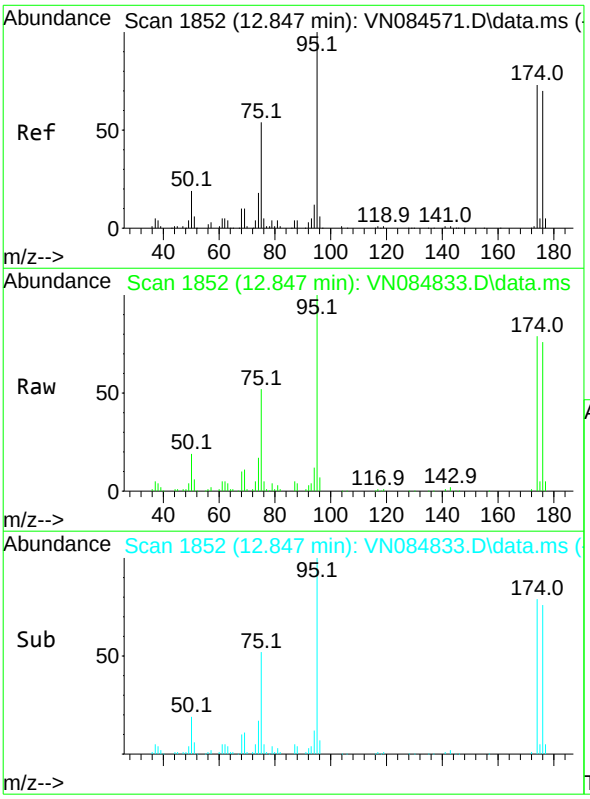
#50
Toluene-d8
Concen: 46.961 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084833.D
Acq: 13 Nov 2024 18:00

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-5

Tgt Ion: 98 Resp: 334453

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.7	79.1

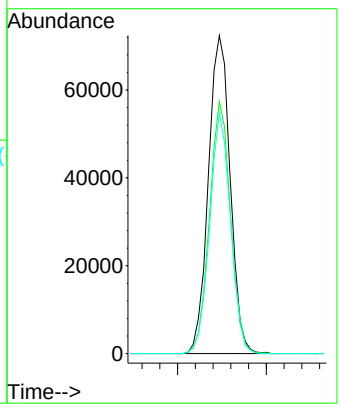


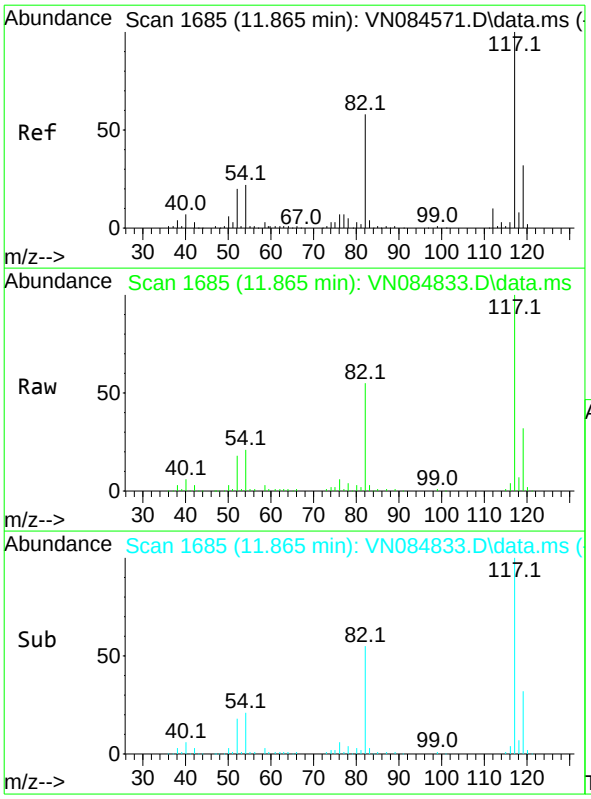


#62
4-Bromofluorobenzene
Concen: 46.334 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084833.D
Acq: 13 Nov 2024 18:00

Tgt Ion: 95 Resp: 123327

Ion	Ratio	Lower	Upper
95	100		
174	76.7	0.0	145.2
176	72.2	0.0	140.0



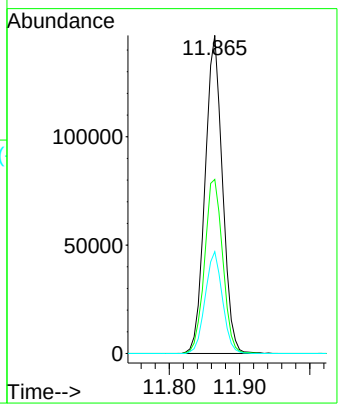


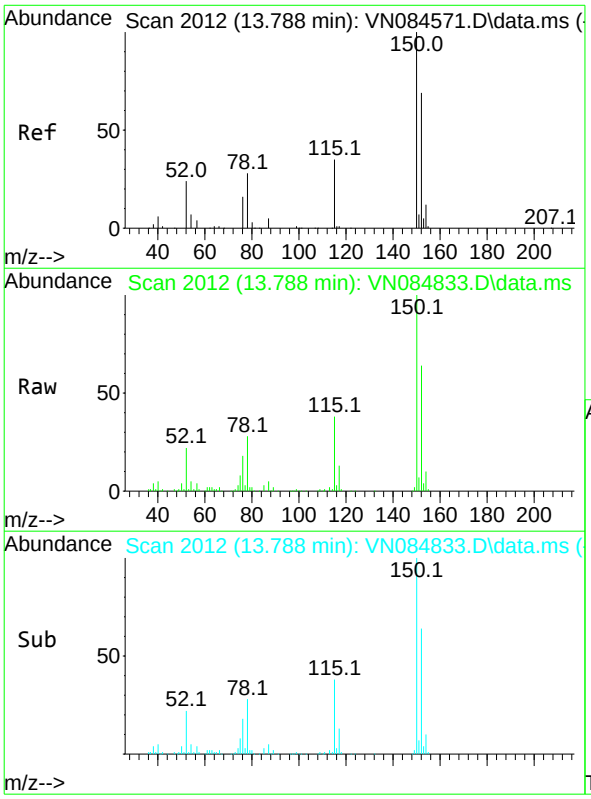
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084833.D
Acq: 13 Nov 2024 18:00

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-5

Tgt Ion:117 Resp: 252256

Ion	Ratio	Lower	Upper
117	100		
82	54.7	47.2	70.8
119	32.0	25.4	38.0

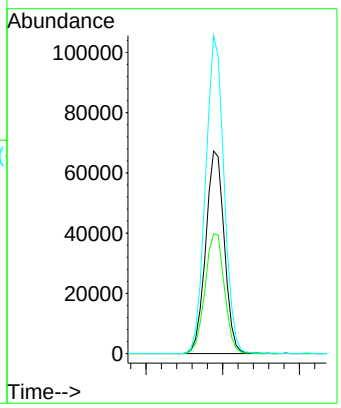




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084833.D
Acq: 13 Nov 2024 18:00

Tgt Ion:152 Resp: 113219

Ion	Ratio	Lower	Upper
152	100		
115	61.6	31.3	93.9
150	155.5	0.0	349.8



Raw Data: **VN084834.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4780
Lab Sample ID:	P4780-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084834.D	1		11/13/24 18:23	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Raw Data: **VN084834.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4780
Lab Sample ID:	P4780-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084834.D	1		11/13/24 18:23	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	UQ	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Raw Data: **VN084834.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4780
Lab Sample ID:	P4780-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084834.D	1		11/13/24 18:23	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	46.7		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	162000	8.218			
540-36-3	1,4-Difluorobenzene	281000	9.1			
3114-55-4	Chlorobenzene-d5	250000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	112000	13.788			

Raw Data: **VN084834.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-WATER-REF-4	SDG No.:	P4780
Lab Sample ID:	P4780-03	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084834.D	1		11/13/24 18:23	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084834.D
Acq On : 13 Nov 2024 18:23
Operator : JC\MD
Sample : P4780-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

Quant Time: Nov 14 00:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	162476	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	281078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	112338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	114501	48.792	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.580%		
35) Dibromofluoromethane	8.159	113	92854	48.805	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.600%		
50) Toluene-d8	10.565	98	327499	46.729	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.460%		
62) 4-Bromofluorobenzene	12.847	95	122659	46.829	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.660%		

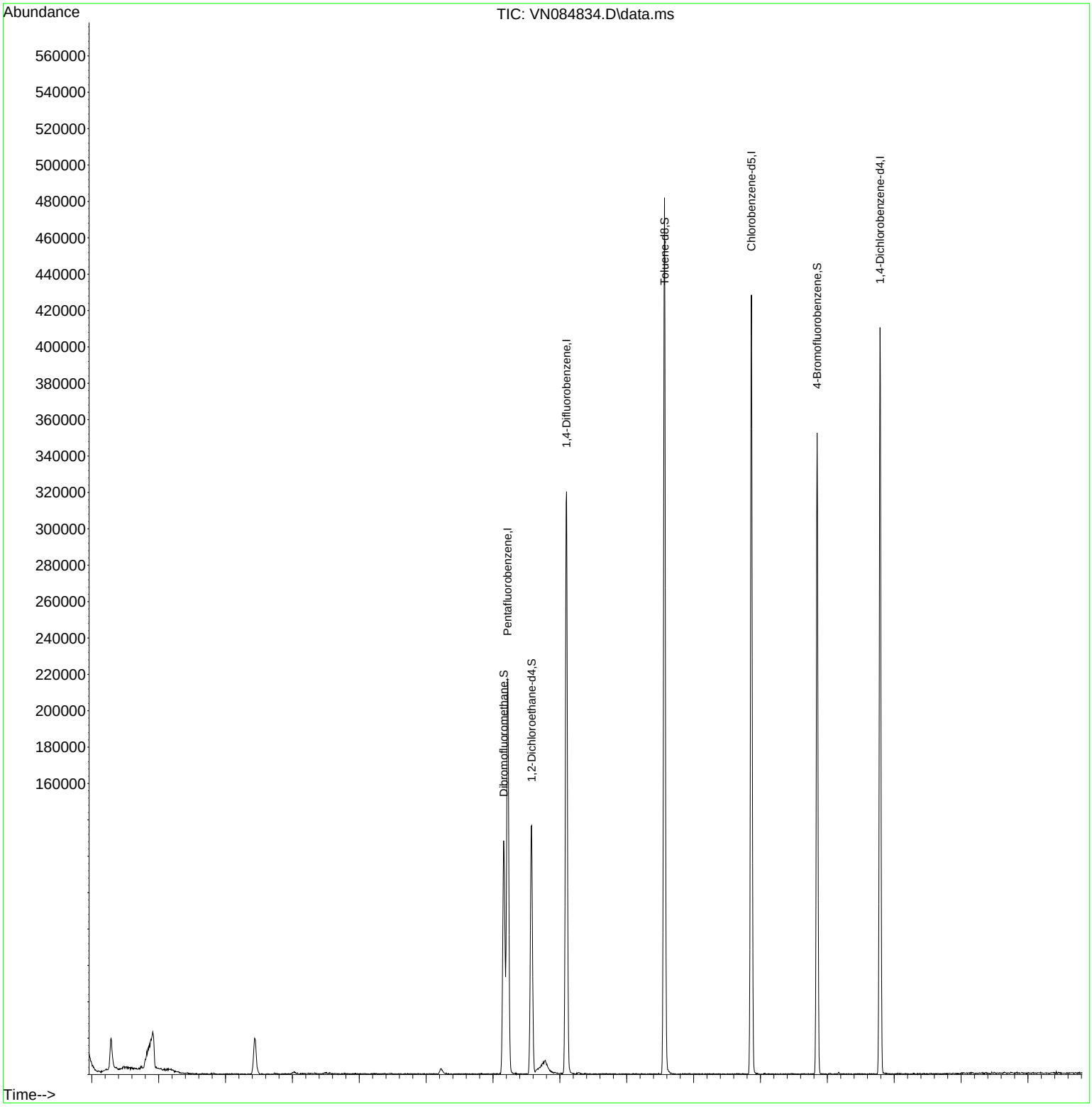
Target Compounds Qvalue

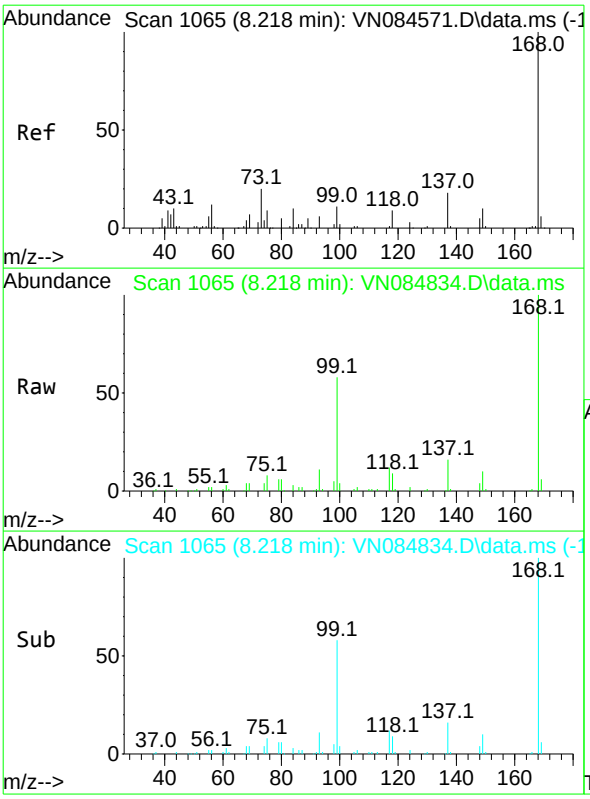
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084834.D
Acq On : 13 Nov 2024 18:23
Operator : JC\MD
Sample : P4780-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

Quant Time: Nov 14 00:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



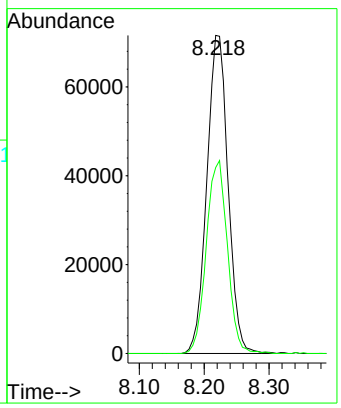


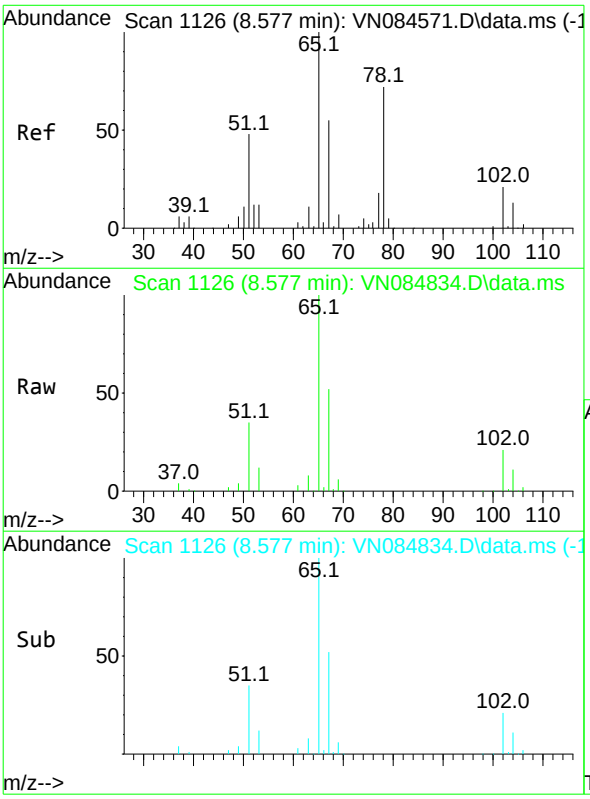
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084834.D
Acq: 13 Nov 2024 18:23

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

Tgt Ion:168 Resp: 162476

Ion	Ratio	Lower	Upper
168	100		
99	58.5	54.2	81.2

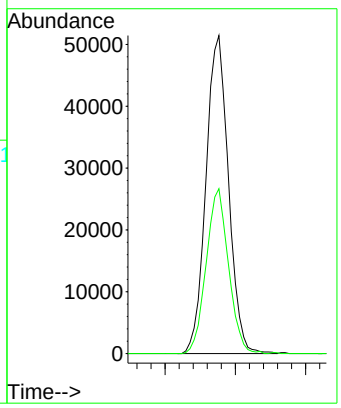


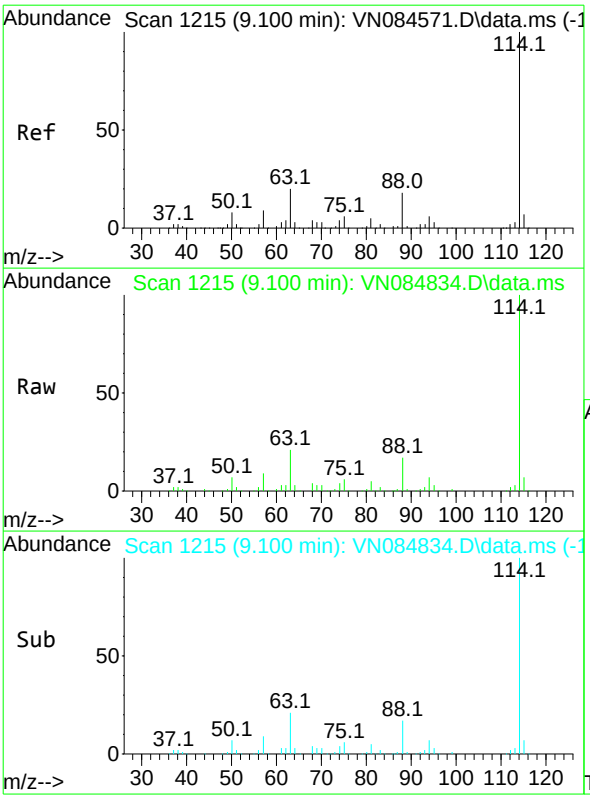


#33
1,2-Dichloroethane-d4
Concen: 48.792 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084834.D
Acq: 13 Nov 2024 18:23

Tgt Ion: 65 Resp: 114501

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.0



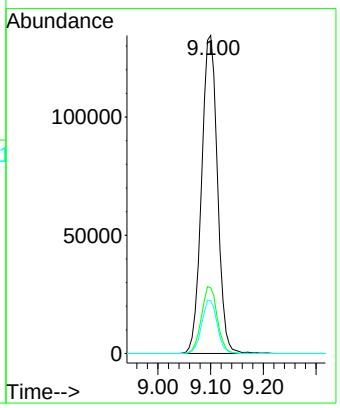


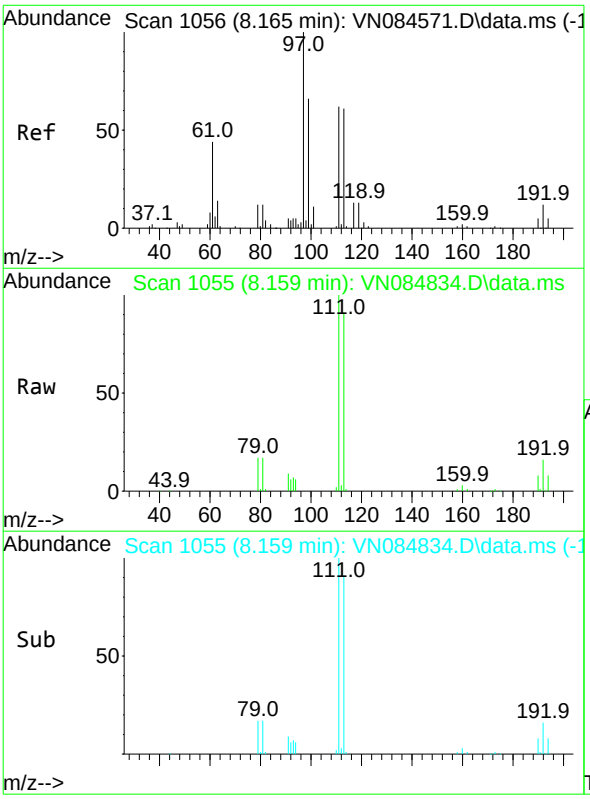
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084834.D
Acq: 13 Nov 2024 18:23

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

Tgt Ion:114 Resp: 281078

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	43.8
88	16.7	0.0	31.6

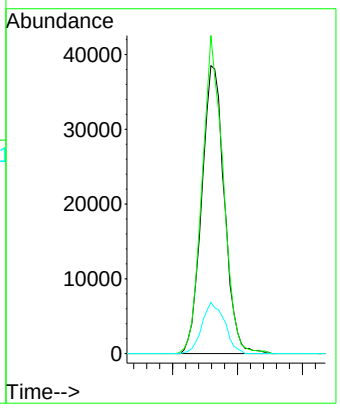


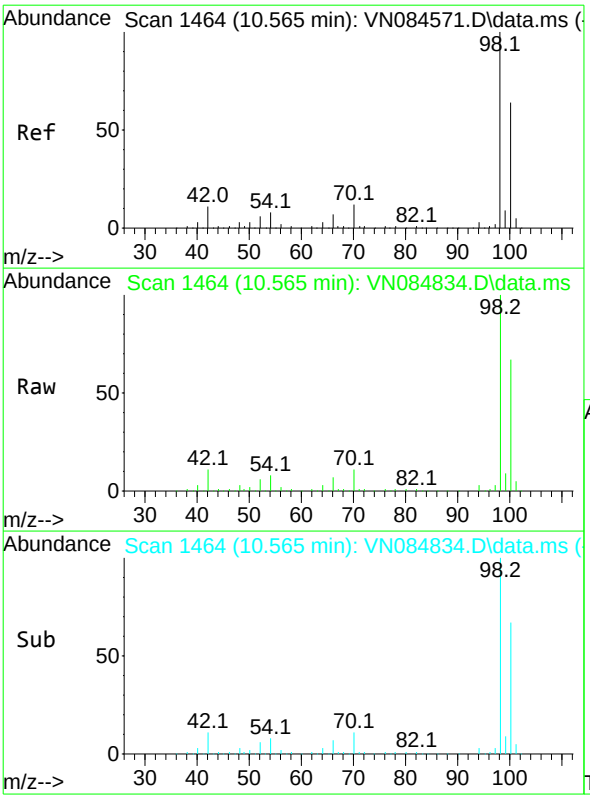


#35
Dibromofluoromethane
Concen: 48.805 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084834.D
Acq: 13 Nov 2024 18:23

Tgt Ion:113 Resp: 92854

Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.3	124.9
192	17.9	13.5	20.3



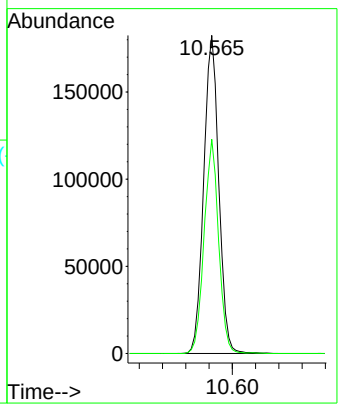


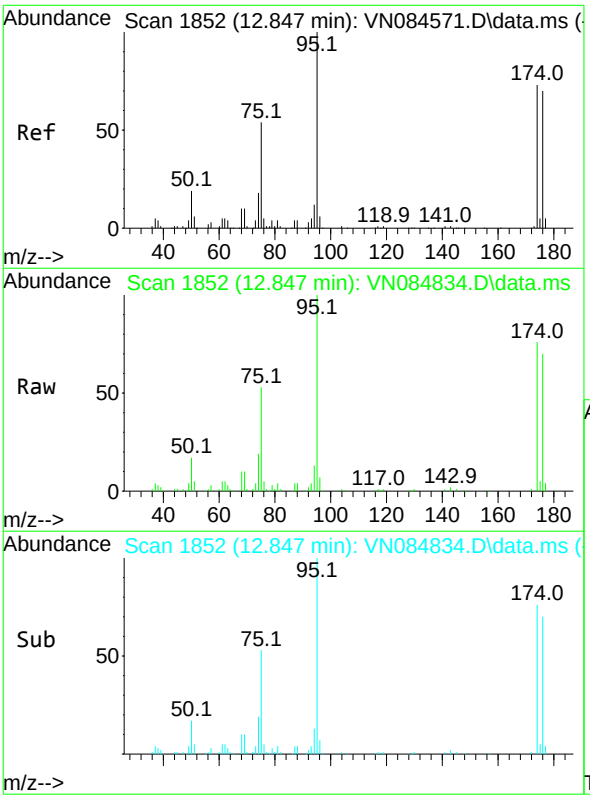
#50
Toluene-d8
Concen: 46.729 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084834.D
Acq: 13 Nov 2024 18:23

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

Tgt Ion: 98 Resp: 327499

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.7	79.1

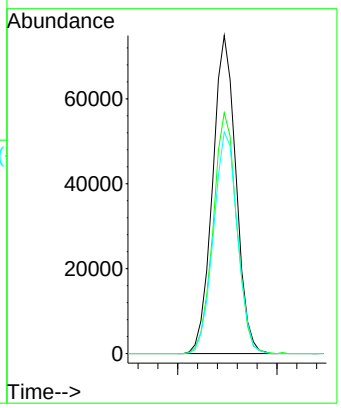


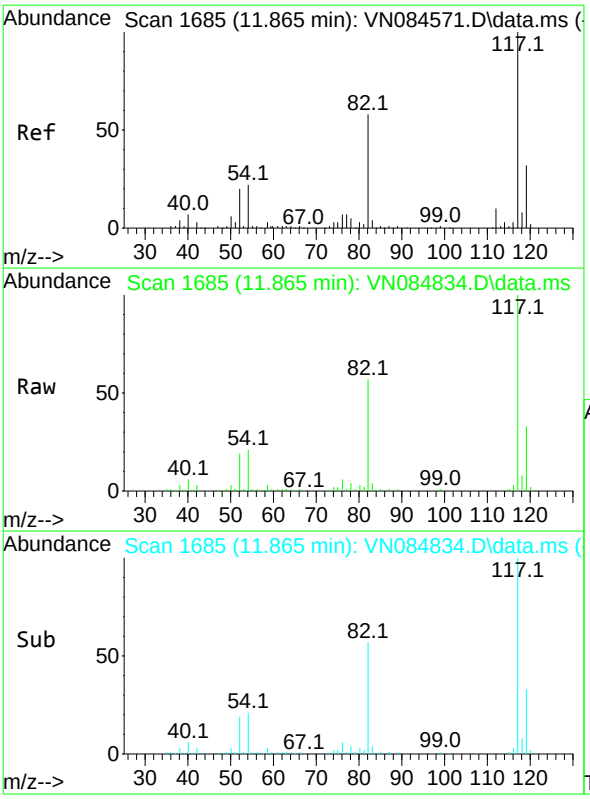


#62
4-Bromofluorobenzene
Concen: 46.829 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084834.D
Acq: 13 Nov 2024 18:23

Tgt Ion: 95 Resp: 122659

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	145.2
176	71.4	0.0	140.0



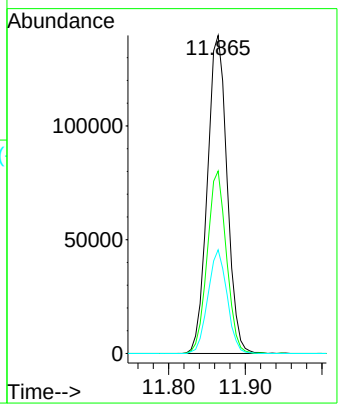


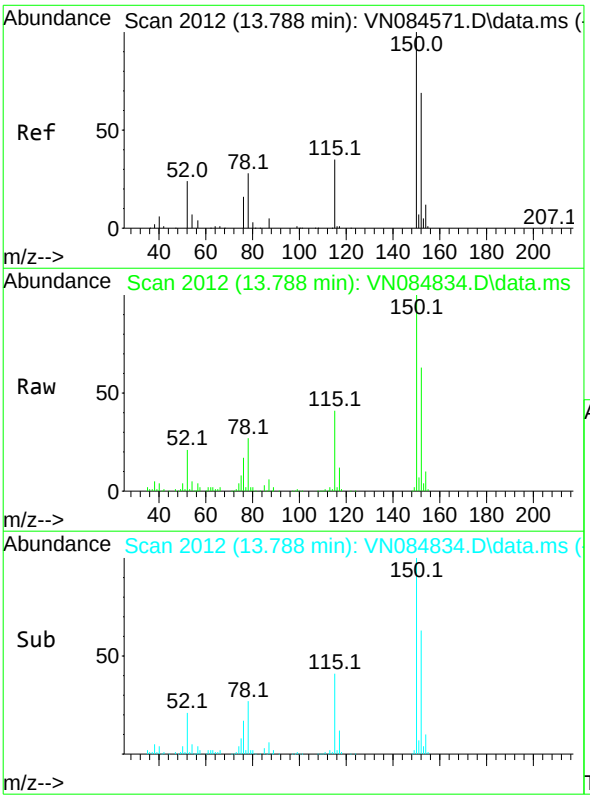
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084834.D
Acq: 13 Nov 2024 18:23

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-WATER-REF-4

Tgt Ion:117 Resp: 249704

Ion	Ratio	Lower	Upper
117	100		
82	57.4	47.2	70.8
119	32.6	25.4	38.0

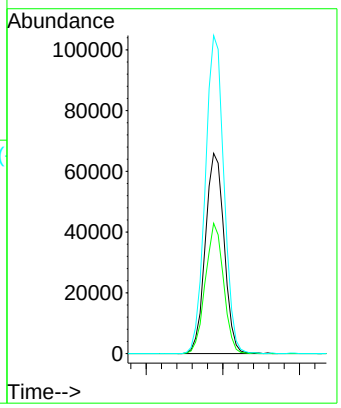




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084834.D
Acq: 13 Nov 2024 18:23

Tgt Ion:152 Resp: 112338

Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.3	93.9
150	157.5	0.0	349.8



Raw Data: **VN084831.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4780
Lab Sample ID:	P4780-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084831.D	1		11/13/24 17:11	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Raw Data: **VN084831.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4780
Lab Sample ID:	P4780-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084831.D	1		11/13/24 17:11	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	UQ	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	UQ	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Raw Data: **VN084831.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4780
Lab Sample ID:	P4780-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084831.D	1		11/13/24 17:11	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	46.7		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.9		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	8.218			
540-36-3	1,4-Difluorobenzene	292000	9.1			
3114-55-4	Chlorobenzene-d5	257000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	115000	13.788			

Raw Data: **VN084831.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	11/08/24
Project:	Weekly Storage Blanks	Date Received:	11/08/24
Client Sample ID:	Storage-Blank-SAMPLE-MANAGEMENT	SDG No.:	P4780
Lab Sample ID:	P4780-04	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084831.D	1		11/13/24 17:11	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084831.D
Acq On : 13 Nov 2024 17:11
Operator : JC\MD
Sample : P4780-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: Nov 14 00:39:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

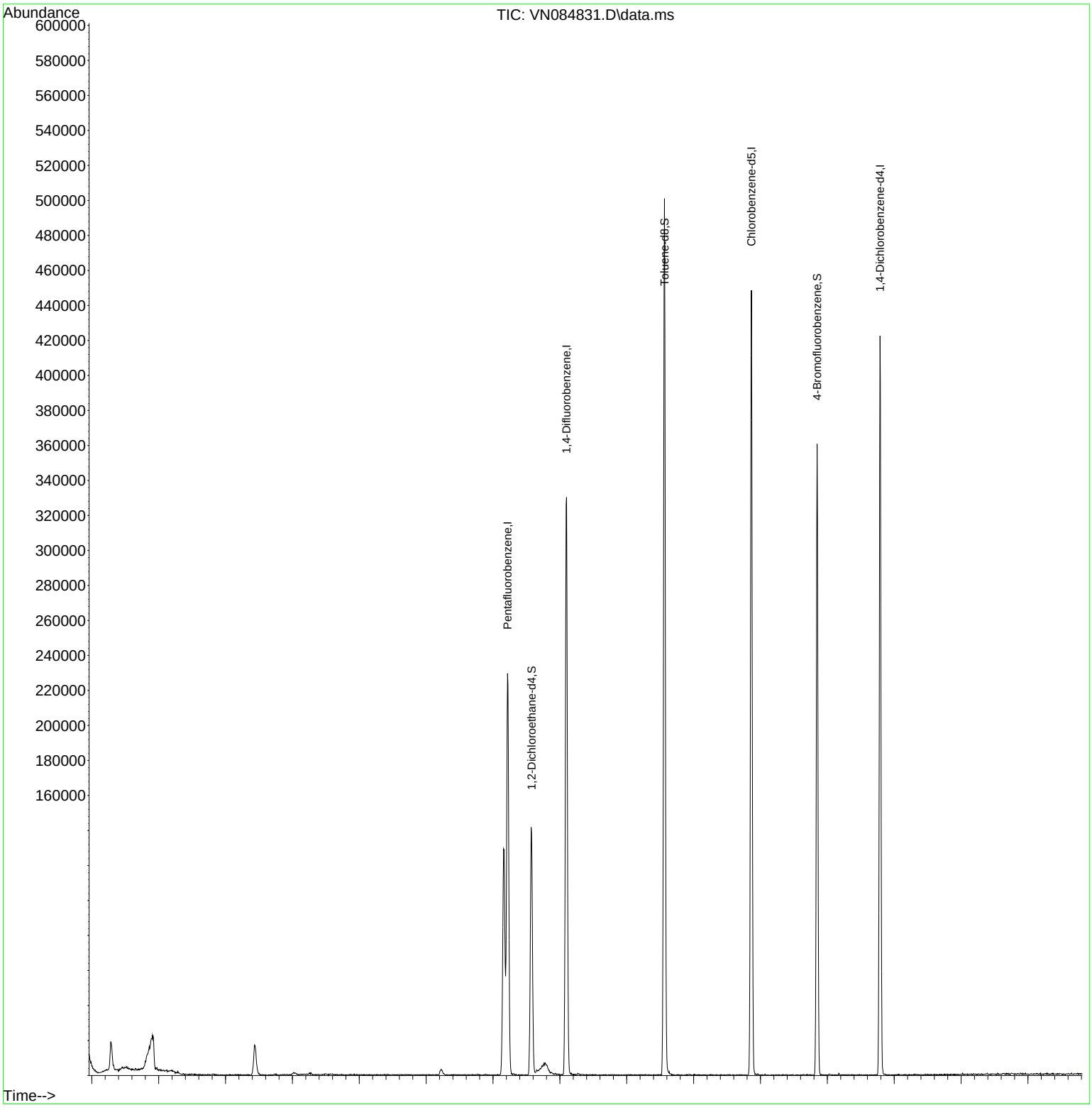
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	166310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292444	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256779	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115326	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118467	49.319	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.640%		
35) Dibromofluoromethane	8.165	113	95395	48.192	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.380%		
50) Toluene-d8	10.565	98	340825	46.741	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.480%		
62) 4-Bromofluorobenzene	12.847	95	124990	45.865	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.720%		
Target Compounds						Qvalue

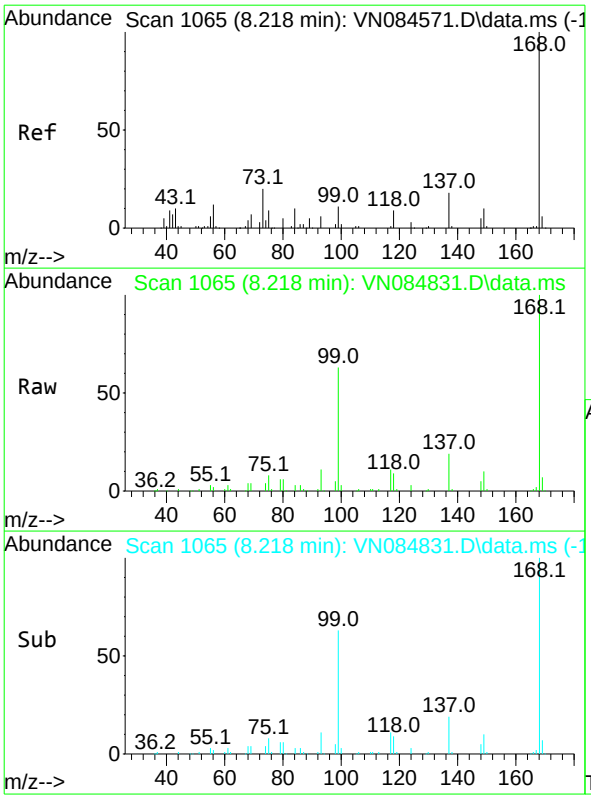
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084831.D
Acq On : 13 Nov 2024 17:11
Operator : JC\MD
Sample : P4780-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Quant Time: Nov 14 00:39:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



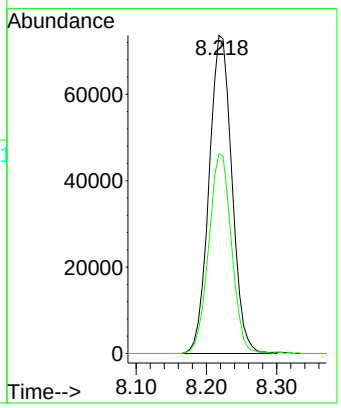


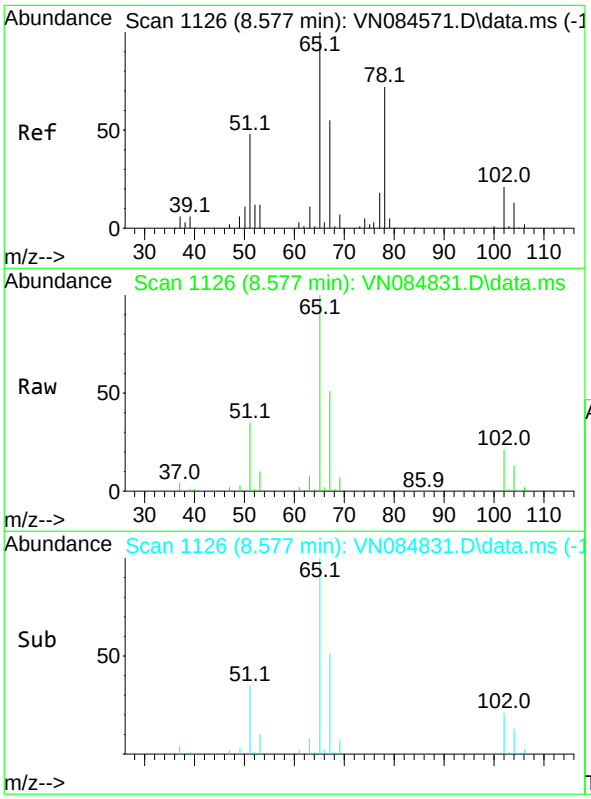
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084831.D
Acq: 13 Nov 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion:168 Resp: 166310

Ion	Ratio	Lower	Upper
168	100		
99	62.7	54.2	81.2

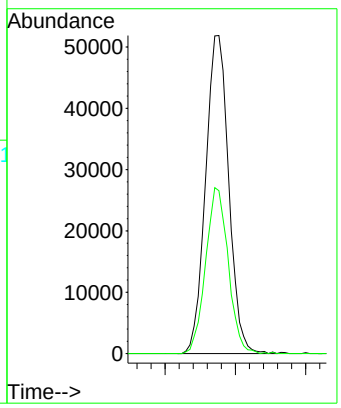


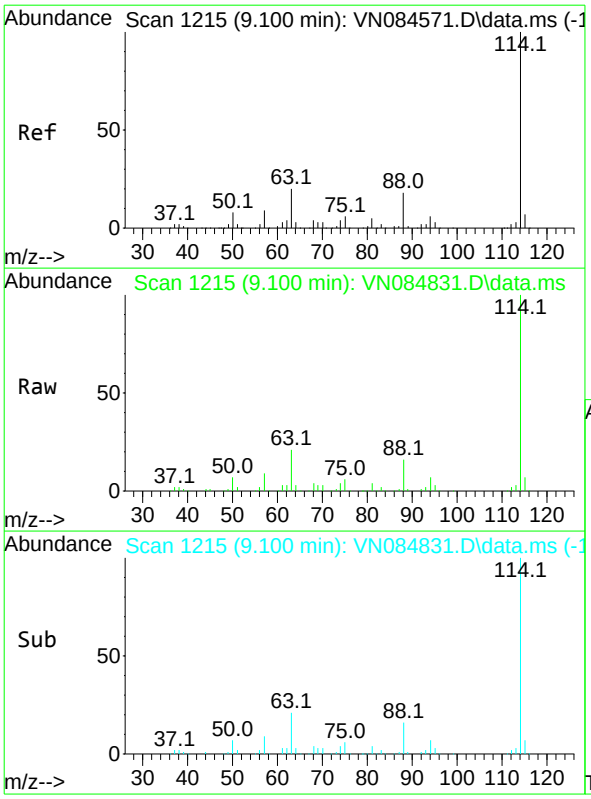


#33
1,2-Dichloroethane-d4
Concen: 49.319 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084831.D
Acq: 13 Nov 2024 17:11

Tgt Ion: 65 Resp: 118467

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.0



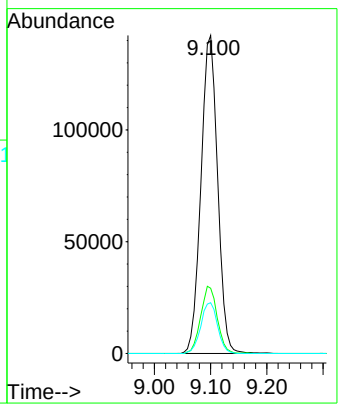


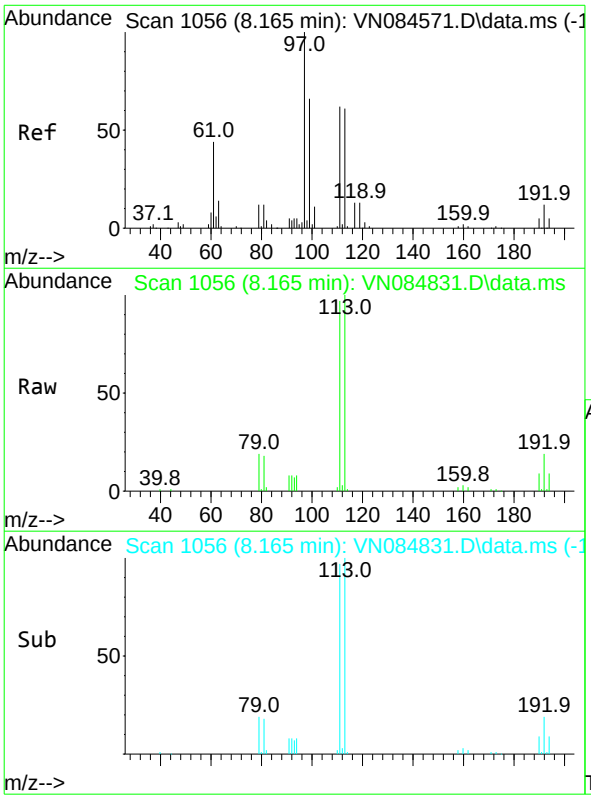
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.000 min
Lab File: VN084831.D
Acq: 13 Nov 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion:114 Resp: 292444

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.8
88	16.0	0.0	31.6

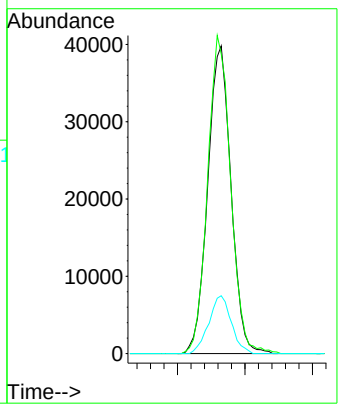


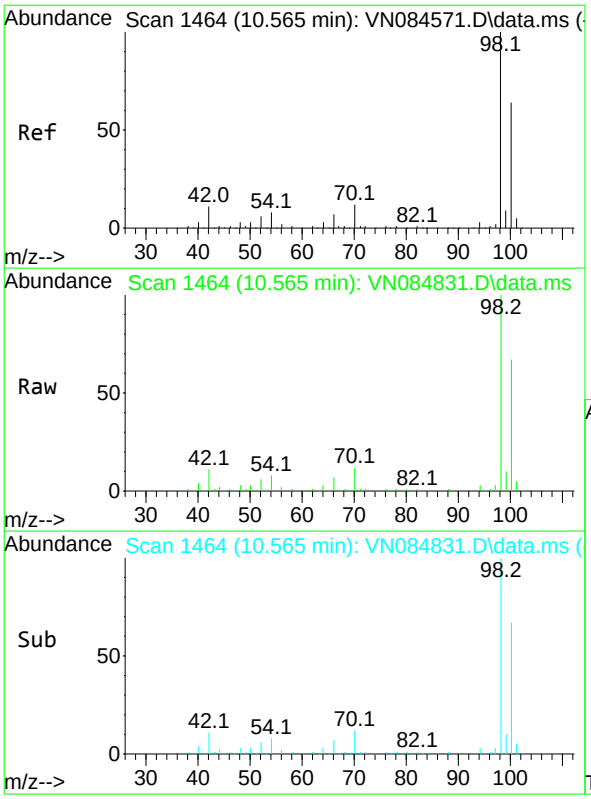


#35
Dibromofluoromethane
Concen: 48.192 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN084831.D
Acq: 13 Nov 2024 17:11

Tgt Ion:113 Resp: 95395

Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.3	124.9
192	18.2	13.5	20.3



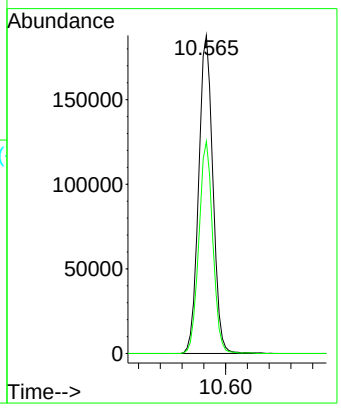


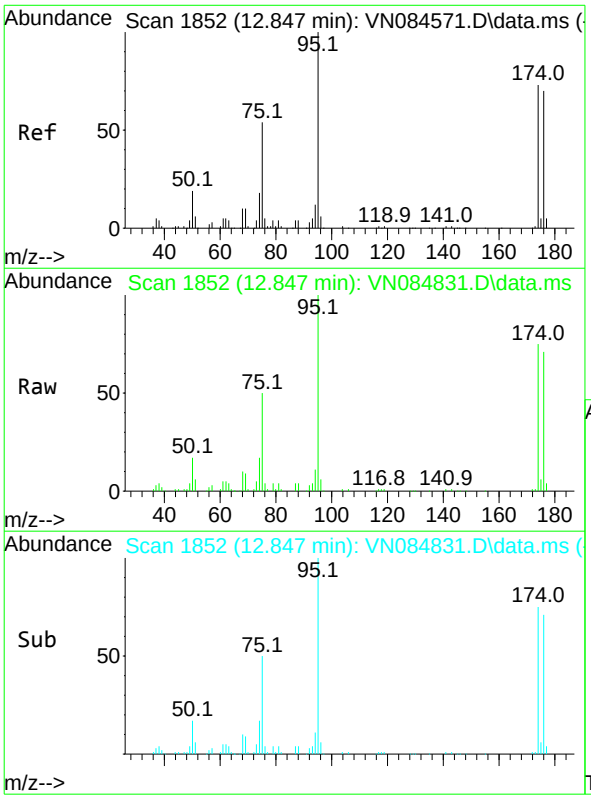
#50
Toluene-d8
Concen: 46.741 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084831.D
Acq: 13 Nov 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion: 98 Resp: 340825

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.7	79.1

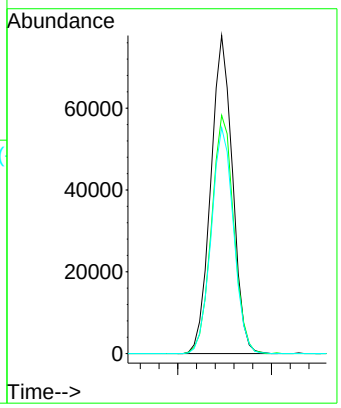


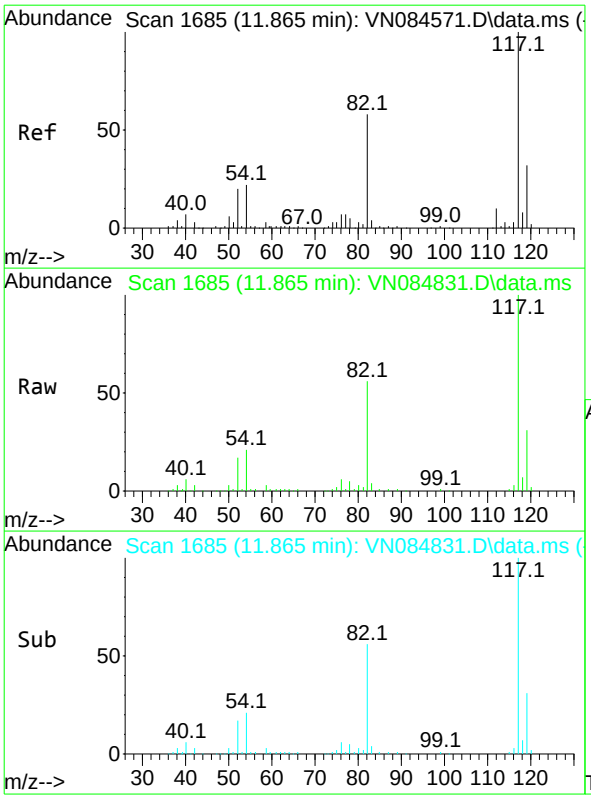


#62
4-Bromofluorobenzene
Concen: 45.865 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084831.D
Acq: 13 Nov 2024 17:11

Tgt Ion: 95 Resp: 124990

Ion	Ratio	Lower	Upper
95	100		
174	76.8	0.0	145.2
176	72.9	0.0	140.0



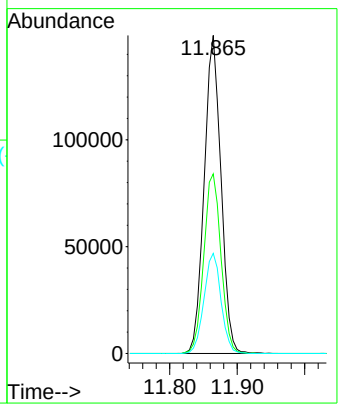


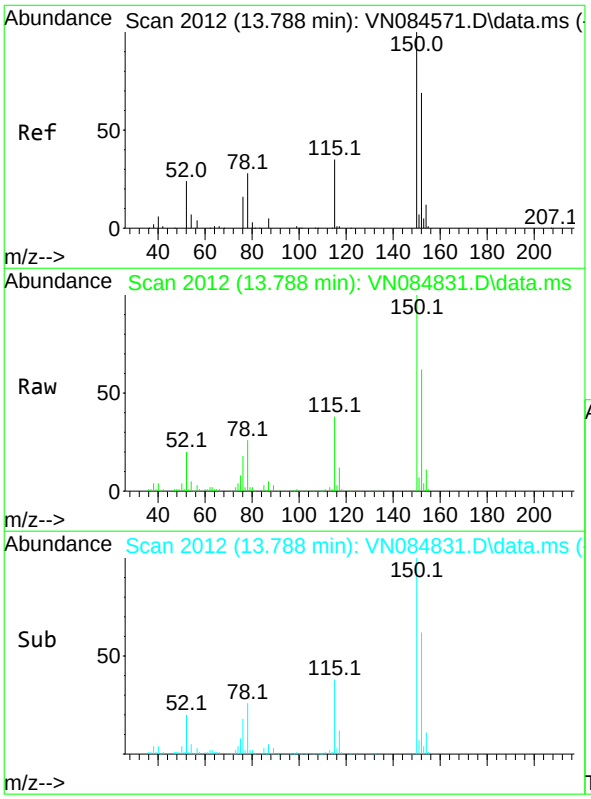
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084831.D
Acq: 13 Nov 2024 17:11

Instrument :
MSVOA_N
ClientSampleId :
Storage-Blank-SAMPLE-MANAGEMENT

Tgt Ion:117 Resp: 256779

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.2	70.8
119	31.5	25.4	38.0

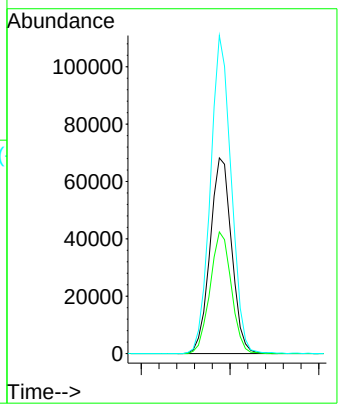




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN084831.D
Acq: 13 Nov 2024 17:11

Tgt Ion:152 Resp: 115326

Ion	Ratio	Lower	Upper
152	100		
115	61.1	31.3	93.9
150	156.9	0.0	349.8



CALIBRATION SUMMARY

Raw Data

Alliance TECHNICAL GROUP

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG No.: P4780

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.571	0.552	0.552	0.598	0.594	0.581	0.575	3.4
Chloromethane	0.658	0.672	0.725	0.871	0.995	1.789	0.952	45.2
Vinyl Chloride	0.613	0.605	0.623	0.636	0.651	0.581	0.618	4
Ethyl Acetate	0.424	0.422	0.429	0.404	0.466	0.410	0.426	5.1
Bromomethane	0.292	0.296	0.310	0.336	0.405		0.328	14.2
Chloroethane	0.378	0.376	0.413	0.426	0.475	0.863	0.488	38.3
Trichlorofluoromethane	0.971	0.959	1.017	1.022	1.070	1.071	1.018	4.7
1,1,2-Trichlorotrifluoroethane	0.566	0.557	0.571	0.585	0.588	0.586	0.575	2.2
Tert butyl alcohol	0.082	0.086	0.090	0.100	0.118		0.095	15.1
1,1-Dichloroethene	0.548	0.538	0.560	0.575	0.552	0.644	0.569	6.8
Acrolein	0.086	0.088	0.101	0.096	0.104		0.095	8.2
Acrylonitrile	0.264	0.271	0.282	0.282	0.294	0.263	0.276	4.4
Acetone	0.209	0.204	0.213	0.223	0.241	0.338	0.238	21.3
Carbon Disulfide	1.604	1.603	1.700	1.714	1.784	2.117	1.753	10.9
Methyl tert-butyl Ether	1.773	1.758	1.802	1.779	1.786	1.572	1.745	4.9
Methyl Acetate	0.731	0.749	0.954	1.044	1.266	2.291	1.172	49.7
Methylene Chloride	0.604	0.602	0.633	0.658	0.714	0.600	0.635	7.1
trans-1,2-Dichloroethene	0.565	0.563	0.596	0.600	0.584	0.601	0.585	2.9
Vinyl Acetate	1.303	1.299	1.306	1.298	1.297	1.090	1.265	6.8
1,1-Dichloroethane	1.067	1.066	1.114	1.127	1.203	1.033	1.102	5.5
Cyclohexane	0.956	0.938	0.956	1.043	1.093		0.997	6.8
2-Butanone	0.316	0.315	0.348	0.338	0.370	0.334	0.337	6.1
Carbon Tetrachloride	0.530	0.514	0.532	0.548	0.537	0.488	0.525	4
2,2-Dichloropropane	0.968	0.941	0.974	0.978	0.959	0.933	0.959	1.9
cis-1,2-Dichloroethene	0.675	0.662	0.697	0.685	0.705	0.673	0.683	2.4
Bromochloromethane	0.483	0.511	0.388	0.415	0.408	0.429	0.439	10.8
Chloroform	1.099	1.086	1.142	1.154	1.222	1.025	1.121	6
1,1,1-Trichloroethane	1.000	0.991	1.046	1.073	1.032	0.980	1.021	3.5
Methylcyclohexane	0.546	0.509	0.495	0.487	0.458	0.371	0.478	12.5
1,1-Dichloropropene	0.476	0.451	0.471	0.468	0.477	0.474	0.469	2

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG No.: P4780

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Benzene	1.494	1.448	1.509	1.507	1.546	1.540	1.507	2.4
1,2-Dichloroethane	0.488	0.494	0.493	0.492	0.503	0.459	0.488	3.1
Trichloroethene	0.339	0.335	0.345	0.338	0.341	0.387	0.348	5.7
1,2-Dichloropropane	0.356	0.348	0.358	0.357	0.373	0.330	0.354	4
Dibromomethane	0.245	0.244	0.257	0.244	0.260	0.247	0.250	2.9
Bromodichloromethane	0.528	0.521	0.526	0.522	0.529	0.530	0.526	0.7
4-Methyl-2-Pentanone	0.424	0.423	0.416	0.417	0.412	0.344	0.406	7.6
Toluene	0.923	0.899	0.919	0.902	0.891	0.757	0.882	7.1
t-1,3-Dichloropropene	0.552	0.543	0.538	0.532	0.547	0.555	0.544	1.6
cis-1,3-Dichloropropene	0.592	0.581	0.582	0.569	0.584	0.548	0.576	2.7
1,1,2-Trichloroethane	0.336	0.329	0.334	0.342	0.342	0.309	0.332	3.7
1,3-Dichloropropane	0.577	0.565	0.579	0.573	0.598	0.527	0.570	4.2
2-Chloroethyl Vinyl ether	0.275	0.262	0.229	0.214	0.202	0.167	0.225	17.6
2-Hexanone	0.314	0.312	0.301	0.297	0.294	0.256	0.296	7.1
Dibromochloromethane	0.404	0.394	0.391	0.393	0.377	0.312	0.378	8.9
1,2-Dibromoethane	0.340	0.333	0.341	0.335	0.355	0.336	0.340	2.4
Tetrachloroethene	0.326	0.313	0.333	0.347	0.351	0.325	0.333	4.3
Chlorobenzene	1.068	1.061	1.149	1.123	1.165	1.146	1.119	3.9
1,1,1,2-Tetrachloroethane	0.375	0.375	0.392	0.390	0.404	0.399	0.389	3
Hexachloroethane	0.578	0.589	0.617	0.633	0.626	0.681	0.621	5.9
Ethyl Benzene	1.957	1.891	1.928	1.880	1.849	1.697	1.867	4.9
m/p-Xylenes	0.737	0.728	0.737	0.701	0.683	0.654	0.707	4.8
o-Xylene	0.703	0.690	0.701	0.679	0.645	0.550	0.661	8.9
Styrene	1.223	1.205	1.206	1.144	1.093	1.050	1.154	6.1
Bromoform	0.287	0.295	0.298	0.289	0.302	0.286	0.293	2.3
Isopropylbenzene	3.558	3.570	3.701	3.605	3.402	3.188	3.504	5.2
1,1,2,2-Tetrachloroethane	1.052	1.073	1.163	1.190	1.317	1.222	1.170	8.4
1,2,3-Trichloropropane	0.873	0.887	0.958	1.020	1.013	1.246	0.999	13.6
Bromobenzene	0.860	0.883	0.921	0.943	0.931	1.114	0.942	9.5
n-propylbenzene	4.233	4.236	4.316	4.188	4.041	3.621	4.106	6.2

* 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.

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG No.: P4780

Instrument ID: MSVOA_N Calibration Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Calibration Time(s): 11:46 13:45

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

LAB FILE ID: RRF100 = VN084570.D RRF050 = VN084571.D RRF020 = VN084572.D
RRF010 = VN084573.D RRF005 = VN084574.D RRF001 = VN084575.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
2-Chlorotoluene	2.581	2.621	2.848	2.700	2.746	2.601	2.683	3.8
1,3,5-Trimethylbenzene	3.037	3.068	3.099	3.038	2.765	2.418	2.904	9.2
4-Chlorotoluene	2.667	2.716	2.838	2.822	2.848	3.049	2.823	4.7
tert-Butylbenzene	2.617	2.531	2.648	2.461	2.271	1.893	2.403	11.8
1,2,4-Trimethylbenzene	3.151	3.148	3.265	3.075	2.766	2.579	2.997	8.9
sec-Butylbenzene	3.600	3.538	3.608	3.517	3.145	2.962	3.395	8
p-Isopropyltoluene	3.075	3.050	3.003	2.843	2.518	2.218	2.784	12.4
1,3-Dichlorobenzene	1.642	1.668	1.770	1.802	1.884	2.264	1.838	12.3
1,4-Dichlorobenzene	1.646	1.674	1.782	1.867	1.879	2.773	1.937	21.7
n-Butylbenzene	2.728	2.619	2.623	2.457	2.454	2.747	2.605	4.9
1,2-Dichlorobenzene	1.601	1.618	1.748	1.732	1.879	2.021	1.766	9.1
1,2-Dibromo-3-Chloropropane	0.204	0.217	0.229	0.226	0.274	0.272	0.237	12.3
1,2,4-Trichlorobenzene	0.852	0.865	0.895	0.881	0.956	1.353	0.967	19.9
Hexachlorobutadiene	0.359	0.369	0.426	0.403	0.438	0.551	0.425	16.3
Naphthalene	2.778	2.780	2.953	2.710	2.788	3.355	2.894	8.3
1,2,3-Trichlorobenzene	0.832	0.841	0.953	0.877	0.939	1.189	0.939	14.1
1,2-Dichloroethane-d4	0.689	0.721	0.708	0.722	0.771		0.722	4.2
Dibromofluoromethane	0.334	0.344	0.326	0.336	0.353		0.338	3.1
Toluene-d8	1.267	1.303	1.216	1.231	1.217		1.247	3
4-Bromofluorobenzene	0.481	0.493	0.450	0.451	0.454		0.466	4.3

* 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.

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024
Response Via : Initial Calibration

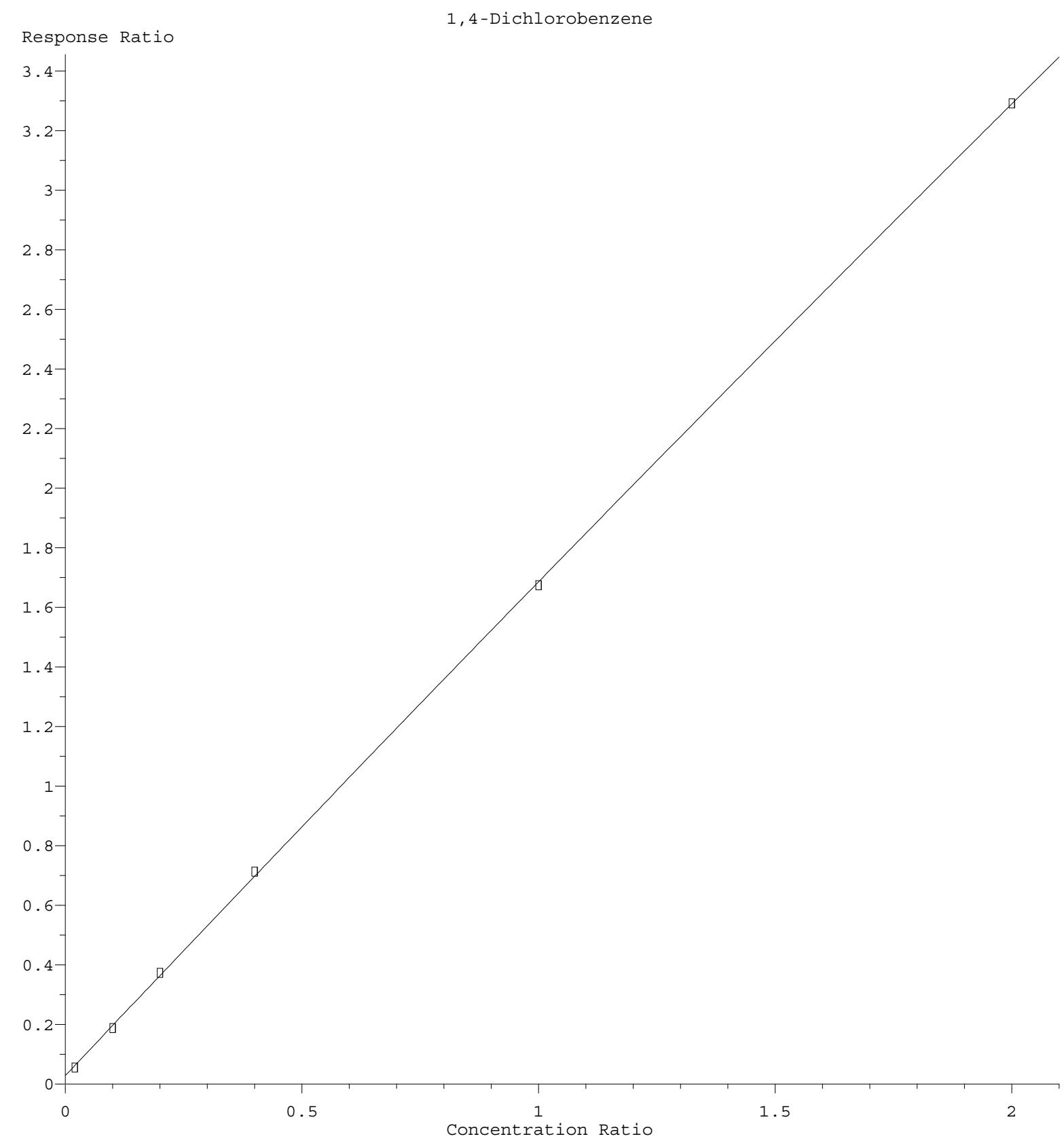
Calibration Files
1 =VN084575.D 5 =VN084574.D 10 =VN084573.D 20 =VN084572.D 50 =VN084571.D 100 =VN084570.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.581	0.594	0.598	0.552	0.552	0.571	0.575	3.43
3)	P	Chloromethane	1.789	0.995	0.871	0.725	0.672	0.658	0.952	45.21
4)	C	Vinyl Chloride	0.581	0.651	0.636	0.623	0.605	0.613	0.618	3.98#
5)	T	Bromomethane		0.405	0.336	0.310	0.296	0.292	0.328	14.16
6)	T	Chloroethane	0.863	0.475	0.426	0.413	0.376	0.378	0.488	38.29
7)	T	Trichlorofluor...	1.071	1.070	1.022	1.017	0.959	0.971	1.018	4.66
8)	T	Diethyl Ether	0.358	0.371	0.364	0.359	0.353	0.351	0.359	2.08
9)	T	1,1,2-Trichlor...	0.586	0.588	0.585	0.571	0.557	0.566	0.575	2.23
10)	T	Methyl Iodide		0.817	0.800	0.764	0.736	0.728	0.769	5.08
11)	T	Tert butyl alc...		0.118	0.100	0.090	0.086	0.082	0.095	15.11
12)	CM	1,1-Dichloroet...	0.644	0.552	0.575	0.560	0.538	0.548	0.569	6.78#
13)	T	Acrolein		0.104	0.096	0.101	0.088	0.086	0.095	8.16
14)	T	Allyl chloride	0.849	0.977	0.925	0.939	0.917	0.934	0.923	4.56
15)	T	Acrylonitrile	0.263	0.294	0.282	0.282	0.271	0.264	0.276	4.42
16)	T	Acetone	0.338	0.241	0.223	0.213	0.204	0.209	0.238	21.31
17)	T	Carbon Disulfide	2.117	1.784	1.714	1.700	1.603	1.604	1.753	10.90
18)	T	Methyl Acetate	2.291	1.266	1.044	0.954	0.749	0.731	1.172	49.71
19)	T	Methyl tert-bu...	1.572	1.786	1.779	1.802	1.758	1.773	1.745	4.92
20)	T	Methylene Chlo...	0.600	0.714	0.658	0.633	0.602	0.604	0.635	7.09
21)	T	trans-1,2-Dich...	0.601	0.584	0.600	0.596	0.563	0.565	0.585	2.94
22)	T	Diisopropyl ether	1.623	1.843	1.909	1.921	1.855	1.858	1.835	5.91
23)	T	Vinyl Acetate	1.090	1.297	1.298	1.306	1.299	1.303	1.265	6.81
24)	P	1,1-Dichloroet...	1.033	1.203	1.127	1.114	1.066	1.067	1.102	5.49
25)	T	2-Butanone	0.334	0.370	0.338	0.348	0.315	0.316	0.337	6.14
26)	T	2,2-Dichloropr...	0.933	0.959	0.978	0.974	0.941	0.968	0.959	1.93
27)	T	cis-1,2-Dichlo...	0.673	0.705	0.685	0.697	0.662	0.675	0.683	2.38
28)	T	Bromochloromet...	0.429	0.408	0.415	0.388	0.511	0.483	0.439	10.79
29)	T	Tetrahydrofuran	0.197	0.236	0.234	0.231	0.222	0.221	0.224	6.52
30)	C	Chloroform	1.025	1.222	1.154	1.142	1.086	1.099	1.121	6.02#
31)	T	Cyclohexane		1.093	1.043	0.956	0.938	0.956	0.997	6.75
32)	T	1,1,1-Trichlor...	0.980	1.032	1.073	1.046	0.991	1.000	1.021	3.53
33)	S	1,2-Dichloroet...		0.771	0.722	0.708	0.721	0.689	0.722	4.20
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.353	0.336	0.326	0.344	0.334	0.338	3.07
36)	T	1,1-Dichloropr...	0.474	0.477	0.468	0.471	0.451	0.476	0.469	2.02
37)	T	Ethyl Acetate	0.410	0.466	0.404	0.429	0.422	0.424	0.426	5.14
38)	T	Carbon Tetrach...	0.488	0.537	0.548	0.532	0.514	0.530	0.525	4.04
39)	T	Methylcyclohexane	0.371	0.458	0.487	0.495	0.509	0.546	0.478	12.46
40)	TM	Benzene	1.540	1.546	1.507	1.509	1.448	1.494	1.507	2.35
41)	T	Methacrylonitrile	0.184	0.238	0.232	0.239	0.246	0.235	0.229	9.89
42)	TM	1,2-Dichloroet...	0.459	0.503	0.492	0.493	0.494	0.488	0.488	3.10
43)	T	Isopropyl Acetate	1.297	1.009	0.895	0.820	0.756	0.786	0.927	21.85
44)	TM	Trichloroethene	0.387	0.341	0.338	0.345	0.335	0.339	0.348	5.66
45)	C	1,2-Dichloropr...	0.330	0.373	0.357	0.358	0.348	0.356	0.354	3.95#
46)	T	Dibromomethane	0.247	0.260	0.244	0.257	0.244	0.245	0.250	2.89
47)	T	Bromodichlorom...	0.530	0.529	0.522	0.526	0.521	0.528	0.526	0.70
48)	T	Methyl methacr...	0.277	0.335	0.336	0.339	0.346	0.355	0.331	8.32
49)	T	1,4-Dioxane	0.005	0.006	0.006	0.006	0.006	0.006	0.006	8.90
50)	S	Toluene-d8		1.217	1.231	1.216	1.303	1.267	1.247	3.02
51)	T	4-Methyl-2-Pen...	0.344	0.412	0.417	0.416	0.423	0.424	0.406	7.59
52)	CM	Toluene	0.757	0.891	0.902	0.919	0.899	0.923	0.882	7.07#
53)	T	t-1,3-Dichloro...	0.555	0.547	0.532	0.538	0.543	0.552	0.544	1.60
54)	T	cis-1,3-Dichlo...	0.548	0.584	0.569	0.582	0.581	0.592	0.576	2.69
55)	T	1,1,2-Trichlor...	0.309	0.342	0.342	0.334	0.329	0.336	0.332	3.72

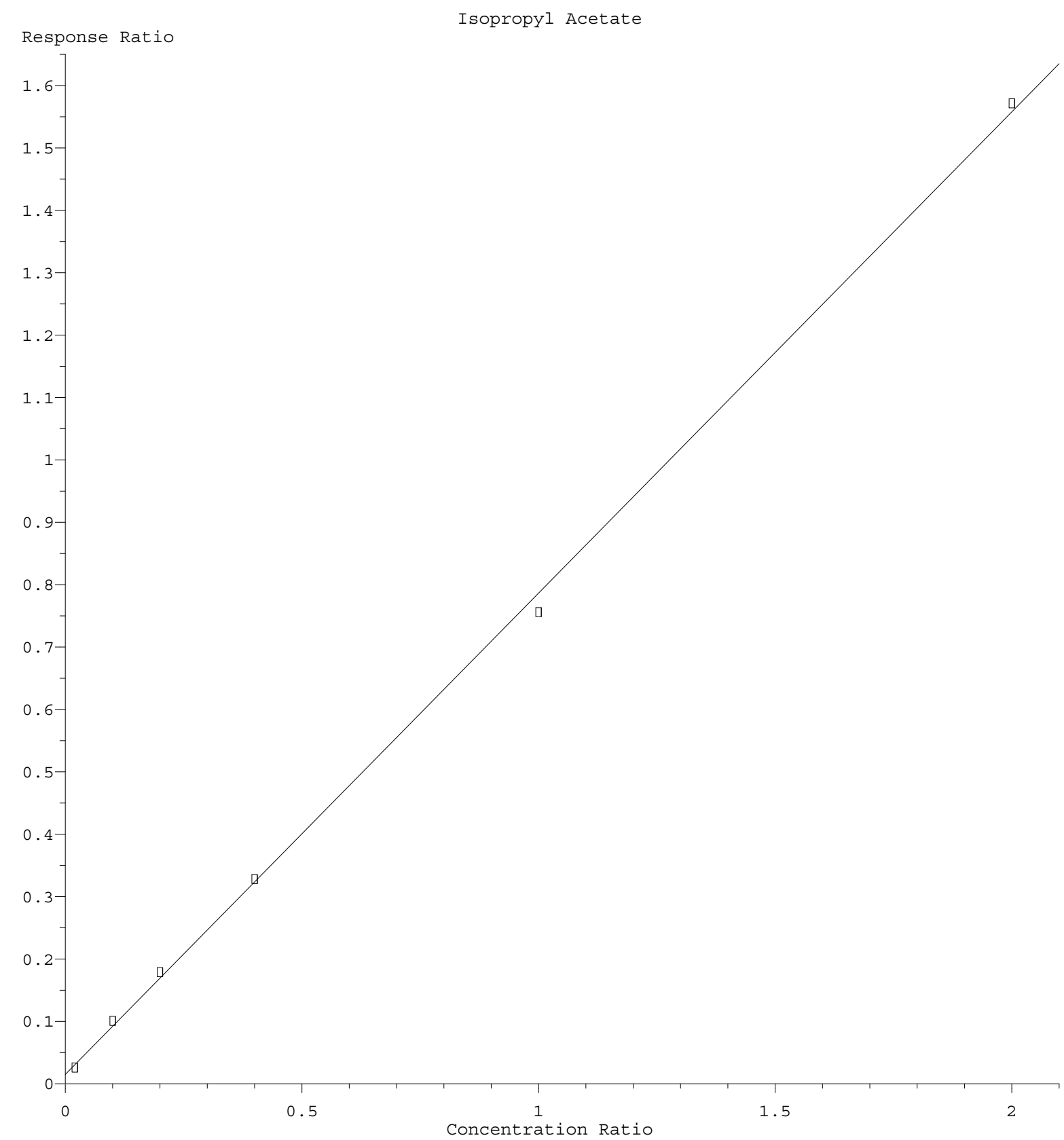
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N103024W.M

56)	T	Ethyl methacry...	0.371	0.449	0.477	0.495	0.539	0.550	0.480	13.66
57)	T	1,3-Dichloropr...	0.527	0.598	0.573	0.579	0.565	0.577	0.570	4.16
58)	T	2-Chloroethyl ...	0.167	0.202	0.214	0.229	0.262	0.275	0.225	17.62
59)	T	2-Hexanone	0.256	0.294	0.297	0.301	0.312	0.314	0.296	7.11
60)	T	Dibromochlorom...	0.312	0.377	0.393	0.391	0.394	0.404	0.378	8.92
61)	T	1,2-Dibromoethane	0.336	0.355	0.335	0.341	0.333	0.340	0.340	2.38
62)	S	4-Bromofluorob...		0.454	0.451	0.450	0.493	0.481	0.466	4.26
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.325	0.351	0.347	0.333	0.313	0.326	0.333	4.29
65)	PM	Chlorobenzene	1.146	1.164	1.123	1.149	1.061	1.068	1.119	3.93
66)	T	1,1,1,2-Tetrac...	0.399	0.404	0.390	0.392	0.375	0.375	0.389	3.01
67)	C	Ethyl Benzene	1.697	1.849	1.880	1.928	1.891	1.957	1.867	4.90#
68)	T	m/p-Xylenes	0.654	0.683	0.701	0.737	0.728	0.737	0.707	4.76
69)	T	o-Xylene	0.550	0.645	0.679	0.701	0.690	0.703	0.661	8.89
70)	T	Styrene	1.050	1.093	1.144	1.206	1.205	1.223	1.154	6.11
71)	P	Bromoform	0.286	0.302	0.289	0.298	0.295	0.287	0.293	2.26
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.188	3.402	3.605	3.701	3.570	3.558	3.504	5.21
74)	T	N-amyl acetate	1.223	1.572	1.527	1.552	1.528	1.546	1.491	8.88
75)	P	1,1,2,2-Tetrac...	1.222	1.317	1.190	1.163	1.073	1.052	1.170	8.39
76)	T	1,2,3-Trichlor...	1.246	1.013	1.020	0.958	0.887	0.873	0.999	13.58
77)	T	Bromobenzene	1.114	0.931	0.943	0.921	0.883	0.860	0.942	9.52
78)	T	n-propylbenzene	3.621	4.041	4.188	4.316	4.236	4.233	4.106	6.19
79)	T	2-Chlorotoluene	2.601	2.746	2.700	2.848	2.621	2.581	2.683	3.82
80)	T	1,3,5-Trimethy...	2.418	2.765	3.038	3.099	3.068	3.037	2.904	9.19
81)	T	trans-1,4-Dich...		0.431	0.446	0.423	0.401	0.406	0.421	4.33
82)	T	4-Chlorotoluene	3.049	2.848	2.822	2.838	2.716	2.667	2.823	4.70
83)	T	tert-Butylbenzene	1.893	2.271	2.461	2.648	2.531	2.617	2.403	11.81
84)	T	1,2,4-Trimethy...	2.579	2.766	3.075	3.265	3.148	3.151	2.997	8.86
85)	T	sec-Butylbenzene	2.962	3.145	3.517	3.608	3.538	3.600	3.395	8.04
86)	T	p-Isopropyltol...	2.218	2.518	2.843	3.003	3.050	3.075	2.784	12.43
87)	T	1,3-Dichlorobe...	2.264	1.884	1.802	1.770	1.668	1.642	1.838	12.33
88)	T	1,4-Dichlorobe...	2.773	1.879	1.867	1.782	1.674	1.646	1.937	21.72
89)	T	n-Butylbenzene	2.747	2.454	2.457	2.623	2.619	2.728	2.605	4.88
90)	T	Hexachloroethane	0.681	0.626	0.633	0.617	0.589	0.578	0.621	5.88
91)	T	1,2-Dichlorobe...	2.021	1.879	1.732	1.748	1.618	1.601	1.766	9.07
92)	T	1,2-Dibromo-3-...	0.272	0.274	0.226	0.229	0.217	0.204	0.237	12.28
93)	T	1,2,4-Trichlor...	1.353	0.956	0.881	0.895	0.865	0.852	0.967	19.90
94)	T	Hexachlorobuta...	0.551	0.438	0.403	0.426	0.369	0.359	0.425	16.33
95)	T	Naphthalene	3.355	2.788	2.710	2.953	2.780	2.778	2.894	8.29
96)	T	1,2,3-Trichlor...	1.189	0.939	0.877	0.953	0.841	0.832	0.939	14.09

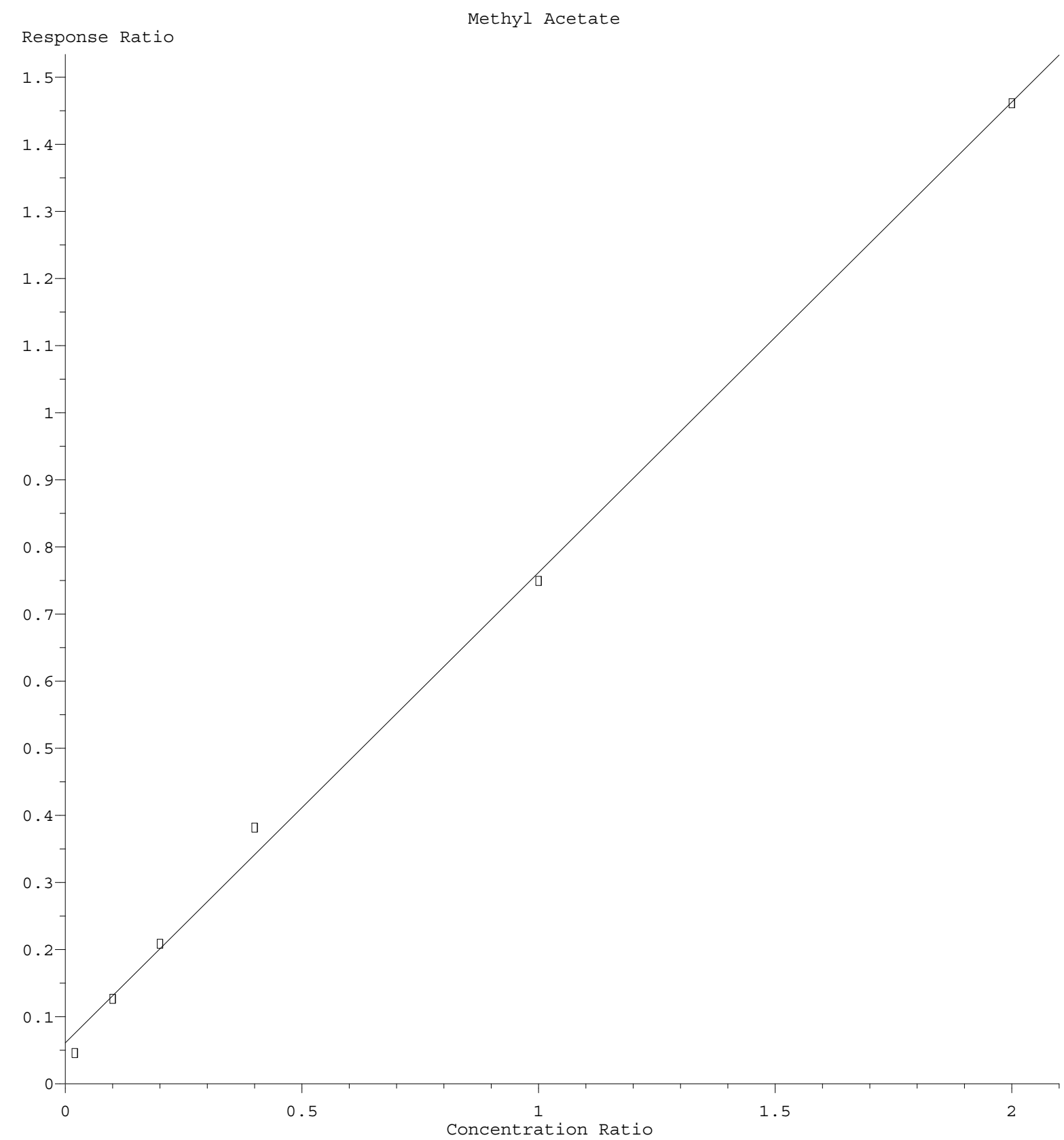
(#) = Out of Range



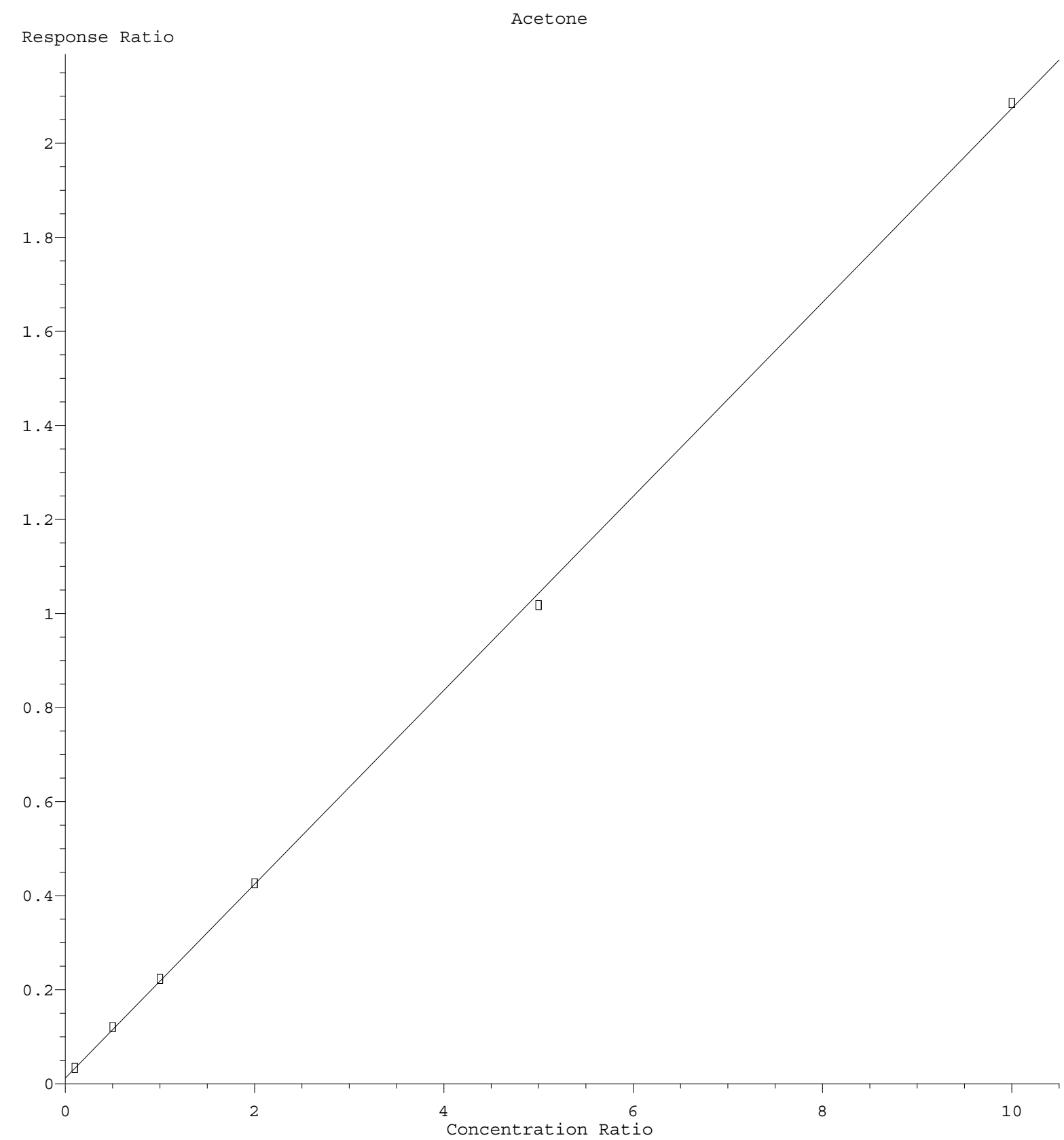
R = -2.647e-002 A*A + 1.683e+000 A + 2.851e-002
Coef of Det (r^2) = 0.999927 Curve Fit: Quadratic
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



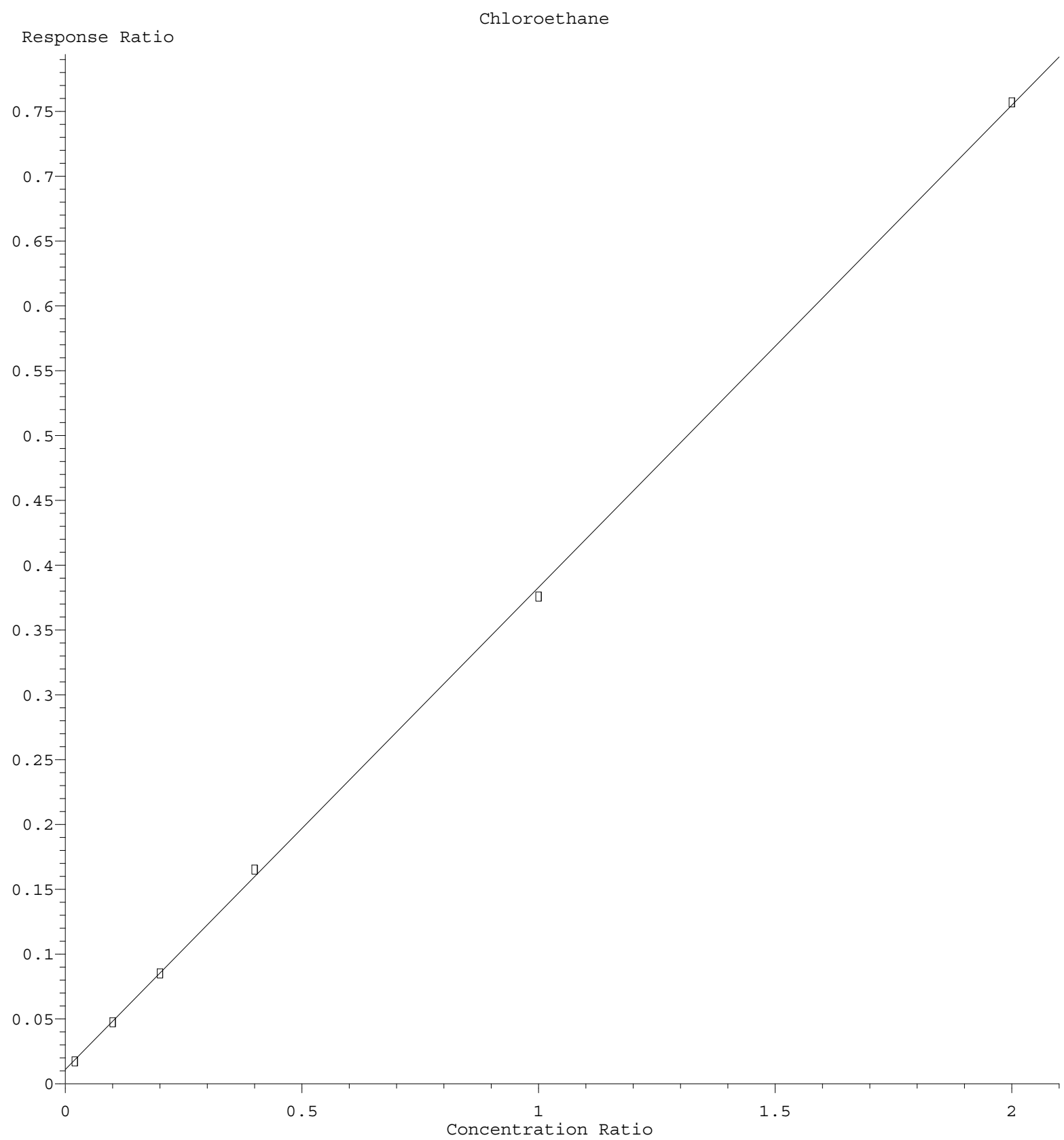
Response = 7.716e-001 * Amt + 1.519e-002
Coef of Det (r^2) = 0.999234 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



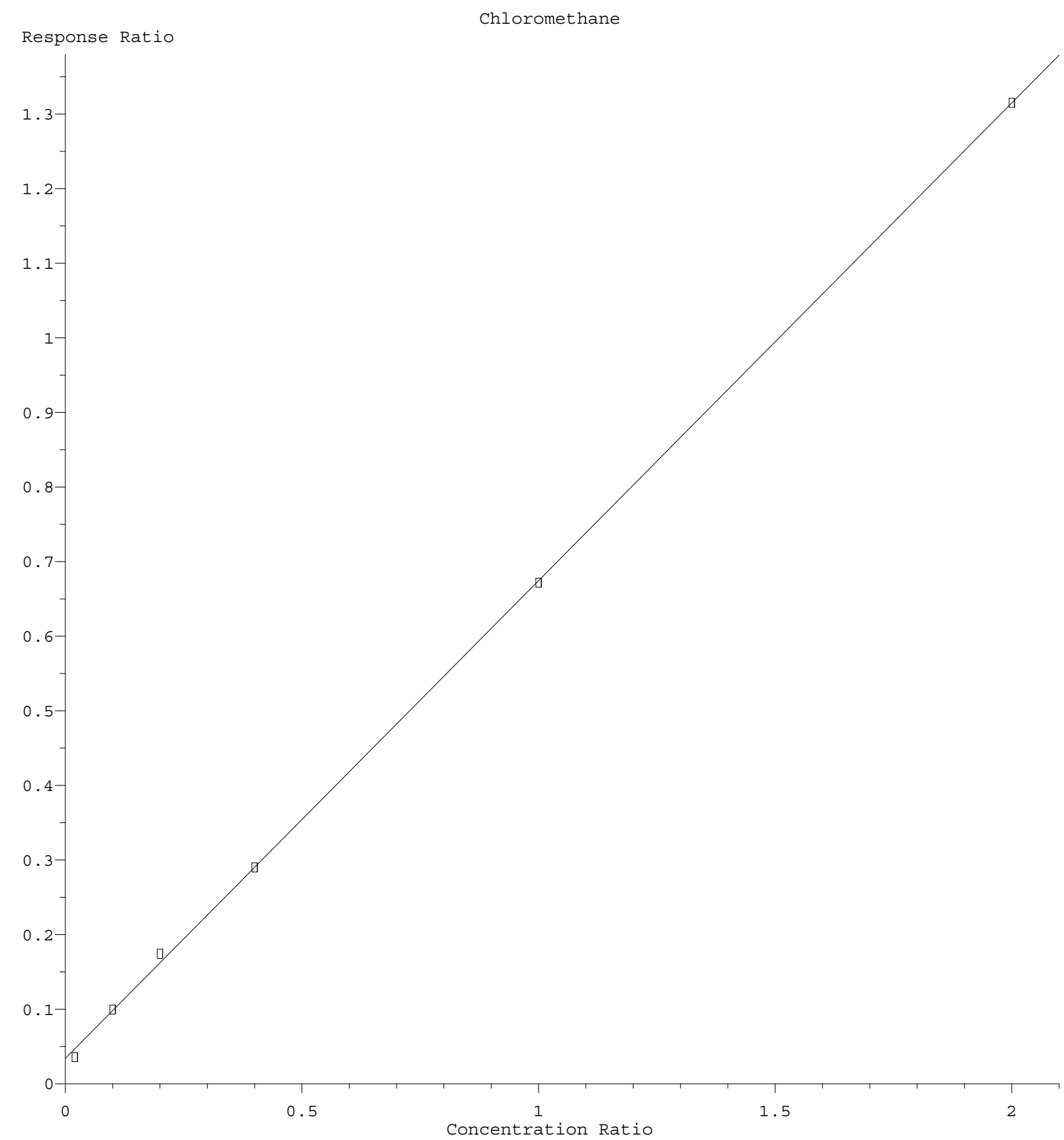
Response = 7.012e-001 * Amt + 6.084e-002
Coef of Det (r^2) = 0.998099 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 2.062e-001 * Amt + 1.190e-002
Coef of Det (r^2) = 0.999735 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 3.720e-001 * Amt + 1.067e-002
Coef of Det (r^2) = 0.999785 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024



Response = 6.405e-001 * Amt + 3.399e-002
Coef of Det (r^2) = 0.999766 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N103024W.M
Calibration Table Last Updated: Thu Oct 31 18:45:38 2024

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	187429	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	309230	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	282514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	142702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	258269	95.404	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 190.800%#			
35) Dibromofluoromethane	8.165	113	206417	98.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 197.240%#			
50) Toluene-d8	10.565	98	783727	101.646	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 203.300%#			
62) 4-Bromofluorobenzene	12.847	95	297647	103.292	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 206.580%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	214094	99.364	ug/l	93
3) Chloromethane	2.359	50	246492	100.015	ug/l	97
4) Vinyl Chloride	2.512	62	229760	99.144	ug/l	99
5) Bromomethane	2.901	94	109436	89.128	ug/l	97
6) Chloroethane	3.071	64	141883	100.310	ug/l	98
7) Trichlorofluoromethane	3.465	101	363937	95.335	ug/l	100
8) Diethyl Ether	3.953	74	131399	97.575	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.347	101	212244	98.394	ug/l	99
10) Methyl Iodide	4.577	142	272990	94.692	ug/l	96
11) Tert butyl alcohol	5.547	59	153595	429.840	ug/l	100
12) 1,1-Dichloroethene	4.324	96	205332	96.200	ug/l	98
13) Acrolein	4.171	56	161607	453.545	ug/l	100
14) Allyl chloride	5.012	41	350014	101.116	ug/l	92
15) Acrylonitrile	5.712	53	494070	477.613	ug/l	100
16) Acetone	4.424	43	390888	502.753	ug/l	98
17) Carbon Disulfide	4.700	76	601202	91.464	ug/l	99
18) Methyl Acetate	5.018	43	273870	99.857	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	664800	101.618	ug/l	99
20) Methylene Chloride	5.271	84	226231	95.017	ug/l	90
21) trans-1,2-Dichloroethene	5.777	96	211649	96.569	ug/l	93
22) Diisopropyl ether	6.665	45	696527	101.268	ug/l	99
23) Vinyl Acetate	6.600	43	2441301	514.697	ug/l	99
24) 1,1-Dichloroethane	6.559	63	399999	96.866	ug/l	98
25) 2-Butanone	7.483	43	591863	468.634	ug/l	98
26) 2,2-Dichloropropane	7.483	77	362927	100.979	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	252932	98.835	ug/l	96
28) Bromochloromethane	7.812	49	180881	109.944	ug/l	96
29) Tetrahydrofuran	7.835	42	415033	495.347	ug/l	97
30) Chloroform	7.959	83	412084	98.045	ug/l	100
31) Cyclohexane	8.253	56	358350	95.881	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	374940	98.012	ug/l	98
36) 1,1-Dichloropropene	8.365	75	294131	101.323	ug/l	99
37) Ethyl Acetate	7.559	43	262200	99.553	ug/l	98
38) Carbon Tetrachloride	8.359	117	327651	100.981	ug/l	98
39) Methylcyclohexane	9.600	83	337677	114.344	ug/l	97
40) Benzene	8.600	78	924038	99.119	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	145041	102.406 ug/l	95
42) 1,2-Dichloroethane	8.665	62	301932	100.005 ug/l	100
43) Isopropyl Acetate	8.688	43	485962	100.857 ug/l	99
44) Trichloroethene	9.347	130	209438	97.413 ug/l	98
45) 1,2-Dichloropropane	9.618	63	220258	100.718 ug/l	95
46) Dibromomethane	9.706	93	151661	98.281 ug/l	98
47) Bromodichloromethane	9.888	83	326466	100.364 ug/l #	96
48) Methyl methacrylate	9.677	41	219838	107.249 ug/l	98
49) 1,4-Dioxane	9.694	88	76189	2097.505 ug/l #	80
51) 4-Methyl-2-Pentanone	10.447	43	1312148	522.607 ug/l	99
52) Toluene	10.629	92	570832	104.696 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	341196	101.334 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	366358	102.804 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	207689	101.124 ug/l	97
56) Ethyl methacrylate	10.871	69	340367	114.573 ug/l	97
57) 1,3-Dichloropropane	11.165	76	357131	101.320 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	849817	611.330 ug/l	98
59) 2-Hexanone	11.194	43	971064	531.346 ug/l	97
60) Dibromochloromethane	11.359	129	249733	106.691 ug/l	99
61) 1,2-Dibromoethane	11.471	107	210043	99.870 ug/l	100
64) Tetrachloroethene	11.100	164	184478	98.169 ug/l	96
65) Chlorobenzene	11.888	112	603595	95.500 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	212055	96.458 ug/l	99
67) Ethyl Benzene	11.965	91	1106035	104.837 ug/l	99
68) m/p-Xylenes	12.070	106	832448	208.419 ug/l	99
69) o-Xylene	12.400	106	397449	106.372 ug/l	100
70) Styrene	12.412	104	691175	106.042 ug/l	98
71) Bromoform	12.582	173	162189	98.044 ug/l #	97
73) Isopropylbenzene	12.694	105	1015352	101.533 ug/l	100
74) N-amyl acetate	12.494	43	441232	103.666 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	300162	89.924 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	249062m	88.446 ug/l	
77) Bromobenzene	12.982	156	245558	91.341 ug/l	94
78) n-propylbenzene	13.035	91	1208185	103.100 ug/l	98
79) 2-Chlorotoluene	13.123	91	736738	96.217 ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	866736	104.573 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	115847	96.347 ug/l	98
82) 4-Chlorotoluene	13.217	91	761196	94.462 ug/l	99
83) tert-Butylbenzene	13.435	119	746926	108.888 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	899374	105.136 ug/l	99
85) sec-Butylbenzene	13.617	105	1027413	106.032 ug/l	99
86) p-Isopropyltoluene	13.729	119	877717	110.451 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	468620	89.320 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	469714	100.067 ug/l	98
89) n-Butylbenzene	14.053	91	778487	104.727 ug/l	100
90) Hexachloroethane	14.335	117	165030	93.123 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	456925	90.631 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	58247	86.136 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	243087	88.091 ug/l	99
94) Hexachlorobutadiene	15.500	225	102558	84.631 ug/l	99
95) Naphthalene	15.641	128	792903	95.997 ug/l	99
96) 1,2,3-Trichlorobenzene	15.841	180	237515	88.667 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

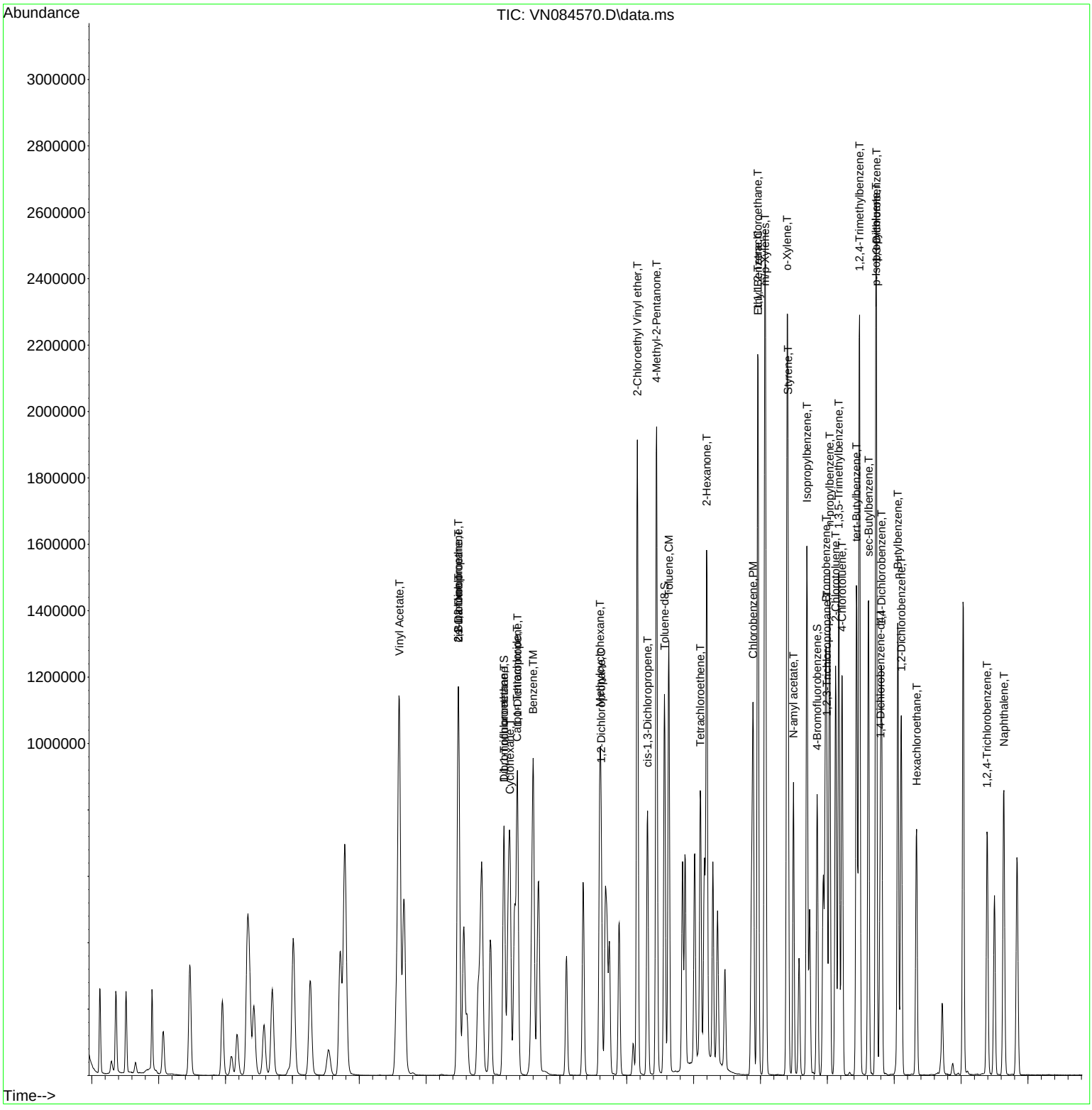
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084570.D
Acq On : 30 Oct 2024 11:46
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	186594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311554	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	279228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	138307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	134521	49.914	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.820%			
35) Dibromofluoromethane	8.165	113	107131	50.801	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.600%			
50) Toluene-d8	10.565	98	405874	52.247	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.500%			
62) 4-Bromofluorobenzene	12.847	95	153622	52.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	103092	48.061	ug/l	97
3) Chloromethane	2.365	50	125344	49.788	ug/l	95
4) Vinyl Chloride	2.512	62	112961	48.962	ug/l	95
5) Bromomethane	2.901	94	55194	45.153	ug/l	100
6) Chloroethane	3.071	64	70126	49.078	ug/l	96
7) Trichlorofluoromethane	3.471	101	178947	47.086	ug/l	97
8) Diethyl Ether	3.953	74	65946	49.190	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.353	101	103864	48.366	ug/l	98
10) Methyl Iodide	4.583	142	137274	47.829	ug/l	97
11) Tert butyl alcohol	5.536	59	80598	226.565	ug/l	100
12) 1,1-Dichloroethene	4.324	96	100445	47.270	ug/l	96
13) Acrolein	4.171	56	82129	231.524	ug/l	99
14) Allyl chloride	5.012	41	171045	49.635	ug/l	92
15) Acrylonitrile	5.718	53	252853	245.525	ug/l	98
16) Acetone	4.424	43	189949	243.925	ug/l	99
17) Carbon Disulfide	4.700	76	299041	45.698	ug/l	99
18) Methyl Acetate	5.024	43	139826	49.097	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	328099	50.376	ug/l	97
20) Methylene Chloride	5.271	84	112282	47.370	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	105050	48.146	ug/l	96
22) Diisopropyl ether	6.671	45	346126	50.549	ug/l	98
23) Vinyl Acetate	6.600	43	1212022	256.673	ug/l	99
24) 1,1-Dichloroethane	6.559	63	198817	48.362	ug/l	100
25) 2-Butanone	7.483	43	294207	233.994	ug/l	98
26) 2,2-Dichloropropane	7.483	77	175511	49.052	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	123436	48.450	ug/l	97
28) Bromochloromethane	7.812	49	95269	58.166	ug/l	95
29) Tetrahydrofuran	7.835	42	206980	248.139	ug/l	97
30) Chloroform	7.965	83	202589	48.417	ug/l	98
31) Cyclohexane	8.253	56	175038	47.043	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	184986	48.573	ug/l	98
36) 1,1-Dichloropropene	8.365	75	140593	48.071	ug/l	99
37) Ethyl Acetate	7.553	43	131332	49.493	ug/l	99
38) Carbon Tetrachloride	8.359	117	160134	48.985	ug/l	97
39) Methylcyclohexane	9.600	83	158489	53.267	ug/l	99
40) Benzene	8.600	78	451074	48.024	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	76791	53.814 ug/l	97
42) 1,2-Dichloroethane	8.665	62	153960	50.614 ug/l	100
43) Isopropyl Acetate	8.688	43	235517	48.004 ug/l	99
44) Trichloroethene	9.353	130	104498	48.241 ug/l	98
45) 1,2-Dichloropropane	9.618	63	108302	49.154 ug/l	95
46) Dibromomethane	9.706	93	76019	48.895 ug/l	97
47) Bromodichloromethane	9.888	83	162307	49.525 ug/l	97
48) Methyl methacrylate	9.677	41	107828	52.212 ug/l	98
49) 1,4-Dioxane	9.694	88	37719	1030.669 ug/l #	82
51) 4-Methyl-2-Pentanone	10.447	43	658351	260.254 ug/l	98
52) Toluene	10.629	92	280034	50.978 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	169085	49.843 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	180909	50.386 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	102401	49.487 ug/l	98
56) Ethyl methacrylate	10.871	69	168060	56.150 ug/l	96
57) 1,3-Dichloropropane	11.159	76	175929	49.539 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	407857	291.210 ug/l	97
59) 2-Hexanone	11.194	43	485391	263.615 ug/l	98
60) Dibromochloromethane	11.359	129	122816	52.078 ug/l	98
61) 1,2-Dibromoethane	11.465	107	103901	49.034 ug/l	98
64) Tetrachloroethene	11.100	164	87457	47.088 ug/l	96
65) Chlorobenzene	11.888	112	296199	47.416 ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.959	131	104844	48.252 ug/l	99
67) Ethyl Benzene	11.965	91	528107	50.646 ug/l	100
68) m/p-Xylenes	12.070	106	406816	103.053 ug/l	98
69) o-Xylene	12.394	106	192710	52.183 ug/l	99
70) Styrene	12.412	104	336570	52.245 ug/l	99
71) Bromoform	12.576	173	82245	50.303 ug/l #	99
73) Isopropylbenzene	12.694	105	493742	50.942 ug/l	99
74) N-amyl acetate	12.494	43	211326	51.228 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	148441	45.884 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	122649m	44.939 ug/l	
77) Bromobenzene	12.982	156	122062	46.847 ug/l	95
78) n-propylbenzene	13.035	91	585903	51.587 ug/l	100
79) 2-Chlorotoluene	13.123	91	362526	48.850 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	424332	52.823 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	55485	47.612 ug/l	92
82) 4-Chlorotoluene	13.217	91	375636	48.097 ug/l	99
83) tert-Butylbenzene	13.435	119	350031	52.649 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	435421	52.518 ug/l	99
85) sec-Butylbenzene	13.612	105	489305	52.102 ug/l	100
86) p-Isopropyltoluene	13.729	119	421834	54.770 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	230686	45.366 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	231568	49.658 ug/l	98
89) n-Butylbenzene	14.053	91	362215	50.276 ug/l	99
90) Hexachloroethane	14.335	117	81515	47.459 ug/l	100
91) 1,2-Dichlorobenzene	14.106	146	223772	45.796 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	29987	45.754 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	119579	44.711 ug/l	99
94) Hexachlorobutadiene	15.500	225	51033	43.451 ug/l	98
95) Naphthalene	15.635	128	384553	48.037 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	116341	44.812 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

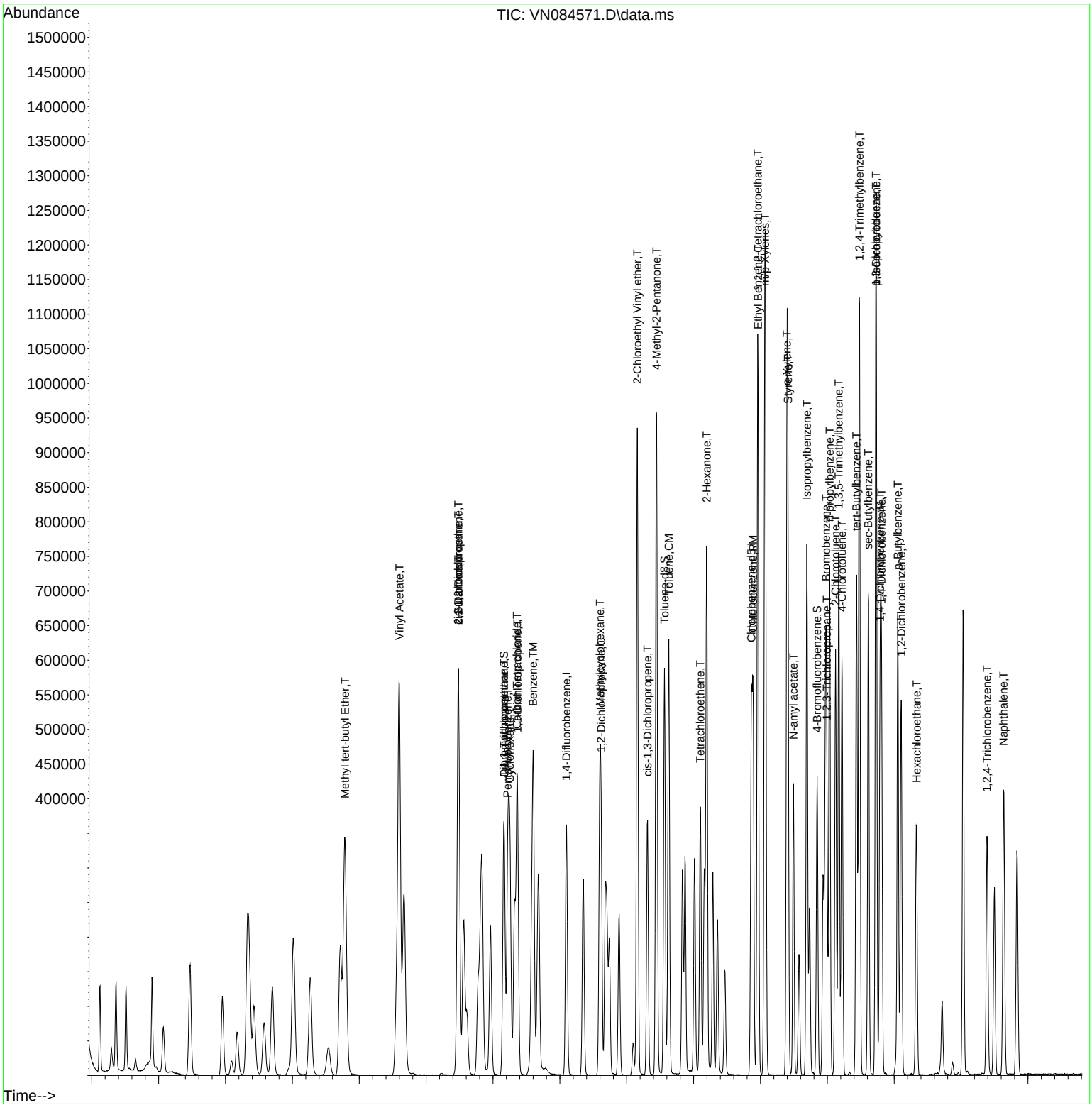
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084571.D
Acq On : 30 Oct 2024 12:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:18:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	187576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	319890	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	275857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	130374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	53102	19.600	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.200%#		
35) Dibromofluoromethane	8.165	113	41686	19.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.500%#		
50) Toluene-d8	10.565	98	155563	19.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	39.000%#		
62) 4-Bromofluorobenzene	12.847	95	57622	19.330	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.660%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	41443	19.219	ug/l	99
3) Chloromethane	2.359	50	54414	19.993	ug/l	97
4) Vinyl Chloride	2.512	62	46710	20.140	ug/l	93
5) Bromomethane	2.901	94	23244	18.916	ug/l	100
6) Chloroethane	3.042	64	30992	20.772	ug/l	94
7) Trichlorofluoromethane	3.442	101	76339	19.982	ug/l	96
8) Diethyl Ether	3.948	74	26904	19.963	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.342	101	42830	19.840	ug/l	99
10) Methyl Iodide	4.565	142	57315	19.865	ug/l	96
11) Tert butyl alcohol	5.559	59	33927	94.871	ug/l	99
12) 1,1-Dichloroethene	4.318	96	41980	19.653	ug/l	89
13) Acrolein	4.171	56	38007	106.582	ug/l	96
14) Allyl chloride	5.006	41	70420	20.328	ug/l	92
15) Acrylonitrile	5.718	53	105912	102.304	ug/l	97
16) Acetone	4.430	43	79971	100.481	ug/l	99
17) Carbon Disulfide	4.689	76	127521	19.385	ug/l	98
18) Methyl Acetate	5.024	43	71604	22.882	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	135170	20.645	ug/l	100
20) Methylene Chloride	5.271	84	47467	19.921	ug/l	88
21) trans-1,2-Dichloroethene	5.771	96	44697	20.378	ug/l	93
22) Diisopropyl ether	6.671	45	144115	20.937	ug/l	97
23) Vinyl Acetate	6.594	43	490034	103.232	ug/l	100
24) 1,1-Dichloroethane	6.559	63	83555	20.218	ug/l	97
25) 2-Butanone	7.483	43	130541	103.281	ug/l	99
26) 2,2-Dichloropropane	7.483	77	73066	20.313	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	52279	20.412	ug/l	97
28) Bromochloromethane	7.806	49	29146	17.702	ug/l	91
29) Tetrahydrofuran	7.836	42	86837	103.560	ug/l	97
30) Chloroform	7.959	83	85675	20.368	ug/l	100
31) Cyclohexane	8.247	56	71698	19.169	ug/l	96
32) 1,1,1-Trichloroethane	8.165	97	78458	20.493	ug/l	97
36) 1,1-Dichloropropene	8.371	75	60208	20.050	ug/l	99
37) Ethyl Acetate	7.559	43	54942	20.165	ug/l	97
38) Carbon Tetrachloride	8.359	117	68076	20.282	ug/l	98
39) Methylcyclohexane	9.600	83	63305	20.722	ug/l	93
40) Benzene	8.600	78	193129	20.026	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	30596	20.882 ug/l		97
42) 1,2-Dichloroethane	8.665	62	63026	20.180 ug/l		99
43) Isopropyl Acetate	8.688	43	104951	20.277 ug/l		98
44) Trichloroethene	9.347	130	44176	19.862 ug/l		99
45) 1,2-Dichloropropane	9.618	63	45764	20.229 ug/l		93
46) Dibromomethane	9.706	93	32857	20.583 ug/l		99
47) Bromodichloromethane	9.888	83	67288	19.997 ug/l	#	98
48) Methyl methacrylate	9.682	41	43398	20.466 ug/l		97
49) 1,4-Dioxane	9.700	88	15417	410.291 ug/l	#	79
51) 4-Methyl-2-Pentanone	10.447	43	266010	102.417 ug/l		100
52) Toluene	10.629	92	117530	20.838 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	68847	19.766 ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	74498	20.208 ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	42791	20.141 ug/l		95
56) Ethyl methacrylate	10.871	69	63347	20.613 ug/l		96
57) 1,3-Dichloropropane	11.159	76	74082	20.317 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	146372	101.786 ug/l		98
59) 2-Hexanone	11.194	43	192335	101.735 ug/l		99
60) Dibromochloromethane	11.359	129	50039	20.665 ug/l		99
61) 1,2-Dibromoethane	11.465	107	43666	20.070 ug/l		100
64) Tetrachloroethene	11.106	164	36798	20.054 ug/l		92
65) Chlorobenzene	11.888	112	126753	20.539 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	43201	20.125 ug/l		99
67) Ethyl Benzene	11.965	91	212737	20.651 ug/l		99
68) m/p-Xylenes	12.071	106	162754	41.732 ug/l		99
69) o-Xylene	12.400	106	77396	21.214 ug/l		99
70) Styrene	12.412	104	133059	20.907 ug/l		96
71) Bromoform	12.576	173	32901	20.369 ug/l	#	99
73) Isopropylbenzene	12.694	105	193023	21.127 ug/l		100
74) N-amyl acetate	12.494	43	80939	20.815 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	60645	19.886 ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	49947m	19.414 ug/l		
77) Bromobenzene	12.976	156	48017	19.550 ug/l		97
78) n-propylbenzene	13.035	91	225085	21.024 ug/l		99
79) 2-Chlorotoluene	13.123	91	148533	21.233 ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	161619	21.343 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	22047	20.070 ug/l	#	85
82) 4-Chlorotoluene	13.218	91	147989	20.102 ug/l		100
83) tert-Butylbenzene	13.435	119	138079	22.033 ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	170246	21.783 ug/l		99
85) sec-Butylbenzene	13.618	105	188158	21.255 ug/l		100
86) p-Isopropyltoluene	13.729	119	156598	21.569 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	92310	19.258 ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	92940	20.458 ug/l		99
89) n-Butylbenzene	14.053	91	136771	20.139 ug/l		99
90) Hexachloroethane	14.329	117	32199	19.887 ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	91138	19.787 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11962	19.362 ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	46698	18.523 ug/l		96
94) Hexachlorobutadiene	15.500	225	22216	20.066 ug/l		96
95) Naphthalene	15.635	128	153972	20.404 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	49699	20.308 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

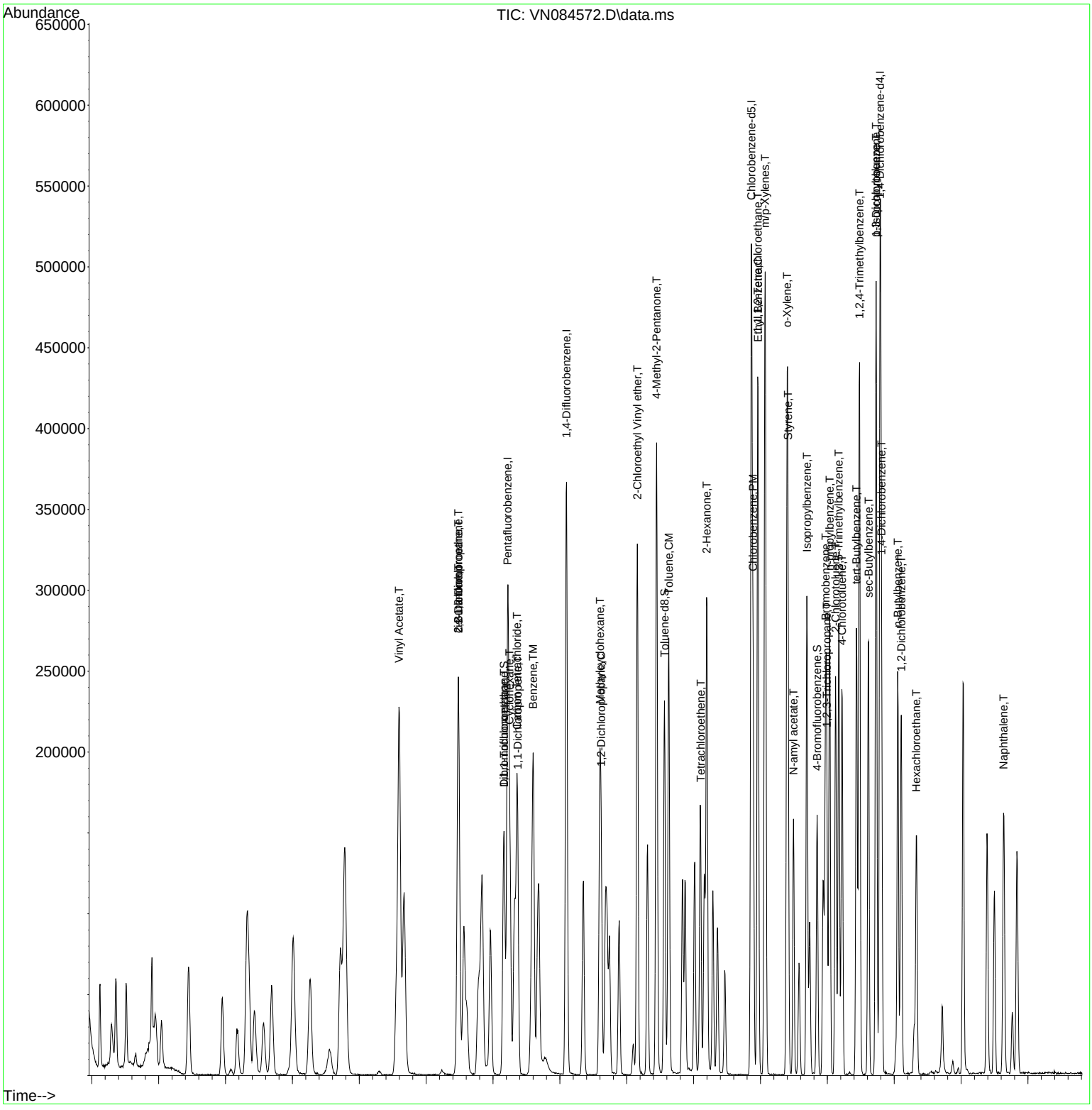
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084572.D
Acq On : 30 Oct 2024 12:33
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:07 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	179863	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	312244	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	270408	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	127178	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.583	65	25986	10.003	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 20.000%#				
35) Dibromofluoromethane	8.159	113	20969	9.921	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.840%#				
50) Toluene-d8	10.565	98	76892	9.876	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 19.760%#				
62) 4-Bromofluorobenzene	12.847	95	28191	9.689	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 19.380%#				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	21501	10.399	ug/l		96
3) Chloromethane	2.359	50	31342	10.950	ug/l		98
4) Vinyl Chloride	2.512	62	22896	10.295	ug/l		93
5) Bromomethane	2.901	94	12071	10.245	ug/l		95
6) Chloroethane	3.059	64	15315	10.010	ug/l	#	83
7) Trichlorofluoromethane	3.459	101	36747	10.031	ug/l		99
8) Diethyl Ether	3.953	74	13090	10.129	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.353	101	21028	10.158	ug/l		98
10) Methyl Iodide	4.577	142	28795	10.408	ug/l		97
11) Tert butyl alcohol	5.542	59	17899	52.198	ug/l	#	85
12) 1,1-Dichloroethene	4.324	96	20669	10.091	ug/l		87
13) Acrolein	4.177	56	17284	50.547	ug/l		99
14) Allyl chloride	5.012	41	33287	10.021	ug/l		93
15) Acrylonitrile	5.718	53	50731	51.104	ug/l		98
16) Acetone	4.430	43	40100	51.168	ug/l		93
17) Carbon Disulfide	4.695	76	61652	9.774	ug/l		97
18) Methyl Acetate	5.030	43	37538	10.544	ug/l		100
19) Methyl tert-butyl Ether	5.789	73	64007	10.195	ug/l		97
20) Methylene Chloride	5.265	84	23684	10.366	ug/l		94
21) trans-1,2-Dichloroethene	5.771	96	21581	10.261	ug/l		84
22) Diisopropyl ether	6.671	45	68672	10.404	ug/l	#	97
23) Vinyl Acetate	6.600	43	233407	51.279	ug/l		99
24) 1,1-Dichloroethane	6.565	63	40556	10.234	ug/l	#	95
25) 2-Butanone	7.483	43	60876	50.229	ug/l		96
26) 2,2-Dichloropropane	7.483	77	35189	10.203	ug/l		100
27) cis-1,2-Dichloroethene	7.483	96	24626	10.028	ug/l		99
28) Bromochloromethane	7.806	49	14918	9.449	ug/l	#	15
29) Tetrahydrofuran	7.841	42	42072	52.326	ug/l		99
30) Chloroform	7.965	83	41496	10.288	ug/l		97
31) Cyclohexane	8.247	56	37514	10.460	ug/l		96
32) 1,1,1-Trichloroethane	8.165	97	38612	10.518	ug/l		94
36) 1,1-Dichloropropene	8.371	75	29218	9.968	ug/l		99
37) Ethyl Acetate	7.559	43	25249	9.494	ug/l		96
38) Carbon Tetrachloride	8.359	117	34214	10.443	ug/l		95
39) Methylcyclohexane	9.600	83	30390	10.191	ug/l		96
40) Benzene	8.606	78	94121	9.999	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.777	41	14485	10.128 ug/l		96
42) 1,2-Dichloroethane	8.671	62	30752	10.087 ug/l		99
43) Isopropyl Acetate	8.688	43	55871	10.611 ug/l		94
44) Trichloroethene	9.353	130	21099	9.719 ug/l		98
45) 1,2-Dichloropropane	9.618	63	22314	10.105 ug/l		96
46) Dibromomethane	9.706	93	15211	9.762 ug/l		99
47) Bromodichloromethane	9.883	83	32612	9.929 ug/l	#	93
48) Methyl methacrylate	9.683	41	20961	10.127 ug/l		98
49) 1,4-Dioxane	9.700	88	7375	201.076 ug/l	#	76
51) 4-Methyl-2-Pentanone	10.447	43	130324	51.405 ug/l		99
52) Toluene	10.630	92	56321	10.230 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	33220	9.771 ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	35562	9.883 ug/l		92
55) 1,1,2-Trichloroethane	11.018	97	21367	10.303 ug/l		94
56) Ethyl methacrylate	10.871	69	29804	9.936 ug/l		98
57) 1,3-Dichloropropane	11.165	76	35790	10.056 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	66790	47.583 ug/l		97
59) 2-Hexanone	11.200	43	92772	50.273 ug/l		100
60) Dibromochloromethane	11.359	129	24541	10.383 ug/l		97
61) 1,2-Dibromoethane	11.471	107	20895	9.839 ug/l		97
64) Tetrachloroethene	11.100	164	18777	10.439 ug/l		94
65) Chlorobenzene	11.888	112	60746	10.041 ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	21080	10.018 ug/l		98
67) Ethyl Benzene	11.965	91	101653	10.067 ug/l		99
68) m/p-Xylenes	12.071	106	75857	19.842 ug/l		100
69) o-Xylene	12.394	106	36696	10.261 ug/l		100
70) Styrene	12.412	104	61865	9.916 ug/l		98
71) Bromoform	12.576	173	15630	9.871 ug/l	#	95
73) Isopropylbenzene	12.694	105	91683	10.287 ug/l		98
74) N-amyl acetate	12.494	43	38841	10.240 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	30270	10.175 ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	25940m	10.336 ug/l		
77) Bromobenzene	12.982	156	23987	10.012 ug/l		94
78) n-propylbenzene	13.035	91	106518	10.199 ug/l		99
79) 2-Chlorotoluene	13.123	91	68678	10.064 ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	77273	10.461 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	11334	10.577 ug/l		96
82) 4-Chlorotoluene	13.218	91	71787	9.996 ug/l		99
83) tert-Butylbenzene	13.435	119	62600	10.240 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	78207	10.258 ug/l		98
85) sec-Butylbenzene	13.612	105	89469	10.361 ug/l		99
86) p-Isopropyltoluene	13.729	119	72307	10.210 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	45832	9.802 ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	47483	10.276 ug/l		97
89) n-Butylbenzene	14.053	91	62495	9.433 ug/l		100
90) Hexachloroethane	14.335	117	16100	10.194 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	44055	9.805 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5744	9.531 ug/l		97
93) 1,2,4-Trichlorobenzene	15.394	180	22413	9.114 ug/l		97
94) Hexachlorobutadiene	15.494	225	10263	9.503 ug/l		97
95) Naphthalene	15.641	128	68919	9.363 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	22303	9.342 ug/l		99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

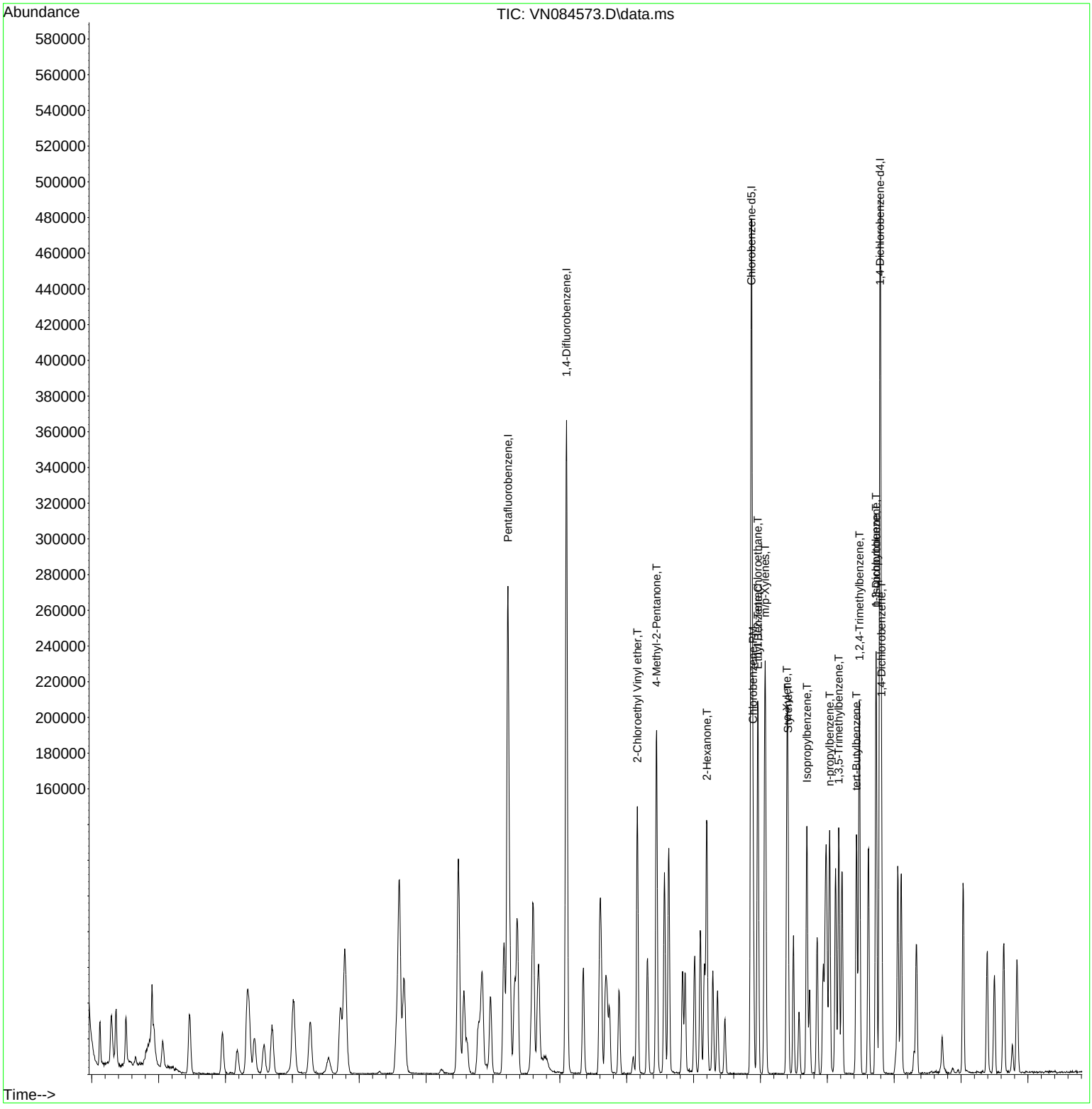
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084573.D
Acq On : 30 Oct 2024 12:57
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	171598	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297777	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	254342	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	118229	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	13227	5.337	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.680%#			
35) Dibromofluoromethane	8.165	113	10512	5.215	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.440%#			
50) Toluene-d8	10.565	98	36225	4.879	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.760%#			
62) 4-Bromofluorobenzene	12.847	95	13506	4.867	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.740%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	10192	5.167	ug/l		93
3) Chloromethane	2.360	50	17076	5.115	ug/l		97
4) Vinyl Chloride	2.513	62	11174	5.267	ug/l		96
5) Bromomethane	2.901	94	6944	6.177	ug/l		98
6) Chloroethane	3.060	64	8146	4.946	ug/l		98
7) Trichlorofluoromethane	3.460	101	18362	5.254	ug/l		98
8) Diethyl Ether	3.954	74	6372	5.168	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.348	101	10090	5.109	ug/l		99
10) Methyl Iodide	4.571	142	14021	5.312	ug/l	#	96
11) Tert butyl alcohol	5.536	59	10153	31.035	ug/l	#	87
12) 1,1-Dichloroethene	4.324	96	9474	4.848	ug/l		91
13) Acrolein	4.183	56	8890	27.251	ug/l		97
14) Allyl chloride	5.012	41	16771	5.292	ug/l		94
15) Acrylonitrile	5.724	53	25212	26.621	ug/l		99
16) Acetone	4.430	43	20706	26.370	ug/l		91
17) Carbon Disulfide	4.689	76	30614	5.087	ug/l	#	86
18) Methyl Acetate	5.030	43	21727	4.691	ug/l		99
19) Methyl tert-butyl Ether	5.795	73	30655	5.118	ug/l	#	89
20) Methylene Chloride	5.265	84	12258	5.623	ug/l		91
21) trans-1,2-Dichloroethene	5.771	96	10024	4.996	ug/l		94
22) Diisopropyl ether	6.671	45	31631	5.023	ug/l		93
23) Vinyl Acetate	6.601	43	111267	25.622	ug/l		98
24) 1,1-Dichloroethane	6.559	63	20644	5.460	ug/l		96
25) 2-Butanone	7.489	43	31742	27.452	ug/l		97
26) 2,2-Dichloropropane	7.483	77	16462	5.003	ug/l		94
27) cis-1,2-Dichloroethene	7.483	96	12105	5.167	ug/l		98
28) Bromochloromethane	7.806	49	7002	4.649	ug/l	#	91
29) Tetrahydrofuran	7.842	42	20240	26.385	ug/l		99
30) Chloroform	7.959	83	20974	5.451	ug/l		92
31) Cyclohexane	8.253	56	18750	5.480	ug/l		98
32) 1,1,1-Trichloroethane	8.165	97	17717	5.059	ug/l		97
36) 1,1-Dichloropropene	8.371	75	14193	5.077	ug/l		99
37) Ethyl Acetate	7.559	43	13884	5.474	ug/l	#	94
38) Carbon Tetrachloride	8.353	117	15977	5.113	ug/l		96
39) Methylcyclohexane	9.600	83	13624	4.791	ug/l		95
40) Benzene	8.600	78	46044	5.129	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	7091	5.199	ug/l		97
42) 1,2-Dichloroethane	8.665	62	14972	5.150	ug/l		98
43) Isopropyl Acetate	8.689	43	30044	5.554	ug/l	#	90
44) Trichloroethene	9.347	130	10168	4.911	ug/l		89
45) 1,2-Dichloropropane	9.618	63	11095	5.269	ug/l		97
46) Dibromomethane	9.706	93	7752	5.217	ug/l		97
47) Bromodichloromethane	9.889	83	15749	5.028	ug/l	#	98
48) Methyl methacrylate	9.677	41	9971	5.051	ug/l		97
49) 1,4-Dioxane	9.700	88	3729	106.609	ug/l		95
51) 4-Methyl-2-Pentanone	10.447	43	61332	25.367	ug/l		100
52) Toluene	10.630	92	26518	5.051	ug/l		99
53) t-1,3-Dichloropropene	10.836	75	16279	5.021	ug/l		93
54) cis-1,3-Dichloropropene	10.312	75	17395	5.069	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	10193	5.154	ug/l		93
56) Ethyl methacrylate	10.871	69	13362	4.671	ug/l		94
57) 1,3-Dichloropropane	11.165	76	17816	5.249	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	30088	22.477	ug/l		98
59) 2-Hexanone	11.194	43	43750	24.860	ug/l		97
60) Dibromochloromethane	11.359	129	11226	4.980	ug/l		96
61) 1,2-Dibromoethane	11.471	107	10584	5.226	ug/l		97
64) Tetrachloroethene	11.100	164	8917	5.271	ug/l	#	87
65) Chlorobenzene	11.888	112	29618	5.205	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.959	131	10265	5.186	ug/l		99
67) Ethyl Benzene	11.965	91	47037	4.952	ug/l		98
68) m/p-Xylenes	12.065	106	34753	9.665	ug/l		100
69) o-Xylene	12.394	106	16393	4.873	ug/l		99
70) Styrene	12.412	104	27807	4.739	ug/l		98
71) Bromoform	12.577	173	7686	5.161	ug/l	#	95
73) Isopropylbenzene	12.694	105	40223	4.855	ug/l		99
74) N-amyl acetate	12.494	43	18583	5.270	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	15573	5.631	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	11982m	5.136	ug/l		
77) Bromobenzene	12.983	156	11012	4.944	ug/l		98
78) n-propylbenzene	13.035	91	47776	4.921	ug/l		99
79) 2-Chlorotoluene	13.124	91	32460	5.117	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	32685	4.760	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.730	75	5096	5.116	ug/l		93
82) 4-Chlorotoluene	13.218	91	33672	5.044	ug/l		98
83) tert-Butylbenzene	13.435	119	26850	4.724	ug/l		95
84) 1,2,4-Trimethylbenzene	13.483	105	32703	4.614	ug/l		100
85) sec-Butylbenzene	13.612	105	37187	4.632	ug/l		97
86) p-Isopropyltoluene	13.730	119	29767	4.521	ug/l		97
87) 1,3-Dichlorobenzene	13.730	146	22272	5.124	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	22213	4.741	ug/l		91
89) n-Butylbenzene	14.053	91	29010	4.710	ug/l		99
90) Hexachloroethane	14.335	117	7404	5.043	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	22221	5.320	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.718	75	3239	5.781	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	11298	4.942	ug/l		99
94) Hexachlorobutadiene	15.500	225	5184	5.163	ug/l		96
95) Naphthalene	15.641	128	32966	4.817	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	11106	5.004	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

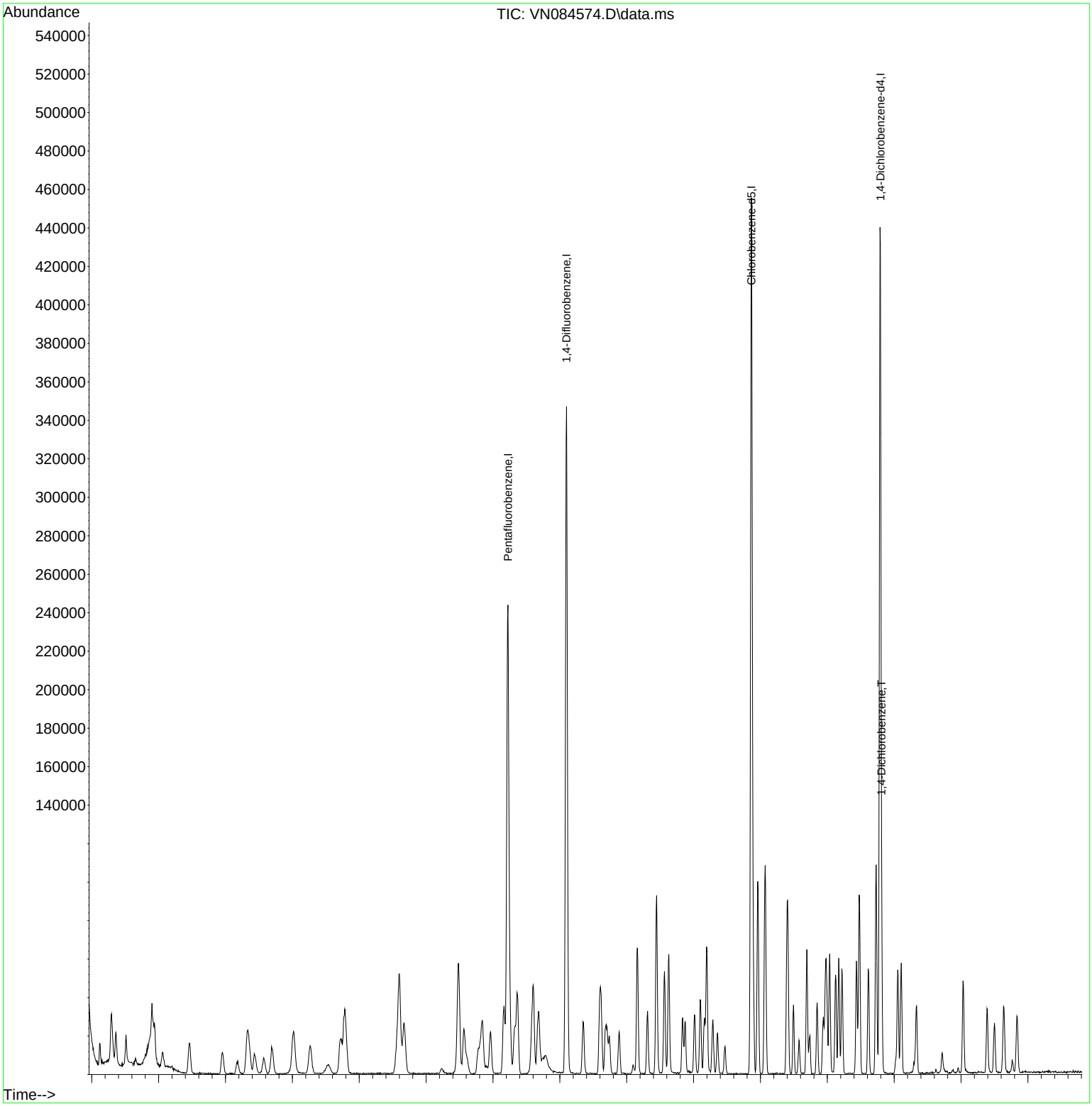
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084574.D
Acq On : 30 Oct 2024 13:21
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:19:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:18:08 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	168991	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	297772	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	250990	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	109560	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	1964	1.011	ug/l		100
3) Chloromethane	2.365	50	6046	1.880	ug/l	#	80
4) Vinyl Chloride	2.512	62	1963	0.939	ug/l		89
6) Chloroethane	3.083	64	2917	0.885	ug/l		98
7) Trichlorofluoromethane	3.471	101	3621	1.052	ug/l	#	74
8) Diethyl Ether	3.971	74	1209m	0.996	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.359	101	1982	1.019	ug/l		90
12) 1,1-Dichloroethene	4.336	96	2177	1.131	ug/l	#	68
14) Allyl chloride	5.006	41	2869	0.919	ug/l	#	29
15) Acrylonitrile	5.730	53	4443	4.764	ug/l	#	55
16) Acetone	4.430	43	5707m	5.302	ug/l		
17) Carbon Disulfide	4.700	76	7155	1.207	ug/l	#	93
18) Methyl Acetate	5.024	43	7743	1.954	ug/l	#	89
19) Methyl tert-butyl Ether	5.806	73	5314	0.901	ug/l		95
20) Methylene Chloride	5.271	84	2029	0.945	ug/l	#	81
21) trans-1,2-Dichloroethene	5.789	96	2030	1.027	ug/l	#	78
22) Diisopropyl ether	6.665	45	5485	0.884	ug/l	#	89
23) Vinyl Acetate	6.600	43	18413	4.306	ug/l		96
24) 1,1-Dichloroethane	6.553	63	3491	0.938	ug/l	#	83
25) 2-Butanone	7.494	43	5644	4.956	ug/l	#	88
26) 2,2-Dichloropropane	7.488	77	3152	0.973	ug/l	#	70
27) cis-1,2-Dichloroethene	7.477	96	2275	0.986	ug/l	#	75
28) Bromochloromethane	7.812	49	1450	0.978	ug/l	#	97
29) Tetrahydrofuran	7.847	42	3321	4.396	ug/l		96
30) Chloroform	7.965	83	3463	0.914	ug/l		87
32) 1,1,1-Trichloroethane	8.171	97	3312	0.960	ug/l	#	34
36) 1,1-Dichloropropene	8.365	75	2825	1.011	ug/l		97
37) Ethyl Acetate	7.559	43	2440	0.962	ug/l	#	88
38) Carbon Tetrachloride	8.353	117	2904	0.929	ug/l	#	73
39) Methylcyclohexane	9.600	83	2212	0.778	ug/l		89
40) Benzene	8.600	78	9169	1.021	ug/l		94
41) Methacrylonitrile	7.777	41	1095	0.803	ug/l	#	84
42) 1,2-Dichloroethane	8.665	62	2733	0.940	ug/l		81
43) Isopropyl Acetate	8.688	43	7724	0.697	ug/l	#	78
44) Trichloroethene	9.353	130	2306	1.114	ug/l		74
45) 1,2-Dichloropropane	9.624	63	1967	0.934	ug/l	#	86

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.712	93	1472	0.991 ug/l	93
47) Bromodichloromethane	9.882	83	3156	1.008 ug/l #	96
48) Methyl methacrylate	9.682	41	1652	0.837 ug/l #	84
49) 1,4-Dioxane	9.700	88	576	16.468 ug/l #	73
51) 4-Methyl-2-Pentanone	10.441	43	10237	4.234 ug/l	92
52) Toluene	10.629	92	4507	0.858 ug/l	89
53) t-1,3-Dichloropropene	10.835	75	3308	1.020 ug/l	93
54) cis-1,3-Dichloropropene	10.312	75	3266	0.952 ug/l #	94
55) 1,1,2-Trichloroethane	11.012	97	1841	0.931 ug/l #	86
56) Ethyl methacrylate	10.876	69	2211	0.773 ug/l	94
57) 1,3-Dichloropropane	11.165	76	3139	0.925 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	4979	3.720 ug/l #	87
59) 2-Hexanone	11.194	43	7617	4.328 ug/l	89
60) Dibromochloromethane	11.353	129	1857	0.824 ug/l	88
61) 1,2-Dibromoethane	11.465	107	2001	0.988 ug/l	89
64) Tetrachloroethene	11.100	164	1629	0.976 ug/l #	69
65) Chlorobenzene	11.894	112	5753	1.025 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	2002	1.025 ug/l #	61
67) Ethyl Benzene	11.965	91	8520	0.909 ug/l	98
68) m/p-Xylenes	12.070	106	6568	1.851 ug/l	96
69) o-Xylene	12.400	106	2759	0.831 ug/l	99
70) Styrene	12.406	104	5269	0.910 ug/l	95
71) Bromoform	12.582	173	1434	0.976 ug/l #	95
73) Isopropylbenzene	12.694	105	6985	0.910 ug/l	99
74) N-amyl acetate	12.488	43	2680	0.820 ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.929	83	2678	1.045 ug/l #	91
76) 1,2,3-Trichloropropane	12.994	75	2731m	1.263 ug/l	
77) Bromobenzene	12.982	156	2440	1.182 ug/l	95
78) n-propylbenzene	13.035	91	7935	0.882 ug/l	95
79) 2-Chlorotoluene	13.123	91	5699	0.969 ug/l	96
80) 1,3,5-Trimethylbenzene	13.170	105	5298	0.833 ug/l	98
82) 4-Chlorotoluene	13.223	91	6682	1.080 ug/l	96
83) tert-Butylbenzene	13.435	119	4148	0.788 ug/l	89
84) 1,2,4-Trimethylbenzene	13.482	105	5651	0.860 ug/l	98
85) sec-Butylbenzene	13.617	105	6490	0.872 ug/l	93
86) p-Isopropyltoluene	13.729	119	4859	0.796 ug/l	94
87) 1,3-Dichlorobenzene	13.729	146	4961	1.232 ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	6076m	0.801 ug/l	
89) n-Butylbenzene	14.059	91	6020	1.055 ug/l	95
90) Hexachloroethane	14.329	117	1493	1.097 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	4428	1.144 ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.717	75	595	1.146 ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	2964	1.399 ug/l	98
94) Hexachlorobutadiene	15.506	225	1208	1.298 ug/l	88
95) Naphthalene	15.635	128	7352	1.159 ug/l	96
96) 1,2,3-Trichlorobenzene	15.835	180	2605	1.267 ug/l	91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

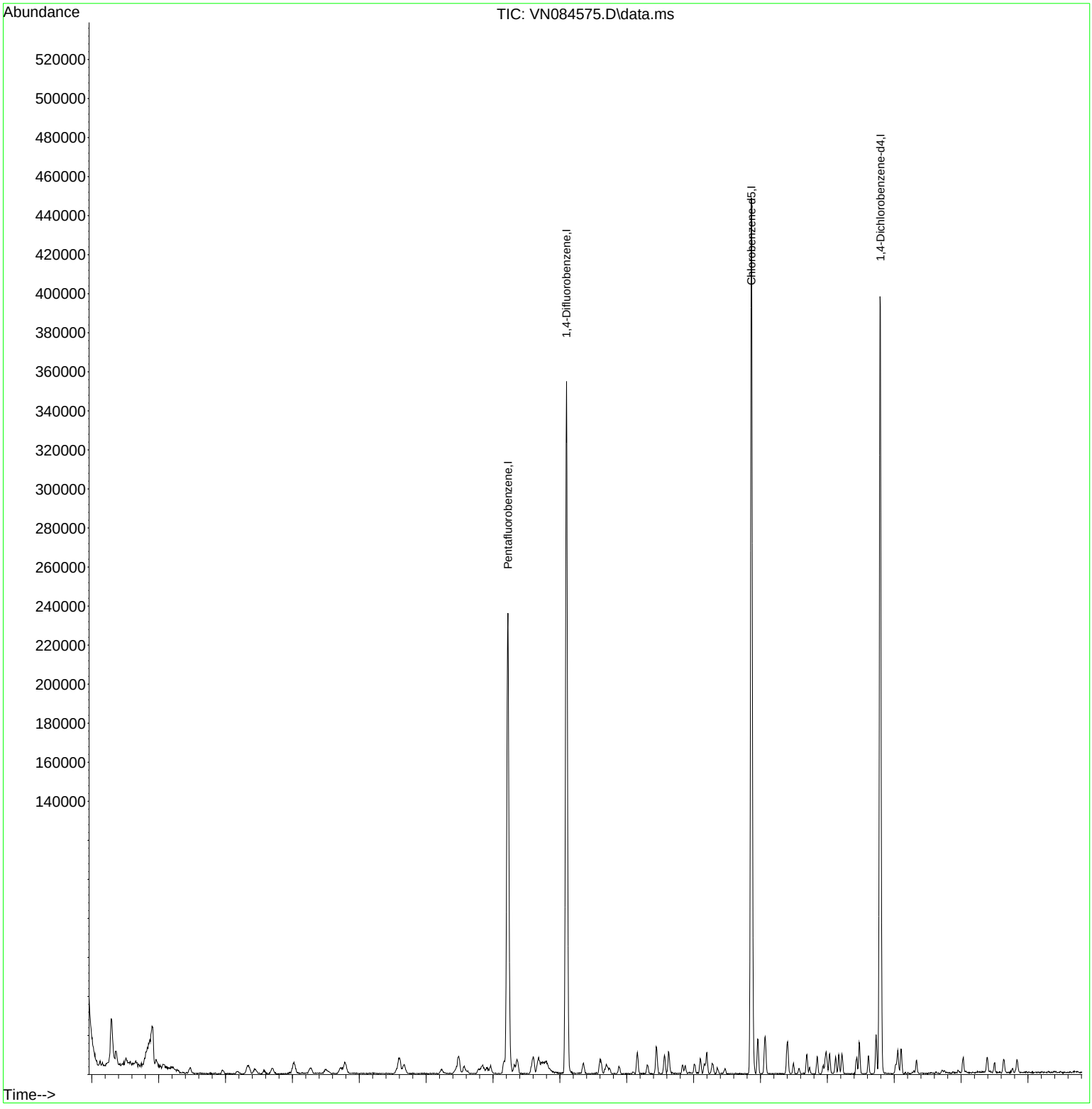
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084575.D
Acq On : 30 Oct 2024 13:45
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:14:28 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:13:36 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	192202	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	324264	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	291586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	142817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132029	47.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.120%			
35) Dibromofluoromethane	8.165	113	104306	47.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.040%			
50) Toluene-d8	10.565	98	390989	48.359	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.720%			
62) 4-Bromofluorobenzene	12.847	95	144180	47.715	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	101605	45.985	ug/l	97
3) Chloromethane	2.359	50	118060	45.299	ug/l	99
4) Vinyl Chloride	2.512	62	110340	46.430	ug/l	95
5) Bromomethane	2.900	94	54764	43.494	ug/l	100
6) Chloroethane	3.071	64	68330	46.348	ug/l	93
7) Trichlorofluoromethane	3.471	101	178683	45.644	ug/l	98
8) Diethyl Ether	3.959	74	64407	46.640	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	101094	45.702	ug/l	98
10) Methyl Iodide	4.577	142	137594	46.542	ug/l	97
11) Tert butyl alcohol	5.536	59	80556	219.840	ug/l	99
12) 1,1-Dichloroethene	4.330	96	99235	45.338	ug/l	99
13) Acrolein	4.171	56	79788	218.362	ug/l	98
14) Allyl chloride	5.012	41	170293	47.975	ug/l	92
15) Acrylonitrile	5.718	53	251141	236.747	ug/l	100
16) Acetone	4.430	43	196070	244.445	ug/l	100
17) Carbon Disulfide	4.700	76	287697	42.682	ug/l	99
18) Methyl Acetate	5.024	43	132834	44.944	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	326067	48.603	ug/l	97
20) Methylene Chloride	5.265	84	111618	45.716	ug/l	91
21) trans-1,2-Dichloroethene	5.777	96	101181	45.019	ug/l	98
22) Diisopropyl ether	6.671	45	343763	48.739	ug/l	99
23) Vinyl Acetate	6.600	43	1204384	247.614	ug/l	99
24) 1,1-Dichloroethane	6.559	63	196518	46.408	ug/l	97
25) 2-Butanone	7.483	43	307765	237.635	ug/l	97
26) 2,2-Dichloropropane	7.488	77	166234	45.103	ug/l	97
27) cis-1,2-Dichloroethene	7.483	96	121280	46.214	ug/l	97
28) Bromochloromethane	7.806	49	92741	54.971	ug/l	97
29) Tetrahydrofuran	7.835	42	211210	245.822	ug/l	98
30) Chloroform	7.965	83	203935	47.316	ug/l	100
31) Cyclohexane	8.253	56	172671	45.053	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	183488	46.774	ug/l	98
36) 1,1-Dichloropropene	8.365	75	141152	46.370	ug/l	100
37) Ethyl Acetate	7.559	43	132993	48.154	ug/l	99
38) Carbon Tetrachloride	8.359	117	157005	46.145	ug/l	97
39) Methylcyclohexane	9.600	83	154743	49.969	ug/l	99
40) Benzene	8.606	78	452351	46.273	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	77176	51.964	ug/l		99
42) 1,2-Dichloroethane	8.671	62	149173	47.118	ug/l		99
43) Isopropyl Acetate	8.688	43	232558	45.492	ug/l		98
44) Trichloroethene	9.347	130	100849	44.732	ug/l		99
45) 1,2-Dichloropropane	9.618	63	108229	47.196	ug/l		96
46) Dibromomethane	9.706	93	74292	45.911	ug/l		96
47) Bromodichloromethane	9.888	83	158814	46.560	ug/l	#	99
48) Methyl methacrylate	9.676	41	109745	51.057	ug/l		97
49) 1,4-Dioxane	9.694	88	40527	1063.992	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	665397	252.729	ug/l		98
52) Toluene	10.629	92	277957	48.616	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	162100	45.911	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	175008	46.832	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	102553	47.618	ug/l		97
56) Ethyl methacrylate	10.871	69	164370	52.764	ug/l		98
57) 1,3-Dichloropropane	11.165	76	176546	47.765	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	408174	280.013	ug/l		98
59) 2-Hexanone	11.194	43	489776	255.570	ug/l		99
60) Dibromochloromethane	11.359	129	120465	49.079	ug/l		99
61) 1,2-Dibromoethane	11.465	107	102316	46.393	ug/l		100
64) Tetrachloroethene	11.100	164	88124	45.436	ug/l		98
65) Chlorobenzene	11.888	112	292713	44.872	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	105108	46.323	ug/l		99
67) Ethyl Benzene	11.965	91	526140	48.319	ug/l		99
68) m/p-Xylenes	12.070	106	408029	98.979	ug/l		99
69) o-Xylene	12.400	106	194895	50.538	ug/l		99
70) Styrene	12.412	104	333668	49.600	ug/l		98
71) Bromoform	12.576	173	78822	46.166	ug/l	#	98
73) Isopropylbenzene	12.694	105	491033	49.063	ug/l		100
74) N-amyl acetate	12.494	43	209049	49.076	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	147181	44.058	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	122725m	42.988	ug/l		
77) Bromobenzene	12.976	156	119728	44.500	ug/l		97
78) n-propylbenzene	13.035	91	576495	49.156	ug/l		98
79) 2-Chlorotoluene	13.123	91	367294	47.930	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	420675	50.714	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	54512	45.300	ug/l		99
82) 4-Chlorotoluene	13.223	91	361596	44.837	ug/l		98
83) tert-Butylbenzene	13.435	119	361800	52.701	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	428517	50.053	ug/l		100
85) sec-Butylbenzene	13.617	105	483212	49.829	ug/l		100
86) p-Isopropyltoluene	13.729	119	410129	51.568	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	219757	41.852	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	221608	45.904	ug/l		99
89) n-Butylbenzene	14.053	91	341775	45.941	ug/l		100
90) Hexachloroethane	14.329	117	77324	43.597	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	220824	43.765	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	30895	45.651	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	111270	40.290	ug/l		98
94) Hexachlorobutadiene	15.500	225	47959	39.544	ug/l		97
95) Naphthalene	15.641	128	375360	45.408	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	108830	40.595	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

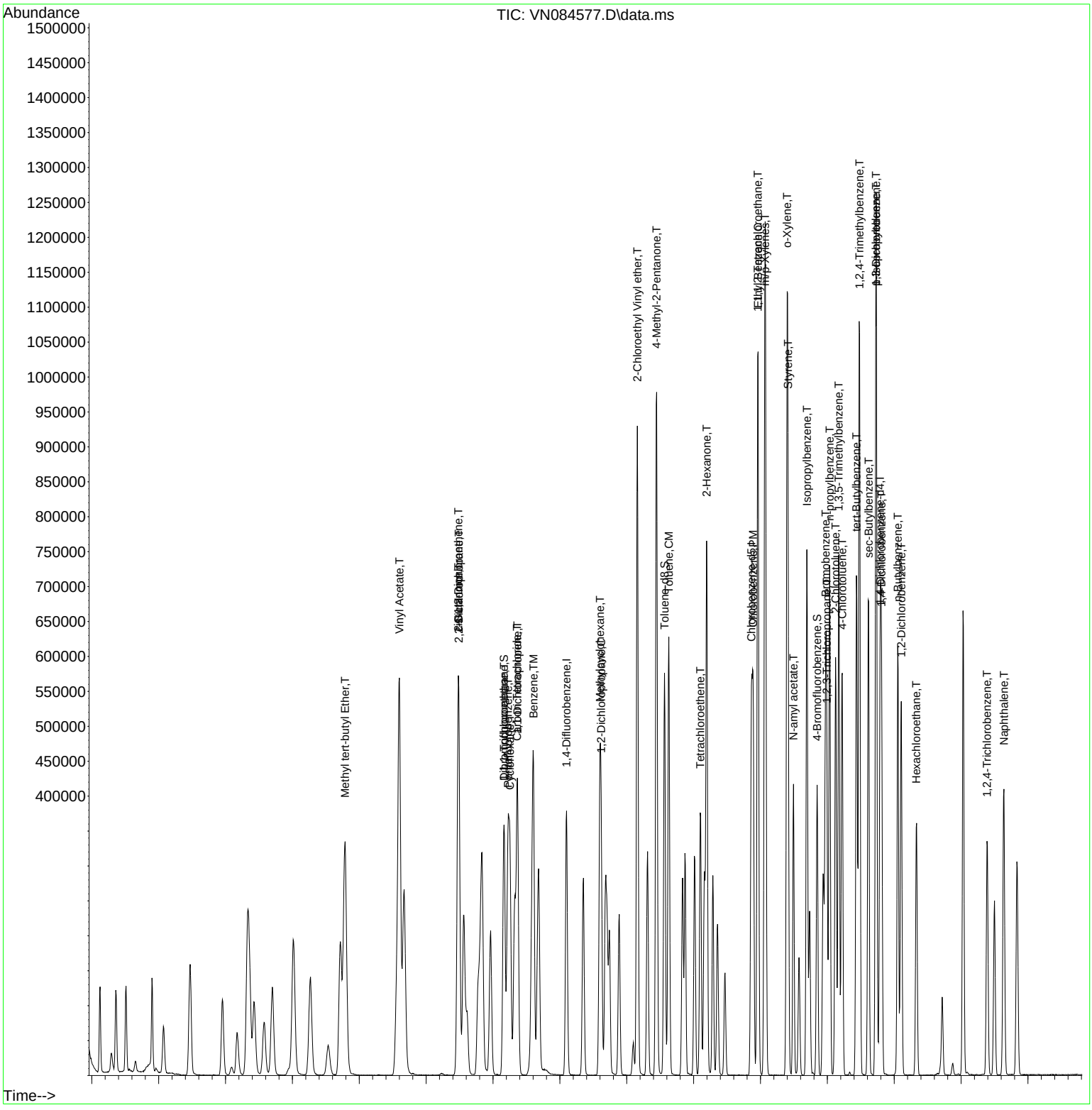
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/04/2024
Supervised By :Mahesh Dadoda 11/04/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	0.575	0.529	8.0	99	0.00
3	P	Chloromethane	0.952	0.614	35.5#	94	0.00
4	C	Vinyl Chloride	0.618	0.574	7.1#	98	0.00
5	T	Bromomethane	0.328	0.285	13.1	99	-0.05
6	T	Chloroethane	0.488	0.356	27.0#	97	-0.05
7	T	Trichlorofluoromethane	1.018	0.930	8.6	100	-0.02
8	T	Diethyl Ether	0.359	0.335	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.526	8.5	97	-0.01
10	T	Methyl Iodide	0.769	0.716	6.9	100	-0.02
11	T	Tert butyl alcohol	0.095	0.084	11.6	100	0.01
12	CM	1,1-Dichloroethene	0.569	0.516	9.3#	99	-0.01
13	T	Acrolein	0.095	0.083	12.6	97	0.00
14	T	Allyl chloride	0.923	0.886	4.0	100	-0.01
15	T	Acrylonitrile	0.276	0.261	5.4	99	0.00
16	T	Acetone	0.238	0.204	14.3	103	0.00
17	T	Carbon Disulfide	1.753	1.497	14.6	96	-0.01
18	T	Methyl Acetate	1.172	0.691	41.0#	95	0.00
19	T	Methyl tert-butyl Ether	1.745	1.696	2.8	99	0.00
20	T	Methylene Chloride	0.635	0.581	8.5	99	-0.01
21	T	trans-1,2-Dichloroethene	0.585	0.526	10.1	96	-0.01
22	T	Diisopropyl ether	1.835	1.789	2.5	99	0.00
23	T	Vinyl Acetate	1.265	1.253	0.9	99	0.00
24	P	1,1-Dichloroethane	1.102	1.022	7.3	99	-0.01
25	T	2-Butanone	0.337	0.320	5.0	105	0.00
26	T	2,2-Dichloropropane	0.959	0.865	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.631	7.6	98	0.00
28	T	Bromochloromethane	0.439	0.483	-10.0	97	0.00
29	T	Tetrahydrofuran	0.224	0.220	1.8	102	0.00
30	C	Chloroform	1.121	1.061	5.4#	101	0.00
31	T	Cyclohexane	0.997	0.898	9.9	99	0.00
32	T	1,1,1-Trichloroethane	1.021	0.955	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	0.722	0.687	4.8	98	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.338	0.322	4.7	97	0.00
36	T	1,1-Dichloropropene	0.469	0.435	7.2	100	0.00
37	T	Ethyl Acetate	0.426	0.410	3.8	101	0.00
38	T	Carbon Tetrachloride	0.525	0.484	7.8	98	0.00
39	T	Methylcyclohexane	0.478	0.477	0.2	98	0.00
40	TM	Benzene	1.507	1.395	7.4	100	0.00
41	T	Methacrylonitrile	0.229	0.238	-3.9	101	0.00
42	TM	1,2-Dichloroethane	0.488	0.460	5.7	97	0.00
43	T	Isopropyl Acetate	0.927	0.717	22.7	99	0.00
44	TM	Trichloroethene	0.348	0.311	10.6	97	0.00
45	C	1,2-Dichloropropane	0.354	0.334	5.6#	100	0.00
46	T	Dibromomethane	0.250	0.229	8.4	98	0.00
47	T	Bromodichloromethane	0.526	0.490	6.8	98	0.00
48	T	Methyl methacrylate	0.331	0.338	-2.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	107	0.00
50	S	Toluene-d8	1.247	1.206	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.410	-1.0	101	0.00
52	CM	Toluene	0.882	0.857	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	0.544	0.500	8.1	96	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.540	6.2	97	0.00
55	T	1,1,2-Trichloroethane	0.332	0.316	4.8	100	0.00
56	T	Ethyl methacrylate	0.480	0.507	-5.6	98	0.00
57	T	1,3-Dichloropropane	0.570	0.544	4.6	100	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.252	-12.0	100	0.00
59	T	2-Hexanone	0.296	0.302	-2.0	101	0.00
60	T	Dibromochloromethane	0.378	0.372	1.6	98	0.00
61	T	1,2-Dibromoethane	0.340	0.316	7.1	98	0.00
62	S	4-Bromofluorobenzene	0.466	0.445	4.5	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.333	0.302	9.3	101	0.00
65	PM	Chlorobenzene	1.119	1.004	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.360	7.5	100	0.00
67	C	Ethyl Benzene	1.867	1.804	3.4#	100	0.00
68	T	m/p-Xylenes	0.707	0.700	1.0	100	0.00
69	T	o-Xylene	0.661	0.668	-1.1	101	0.00
70	T	Styrene	1.154	1.144	0.9	99	0.00
71	P	Bromoform	0.293	0.270	7.8	96	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.504	3.438	1.9	99	0.00
74	T	N-amyl acetate	1.491	1.464	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.031	11.9	99	0.00
76	T	1,2,3-Trichloropropane	0.999	0.859	14.0	100	0.00
77	T	Bromobenzene	0.942	0.838	11.0	98	0.00
78	T	n-propylbenzene	4.106	4.037	1.7	98	0.00
79	T	2-Chlorotoluene	2.683	2.572	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	2.904	2.946	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.382	9.3	98	0.00
82	T	4-Chlorotoluene	2.823	2.532	10.3	96	0.00
83	T	tert-Butylbenzene	2.403	2.533	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.000	-0.1	98	0.00
85	T	sec-Butylbenzene	3.395	3.383	0.4	99	0.00
86	T	p-Isopropyltoluene	2.784	2.872	-3.2	97	0.00
87	T	1,3-Dichlorobenzene	1.838	1.539	16.3	95	0.00
88	T	1,4-Dichlorobenzene	1.937	1.552	19.9	96	0.00
89	T	n-Butylbenzene	2.605	2.393	8.1	94	0.00
90	T	Hexachloroethane	0.621	0.541	12.9	95	0.00
91	T	1,2-Dichlorobenzene	1.766	1.546	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.216	8.9	103	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.779	19.4	93	0.00
94	T	Hexachlorobutadiene	0.425	0.336	20.9	94	0.00
95	T	Naphthalene	2.894	2.628	9.2	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.762	18.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	103	0.00
2	T	Dichlorodifluoromethane	50.000	45.985	8.0	99	0.00
3	P	Chloromethane	50.000	45.299	9.4	94	0.00
4	C	Vinyl Chloride	50.000	46.430	7.1#	98	0.00
5	T	Bromomethane	50.000	43.494	13.0	99	-0.05
6	T	Chloroethane	50.000	46.348	7.3	97	-0.05
7	T	Trichlorofluoromethane	50.000	45.644	8.7	100	-0.02
8	T	Diethyl Ether	50.000	46.640	6.7	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.702	8.6	97	-0.01
10	T	Methyl Iodide	50.000	46.542	6.9	100	-0.02
11	T	Tert butyl alcohol	250.000	219.840	12.1	100	0.01
12	CM	1,1-Dichloroethene	50.000	45.338	9.3#	99	-0.01
13	T	Acrolein	250.000	218.362	12.7	97	0.00
14	T	Allyl chloride	50.000	47.975	4.0	100	-0.01
15	T	Acrylonitrile	250.000	236.747	5.3	99	0.00
16	T	Acetone	250.000	244.445	2.2	103	0.00
17	T	Carbon Disulfide	50.000	42.682	14.6	96	-0.01
18	T	Methyl Acetate	50.000	44.944	10.1	95	0.00
19	T	Methyl tert-butyl Ether	50.000	48.603	2.8	99	0.00
20	T	Methylene Chloride	50.000	45.716	8.6	99	-0.01
21	T	trans-1,2-Dichloroethene	50.000	45.019	10.0	96	-0.01
22	T	Diisopropyl ether	50.000	48.739	2.5	99	0.00
23	T	Vinyl Acetate	250.000	247.614	1.0	99	0.00
24	P	1,1-Dichloroethane	50.000	46.408	7.2	99	-0.01
25	T	2-Butanone	250.000	237.635	4.9	105	0.00
26	T	2,2-Dichloropropane	50.000	45.103	9.8	95	0.00
27	T	cis-1,2-Dichloroethene	50.000	46.214	7.6	98	0.00
28	T	Bromochloromethane	50.000	54.971	-9.9	97	0.00
29	T	Tetrahydrofuran	250.000	245.822	1.7	102	0.00
30	C	Chloroform	50.000	47.316	5.4#	101	0.00
31	T	Cyclohexane	50.000	45.053	9.9	99	0.00
32	T	1,1,1-Trichloroethane	50.000	46.774	6.5	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.560	4.9	98	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	47.522	5.0	97	0.00
36	T	1,1-Dichloropropene	50.000	46.370	7.3	100	0.00
37	T	Ethyl Acetate	50.000	48.154	3.7	101	0.00
38	T	Carbon Tetrachloride	50.000	46.145	7.7	98	0.00
39	T	Methylcyclohexane	50.000	49.969	0.1	98	0.00
40	TM	Benzene	50.000	46.273	7.5	100	0.00
41	T	Methacrylonitrile	50.000	51.964	-3.9	101	0.00
42	TM	1,2-Dichloroethane	50.000	47.118	5.8	97	0.00
43	T	Isopropyl Acetate	50.000	45.492	9.0	99	0.00
44	TM	Trichloroethene	50.000	44.732	10.5	97	0.00
45	C	1,2-Dichloropropane	50.000	47.196	5.6#	100	0.00
46	T	Dibromomethane	50.000	45.911	8.2	98	0.00
47	T	Bromodichloromethane	50.000	46.560	6.9	98	0.00
48	T	Methyl methacrylate	50.000	51.057	-2.1	102	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1063.992	-6.4	107	0.00
50	S	Toluene-d8	50.000	48.359	3.3	96	0.00
51	T	4-Methyl-2-Pentanone	250.000	252.729	-1.1	101	0.00
52	CM	Toluene	50.000	48.616	2.8#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	45.911	8.2	96	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.832	6.3	97	0.00
55	T	1,1,2-Trichloroethane	50.000	47.618	4.8	100	0.00
56	T	Ethyl methacrylate	50.000	52.764	-5.5	98	0.00
57	T	1,3-Dichloropropane	50.000	47.765	4.5	100	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.013	-12.0	100	0.00
59	T	2-Hexanone	250.000	255.570	-2.2	101	0.00
60	T	Dibromochloromethane	50.000	49.079	1.8	98	0.00
61	T	1,2-Dibromoethane	50.000	46.393	7.2	98	0.00
62	S	4-Bromofluorobenzene	50.000	47.715	4.6	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	45.436	9.1	101	0.00
65	PM	Chlorobenzene	50.000	44.872	10.3	99	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	46.323	7.4	100	0.00
67	C	Ethyl Benzene	50.000	48.319	3.4#	100	0.00
68	T	m/p-Xylenes	100.000	98.979	1.0	100	0.00
69	T	o-Xylene	50.000	50.538	-1.1	101	0.00
70	T	Styrene	50.000	49.600	0.8	99	0.00
71	P	Bromoform	50.000	46.166	7.7	96	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	49.063	1.9	99	0.00
74	T	N-amyl acetate	50.000	49.076	1.8	99	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.058	11.9	99	0.00
76	T	1,2,3-Trichloropropane	50.000	42.988	14.0	100	0.00
77	T	Bromobenzene	50.000	44.500	11.0	98	0.00
78	T	n-propylbenzene	50.000	49.156	1.7	98	0.00
79	T	2-Chlorotoluene	50.000	47.930	4.1	101	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.714	-1.4	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.300	9.4	98	0.00
82	T	4-Chlorotoluene	50.000	44.837	10.3	96	0.00
83	T	tert-Butylbenzene	50.000	52.701	-5.4	103	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.053	-0.1	98	0.00
85	T	sec-Butylbenzene	50.000	49.829	0.3	99	0.00
86	T	p-Isopropyltoluene	50.000	51.568	-3.1	97	0.00
87	T	1,3-Dichlorobenzene	50.000	41.852	16.3	95	0.00
88	T	1,4-Dichlorobenzene	50.000	45.904	8.2	96	0.00
89	T	n-Butylbenzene	50.000	45.941	8.1	94	0.00
90	T	Hexachloroethane	50.000	43.597	12.8	95	0.00
91	T	1,2-Dichlorobenzene	50.000	43.765	12.5	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.651	8.7	103	0.00
93	T	1,2,4-Trichlorobenzene	50.000	40.290	19.4	93	0.00
94	T	Hexachlorobutadiene	50.000	39.544	20.9	94	0.00
95	T	Naphthalene	50.000	45.408	9.2	98	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084577.D
Acq On : 30 Oct 2024 15:06
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN103024

Quant Time: Oct 31 18:28:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:24:48 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	40.595	18.8	94	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VN084815.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG No.: P4780

Instrument ID: MSVOA_N Calibration Date/Time: 11/13/2024 09:52

Lab File ID: VN084815.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.575	0.546		-5.04	20
Chloromethane	0.952	0.608	0.1	-36.13	20
Vinyl Chloride	0.618	0.665		7.61	20
Ethyl Acetate	0.426	0.420		-1.41	20
Bromomethane	0.328	0.336		2.44	20
Chloroethane	0.488	0.417		-14.55	20
Trichlorofluoromethane	1.018	1.038		1.97	20
1,1,2-Trichlorotrifluoroethane	0.575	0.578		0.52	20
Tert butyl alcohol	0.095	0.080		-15.79	20
1,1-Dichloroethene	0.569	0.539		-5.27	20
Acrolein	0.095	0.074		-22.1	20
Acrylonitrile	0.276	0.258		-6.52	20
Acetone	0.238	0.205		-13.87	20
Carbon Disulfide	1.753	1.531		-12.66	20
Methyl tert-butyl Ether	1.745	1.800		3.15	20
Methyl Acetate	1.172	0.631		-46.16	20
Methylene Chloride	0.635	0.600		-5.51	20
trans-1,2-Dichloroethene	0.585	0.566		-3.25	20
Vinyl Acetate	1.265	1.271		0.47	20
1,1-Dichloroethane	1.102	1.068	0.1	-3.09	20
Cyclohexane	0.997	0.913		-8.43	20
2-Butanone	0.337	0.325		-3.56	20
Carbon Tetrachloride	0.525	0.567		8	20
2,2-Dichloropropane	0.959	0.987		2.92	20
cis-1,2-Dichloroethene	0.683	0.673		-1.46	20
Bromochloromethane	0.439	0.474		7.97	20
Chloroform	1.121	1.116		-0.45	20
1,1,1-Trichloroethane	1.021	1.034		1.27	20
Methylcyclohexane	0.478	0.545		14.02	20
1,1-Dichloropropene	0.469	0.478		1.92	20
Benzene	1.507	1.535		1.86	20
1,2-Dichloroethane	0.488	0.515		5.53	20
Trichloroethene	0.348	0.357		2.59	20
1,2-Dichloropropane	0.354	0.368		3.95	20
Dibromomethane	0.250	0.259		3.6	20
Bromodichloromethane	0.526	0.545		3.61	20
4-Methyl-2-Pentanone	0.406	0.412		1.48	20
Toluene	0.882	0.942		6.8	20

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

Raw Data: **VN084815.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG No.: P4780

Instrument ID: MSVOA_N Calibration Date/Time: 11/13/2024 09:52

Lab File ID: VN084815.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.544	0.546		0.37	20
cis-1,3-Dichloropropene	0.576	0.603		4.69	20
1,1,2-Trichloroethane	0.332	0.345		3.92	20
1,3-Dichloropropane	0.570	0.596		4.56	20
2-Chloroethyl Vinyl ether	0.225	0.249		10.67	20
2-Hexanone	0.296	0.312		5.41	20
Dibromochloromethane	0.378	0.403		6.61	20
1,2-Dibromoethane	0.340	0.339		-0.29	20
Tetrachloroethene	0.333	0.370		11.11	20
Chlorobenzene	1.119	1.142	0.3	2.06	20
1,1,1,2-Tetrachloroethane	0.389	0.420		7.97	20
Hexachloroethane	0.621	0.579		-6.76	20
Ethyl Benzene	1.867	2.028		8.62	20
m/p-Xylenes	0.707	0.777		9.9	20
o-Xylene	0.661	0.751		13.62	20
Styrene	1.154	1.259		9.1	20
Bromoform	0.293	0.315	0.1	7.51	20
Isopropylbenzene	3.504	3.640		3.88	20
1,1,2,2-Tetrachloroethane	1.170	1.056	0.3	-9.74	20
1,2,3-Trichloropropane	0.999	0.977		-2.2	20
Bromobenzene	0.942	0.899		-4.57	20
n-propylbenzene	4.106	4.270		3.99	20
2-Chlorotoluene	2.683	2.690		0.26	20
1,3,5-Trimethylbenzene	2.904	3.165		8.99	20
4-Chlorotoluene	2.823	2.721		-3.61	20
tert-Butylbenzene	2.403	2.655		10.49	20
1,2,4-Trimethylbenzene	2.997	3.232		7.84	20
sec-Butylbenzene	3.395	3.678		8.34	20
p-Isopropyltoluene	2.784	3.146		13	20
1,3-Dichlorobenzene	1.838	1.698		-7.62	20
1,4-Dichlorobenzene	1.937	1.702		-12.13	20
n-Butylbenzene	2.605	2.613		0.31	20
1,2-Dichlorobenzene	1.766	1.640		-7.14	20
1,2-Dibromo-3-Chloropropane	0.237	0.194		-18.14	20
1,2,4-Trichlorobenzene	0.967	0.823		-14.89	20
Hexachlorobutadiene	0.425	0.397		-6.59	20
Naphthalene	2.894	2.526		-12.72	20
1,2,3-Trichlorobenzene	0.939	0.834		-11.18	20

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P4780 SAS No.: P4780 SDG No.: P4780

Instrument ID: MSVOA_N Calibration Date/Time: 11/13/2024 09:52

Lab File ID: VN084815.D Init. Calib. Date(s): 10/30/2024 10/30/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:46 13:45

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.722	0.681		-5.68	20
Dibromofluoromethane	0.338	0.348		2.96	20
Toluene-d8	1.247	1.247		0	20
4-Bromofluorobenzene	0.466	0.482		3.43	20

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

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	176295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	281546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	243058	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120107	47.169	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.340%			
35) Dibromofluoromethane	8.159	113	97958	51.402	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.800%			
50) Toluene-d8	10.559	98	351154	50.021	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.040%			
62) 4-Bromofluorobenzene	12.847	95	135745	51.739	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	96195	47.465	ug/l	94
3) Chloromethane	2.359	50	107226	44.829	ug/l	100
4) Vinyl Chloride	2.512	62	117161	53.749	ug/l	96
5) Bromomethane	2.906	94	59293	51.340	ug/l	95
6) Chloroethane	3.077	64	73561	54.647	ug/l	98
7) Trichlorofluoromethane	3.471	101	182918	50.942	ug/l	93
8) Diethyl Ether	3.959	74	63024	49.756	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	101897	50.222	ug/l	96
10) Methyl Iodide	4.577	142	140001	51.629	ug/l	97
11) Tert butyl alcohol	5.530	59	70720	210.411	ug/l	100
12) 1,1-Dichloroethene	4.324	96	95055	47.347	ug/l	96
13) Acrolein	4.171	56	65521	195.496	ug/l	99
14) Allyl chloride	5.012	41	150935	46.358	ug/l	94
15) Acrylonitrile	5.712	53	227445	233.755	ug/l	98
16) Acetone	4.424	43	180714	245.643	ug/l	100
17) Carbon Disulfide	4.700	76	269968	43.666	ug/l	97
18) Methyl Acetate	5.018	43	111174	40.630	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	317360	51.574	ug/l	100
20) Methylene Chloride	5.271	84	105808	47.246	ug/l	92
21) trans-1,2-Dichloroethene	5.777	96	99711	48.368	ug/l	97
22) Diisopropyl ether	6.665	45	314968	48.685	ug/l	98
23) Vinyl Acetate	6.594	43	1120244	251.096	ug/l	99
24) 1,1-Dichloroethane	6.559	63	188301	48.480	ug/l	97
25) 2-Butanone	7.477	43	286555	241.222	ug/l	96
26) 2,2-Dichloropropane	7.483	77	173974	51.462	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	118677	49.303	ug/l	96
28) Bromochloromethane	7.806	49	83558	53.996	ug/l	92
29) Tetrahydrofuran	7.835	42	182415	231.465	ug/l	94
30) Chloroform	7.959	83	196747	49.768	ug/l	100
31) Cyclohexane	8.253	56	160995	45.797	ug/l	93
32) 1,1,1-Trichloroethane	8.159	97	182339	50.675	ug/l	98
36) 1,1-Dichloropropene	8.365	75	134688	50.960	ug/l	98
37) Ethyl Acetate	7.553	43	118334	49.347	ug/l	96
38) Carbon Tetrachloride	8.359	117	159542	54.005	ug/l	98
39) Methylcyclohexane	9.594	83	153429	57.062	ug/l	98
40) Benzene	8.600	78	432055	50.902	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	66538	51.598 ug/l		95
42) 1,2-Dichloroethane	8.665	62	145008	52.752 ug/l		99
43) Isopropyl Acetate	8.682	43	213313	48.114 ug/l		98
44) Trichloroethene	9.347	130	100437	51.308 ug/l		98
45) 1,2-Dichloropropane	9.618	63	103643	52.053 ug/l		99
46) Dibromomethane	9.700	93	72822	51.831 ug/l		97
47) Bromodichloromethane	9.882	83	153343	51.777 ug/l	#	98
48) Methyl methacrylate	9.677	41	92115	49.357 ug/l		93
49) 1,4-Dioxane	9.694	88	33022	998.496 ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	580539	253.954 ug/l		98
52) Toluene	10.629	92	265281	53.439 ug/l		99
53) t-1,3-Dichloropropene	10.829	75	153620	50.111 ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	169890	52.361 ug/l		95
55) 1,1,2-Trichloroethane	11.012	97	97167	51.963 ug/l		95
56) Ethyl methacrylate	10.871	69	149768	55.371 ug/l		94
57) 1,3-Dichloropropane	11.159	76	167938	52.330 ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	350740	277.120 ug/l		96
59) 2-Hexanone	11.194	43	439014	263.840 ug/l		97
60) Dibromochloromethane	11.353	129	113439	53.229 ug/l		99
61) 1,2-Dibromoethane	11.465	107	95450	49.846 ug/l		99
64) Tetrachloroethene	11.100	164	89817	55.554 ug/l		99
65) Chlorobenzene	11.888	112	277610	51.053 ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	102195	54.032 ug/l		99
67) Ethyl Benzene	11.959	91	492839	54.298 ug/l		99
68) m/p-Xylenes	12.065	106	377788	109.941 ug/l		99
69) o-Xylene	12.394	106	182515	56.777 ug/l		98
70) Styrene	12.406	104	306011	54.571 ug/l		99
71) Bromoform	12.576	173	76509	53.758 ug/l	#	98
73) Isopropylbenzene	12.694	105	461304	51.948 ug/l		100
74) N-amyl acetate	12.494	43	178664	47.271 ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	133876	45.166 ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	123787m	48.869 ug/l		
77) Bromobenzene	12.976	156	113968	47.740 ug/l		93
78) n-propylbenzene	13.035	91	541039	51.993 ug/l		99
79) 2-Chlorotoluene	13.123	91	340930	50.141 ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	401124	54.500 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	49512	46.372 ug/l		92
82) 4-Chlorotoluene	13.217	91	344801	48.186 ug/l		99
83) tert-Butylbenzene	13.435	119	336487	55.241 ug/l		97
84) 1,2,4-Trimethylbenzene	13.476	105	409543	53.914 ug/l		100
85) sec-Butylbenzene	13.612	105	466097	54.170 ug/l		100
86) p-Isopropyltoluene	13.723	119	398693	56.499 ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	215220	46.195 ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	215716	50.517 ug/l		99
89) n-Butylbenzene	14.053	91	331088	50.158 ug/l		99
90) Hexachloroethane	14.329	117	73345	46.607 ug/l		94
91) 1,2-Dichlorobenzene	14.100	146	207784	46.412 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	24575	40.926 ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	104240	42.540 ug/l		98
94) Hexachlorobutadiene	15.500	225	50297	46.740 ug/l		98
95) Naphthalene	15.635	128	320037	43.634 ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	105664	44.421 ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084815.D**

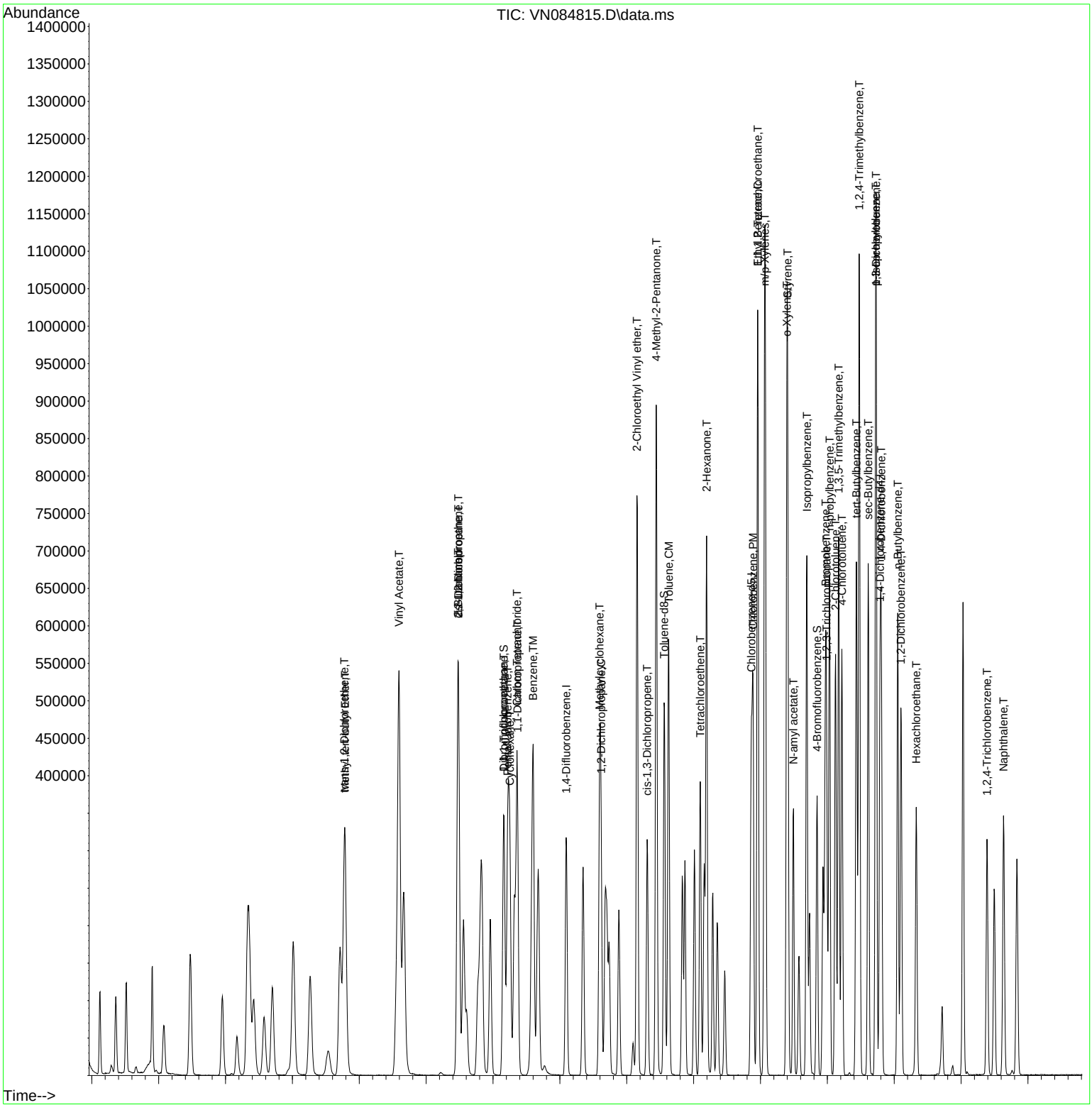
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024



Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	0.575	0.546	5.0	93	0.00
3	P	Chloromethane	0.952	0.608	36.1#	86	0.00
4	C	Vinyl Chloride	0.618	0.665	-7.6#	104	0.00
5	T	Bromomethane	0.328	0.336	-2.4	107	-0.05
6	T	Chloroethane	0.488	0.417	14.5	105	-0.04
7	T	Trichlorofluoromethane	1.018	1.038	-2.0	102	-0.02
8	T	Diethyl Ether	0.359	0.357	0.6	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.575	0.578	-0.5	98	-0.01
10	T	Methyl Iodide	0.769	0.794	-3.3	102	-0.02
11	T	Tert butyl alcohol	0.095	0.080	15.8	88	0.00
12	CM	1,1-Dichloroethene	0.569	0.539	5.3#	95	-0.02
13	T	Acrolein	0.095	0.074	22.1	80	0.00
14	T	Allyl chloride	0.923	0.856	7.3	88	-0.01
15	T	Acrylonitrile	0.276	0.258	6.5	90	0.00
16	T	Acetone	0.238	0.205	13.9	95	0.00
17	T	Carbon Disulfide	1.753	1.531	12.7	90	-0.01
18	T	Methyl Acetate	1.172	0.631	46.2#	80	0.00
19	T	Methyl tert-butyl Ether	1.745	1.800	-3.2	97	0.00
20	T	Methylene Chloride	0.635	0.600	5.5	94	0.00
21	T	trans-1,2-Dichloroethene	0.585	0.566	3.2	95	-0.01
22	T	Diisopropyl ether	1.835	1.787	2.6	91	0.00
23	T	Vinyl Acetate	1.265	1.271	-0.5	92	0.00
24	P	1,1-Dichloroethane	1.102	1.068	3.1	95	-0.01
25	T	2-Butanone	0.337	0.325	3.6	97	0.00
26	T	2,2-Dichloropropane	0.959	0.987	-2.9	99	0.00
27	T	cis-1,2-Dichloroethene	0.683	0.673	1.5	96	0.00
28	T	Bromochloromethane	0.439	0.474	-8.0	88	0.00
29	T	Tetrahydrofuran	0.224	0.207	7.6	88	0.00
30	C	Chloroform	1.121	1.116	0.4#	97	0.00
31	T	Cyclohexane	0.997	0.913	8.4	92	0.00
32	T	1,1,1-Trichloroethane	1.021	1.034	-1.3	99	-0.01
33	S	1,2-Dichloroethane-d4	0.722	0.681	5.7	89	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	90	0.00
35	S	Dibromofluoromethane	0.338	0.348	-3.0	91	0.00
36	T	1,1-Dichloropropene	0.469	0.478	-1.9	96	0.00
37	T	Ethyl Acetate	0.426	0.420	1.4	90	0.00
38	T	Carbon Tetrachloride	0.525	0.567	-8.0	100	0.00
39	T	Methylcyclohexane	0.478	0.545	-14.0	97	0.00
40	TM	Benzene	1.507	1.535	-1.9	96	0.00
41	T	Methacrylonitrile	0.229	0.236	-3.1	87	0.00
42	TM	1,2-Dichloroethane	0.488	0.515	-5.5	94	0.00
43	T	Isopropyl Acetate	0.927	0.758	18.2	91	0.00
44	TM	Trichloroethene	0.348	0.357	-2.6	96	0.00
45	C	1,2-Dichloropropane	0.354	0.368	-4.0#	96	0.00
46	T	Dibromomethane	0.250	0.259	-3.6	96	0.00
47	T	Bromodichloromethane	0.526	0.545	-3.6	94	0.00
48	T	Methyl methacrylate	0.331	0.327	1.2	85	0.00

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.006	0.0	88	0.00
50	S	Toluene-d8	1.247	1.247	0.0	87	0.00
51	T	4-Methyl-2-Pentanone	0.406	0.412	-1.5	88	0.00
52	CM	Toluene	0.882	0.942	-6.8#	95	0.00
53	T	t-1,3-Dichloropropene	0.544	0.546	-0.4	91	0.00
54	T	cis-1,3-Dichloropropene	0.576	0.603	-4.7	94	0.00
55	T	1,1,2-Trichloroethane	0.332	0.345	-3.9	95	0.00
56	T	Ethyl methacrylate	0.480	0.532	-10.8	89	0.00
57	T	1,3-Dichloropropane	0.570	0.596	-4.6	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.225	0.249	-10.7	86	0.00
59	T	2-Hexanone	0.296	0.312	-5.4	90	0.00
60	T	Dibromochloromethane	0.378	0.403	-6.6	92	0.00
61	T	1,2-Dibromoethane	0.340	0.339	0.3	92	0.00
62	S	4-Bromofluorobenzene	0.466	0.482	-3.4	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	87	0.00
64	T	Tetrachloroethene	0.333	0.370	-11.1	103	0.00
65	PM	Chlorobenzene	1.119	1.142	-2.1	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.389	0.420	-8.0	97	0.00
67	C	Ethyl Benzene	1.867	2.028	-8.6#	93	0.00
68	T	m/p-Xylenes	0.707	0.777	-9.9	93	0.00
69	T	o-Xylene	0.661	0.751	-13.6	95	0.00
70	T	Styrene	1.154	1.259	-9.1	91	0.00
71	P	Bromoform	0.293	0.315	-7.5	93	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.504	3.640	-3.9	93	0.00
74	T	N-amyl acetate	1.491	1.410	5.4	85	0.00
75	P	1,1,2,2-Tetrachloroethane	1.170	1.056	9.7	90	0.00
76	T	1,2,3-Trichloropropane	0.999	0.977	2.2	101	0.00
77	T	Bromobenzene	0.942	0.899	4.6	93	0.00
78	T	n-propylbenzene	4.106	4.270	-4.0	92	0.00
79	T	2-Chlorotoluene	2.683	2.690	-0.3	94	0.00
80	T	1,3,5-Trimethylbenzene	2.904	3.165	-9.0	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.421	0.391	7.1	89	0.00
82	T	4-Chlorotoluene	2.823	2.721	3.6	92	0.00
83	T	tert-Butylbenzene	2.403	2.655	-10.5	96	0.00
84	T	1,2,4-Trimethylbenzene	2.997	3.232	-7.8	94	0.00
85	T	sec-Butylbenzene	3.395	3.678	-8.3	95	0.00
86	T	p-Isopropyltoluene	2.784	3.146	-13.0	95	0.00
87	T	1,3-Dichlorobenzene	1.838	1.698	7.6	93	0.00
88	T	1,4-Dichlorobenzene	1.937	1.702	12.1	93	0.00
89	T	n-Butylbenzene	2.605	2.613	-0.3	91	0.00
90	T	Hexachloroethane	0.621	0.579	6.8	90	0.00
91	T	1,2-Dichlorobenzene	1.766	1.640	7.1	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.237	0.194	18.1	82	0.00
93	T	1,2,4-Trichlorobenzene	0.967	0.823	14.9	87	0.00
94	T	Hexachlorobutadiene	0.425	0.397	6.6	99	0.00
95	T	Naphthalene	2.894	2.526	12.7	83	0.00

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	0.939	0.834	11.2	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	94	0.00
2	T	Dichlorodifluoromethane	50.000	47.465	5.1	93	0.00
3	P	Chloromethane	50.000	44.829	10.3	86	0.00
4	C	Vinyl Chloride	50.000	53.749	-7.5#	104	0.00
5	T	Bromomethane	50.000	51.340	-2.7	107	-0.05
6	T	Chloroethane	50.000	54.647	-9.3	105	-0.04
7	T	Trichlorofluoromethane	50.000	50.942	-1.9	102	-0.02
8	T	Diethyl Ether	50.000	49.756	0.5	96	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.222	-0.4	98	-0.01
10	T	Methyl Iodide	50.000	51.629	-3.3	102	-0.02
11	T	Tert butyl alcohol	250.000	210.411	15.8	88	0.00
12	CM	1,1-Dichloroethene	50.000	47.347	5.3#	95	-0.02
13	T	Acrolein	250.000	195.496	21.8	80	0.00
14	T	Allyl chloride	50.000	46.358	7.3	88	-0.01
15	T	Acrylonitrile	250.000	233.755	6.5	90	0.00
16	T	Acetone	250.000	245.643	1.7	95	0.00
17	T	Carbon Disulfide	50.000	43.666	12.7	90	-0.01
18	T	Methyl Acetate	50.000	40.630	18.7	80	0.00
19	T	Methyl tert-butyl Ether	50.000	51.574	-3.1	97	0.00
20	T	Methylene Chloride	50.000	47.246	5.5	94	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.368	3.3	95	-0.01
22	T	Diisopropyl ether	50.000	48.685	2.6	91	0.00
23	T	Vinyl Acetate	250.000	251.096	-0.4	92	0.00
24	P	1,1-Dichloroethane	50.000	48.480	3.0	95	-0.01
25	T	2-Butanone	250.000	241.222	3.5	97	0.00
26	T	2,2-Dichloropropane	50.000	51.462	-2.9	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.303	1.4	96	0.00
28	T	Bromochloromethane	50.000	53.996	-8.0	88	0.00
29	T	Tetrahydrofuran	250.000	231.465	7.4	88	0.00
30	C	Chloroform	50.000	49.768	0.5#	97	0.00
31	T	Cyclohexane	50.000	45.797	8.4	92	0.00
32	T	1,1,1-Trichloroethane	50.000	50.675	-1.3	99	-0.01
33	S	1,2-Dichloroethane-d4	50.000	47.169	5.7	89	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	90	0.00
35	S	Dibromofluoromethane	50.000	51.402	-2.8	91	0.00
36	T	1,1-Dichloropropene	50.000	50.960	-1.9	96	0.00
37	T	Ethyl Acetate	50.000	49.347	1.3	90	0.00
38	T	Carbon Tetrachloride	50.000	54.005	-8.0	100	0.00
39	T	Methylcyclohexane	50.000	57.062	-14.1	97	0.00
40	TM	Benzene	50.000	50.902	-1.8	96	0.00
41	T	Methacrylonitrile	50.000	51.598	-3.2	87	0.00
42	TM	1,2-Dichloroethane	50.000	52.752	-5.5	94	0.00
43	T	Isopropyl Acetate	50.000	48.114	3.8	91	0.00
44	TM	Trichloroethene	50.000	51.308	-2.6	96	0.00
45	C	1,2-Dichloropropane	50.000	52.053	-4.1#	96	0.00
46	T	Dibromomethane	50.000	51.831	-3.7	96	0.00
47	T	Bromodichloromethane	50.000	51.777	-3.6	94	0.00
48	T	Methyl methacrylate	50.000	49.357	1.3	85	0.00

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	998.496	0.2	88	0.00
50	S	Toluene-d8	50.000	50.021	-0.0	87	0.00
51	T	4-Methyl-2-Pentanone	250.000	253.954	-1.6	88	0.00
52	CM	Toluene	50.000	53.439	-6.9#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	50.111	-0.2	91	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.361	-4.7	94	0.00
55	T	1,1,2-Trichloroethane	50.000	51.963	-3.9	95	0.00
56	T	Ethyl methacrylate	50.000	55.371	-10.7	89	0.00
57	T	1,3-Dichloropropane	50.000	52.330	-4.7	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	277.120	-10.8	86	0.00
59	T	2-Hexanone	250.000	263.840	-5.5	90	0.00
60	T	Dibromochloromethane	50.000	53.229	-6.5	92	0.00
61	T	1,2-Dibromoethane	50.000	49.846	0.3	92	0.00
62	S	4-Bromofluorobenzene	50.000	51.739	-3.5	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	87	0.00
64	T	Tetrachloroethene	50.000	55.554	-11.1	103	0.00
65	PM	Chlorobenzene	50.000	51.053	-2.1	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	54.032	-8.1	97	0.00
67	C	Ethyl Benzene	50.000	54.298	-8.6#	93	0.00
68	T	m/p-Xylenes	100.000	109.941	-9.9	93	0.00
69	T	o-Xylene	50.000	56.777	-13.6	95	0.00
70	T	Styrene	50.000	54.571	-9.1	91	0.00
71	P	Bromoform	50.000	53.758	-7.5	93	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	51.948	-3.9	93	0.00
74	T	N-amyl acetate	50.000	47.271	5.5	85	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.166	9.7	90	0.00
76	T	1,2,3-Trichloropropane	50.000	48.869	2.3	101	0.00
77	T	Bromobenzene	50.000	47.740	4.5	93	0.00
78	T	n-propylbenzene	50.000	51.993	-4.0	92	0.00
79	T	2-Chlorotoluene	50.000	50.141	-0.3	94	0.00
80	T	1,3,5-Trimethylbenzene	50.000	54.500	-9.0	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.372	7.3	89	0.00
82	T	4-Chlorotoluene	50.000	48.186	3.6	92	0.00
83	T	tert-Butylbenzene	50.000	55.241	-10.5	96	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.914	-7.8	94	0.00
85	T	sec-Butylbenzene	50.000	54.170	-8.3	95	0.00
86	T	p-Isopropyltoluene	50.000	56.499	-13.0	95	0.00
87	T	1,3-Dichlorobenzene	50.000	46.195	7.6	93	0.00
88	T	1,4-Dichlorobenzene	50.000	50.517	-1.0	93	0.00
89	T	n-Butylbenzene	50.000	50.158	-0.3	91	0.00
90	T	Hexachloroethane	50.000	46.607	6.8	90	0.00
91	T	1,2-Dichlorobenzene	50.000	46.412	7.2	93	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	40.926	18.1	82	0.00
93	T	1,2,4-Trichlorobenzene	50.000	42.540	14.9	87	0.00
94	T	Hexachlorobutadiene	50.000	46.740	6.5	99	0.00
95	T	Naphthalene	50.000	43.634	12.7	83	0.00

Sample Results: **VN084815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084815.D
Acq On : 13 Nov 2024 09:52
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Nov 14 00:28:43 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.421	11.2	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

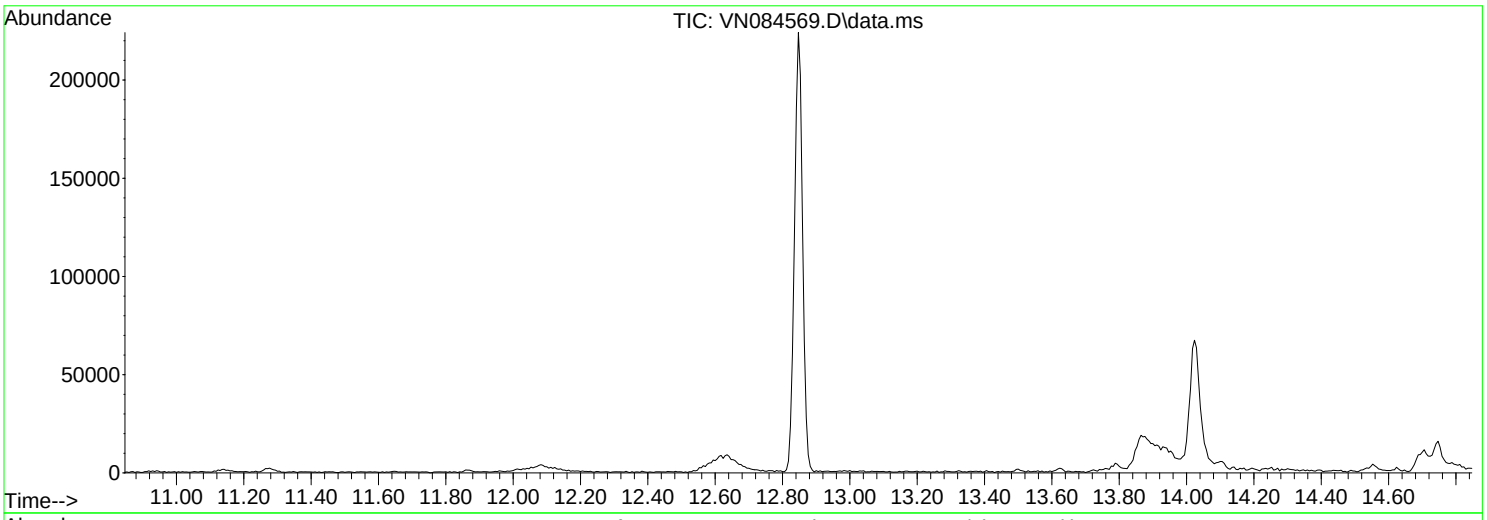
Sample Results: **VN084569.D**

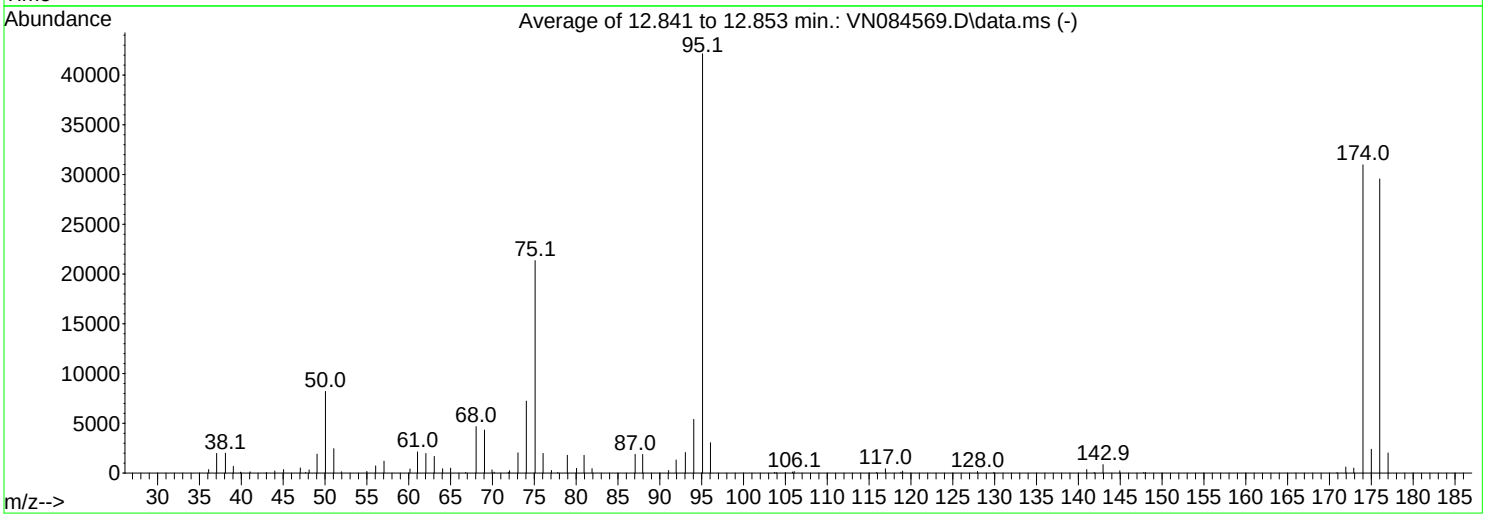
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN103024\
Data File : VN084569.D
Acq On : 30 Oct 2024 10:42
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.5	8210	PASS
75	95	30	60	50.7	21357	PASS
95	95	100	100	100.0	42141	PASS
96	95	5	9	7.2	3053	PASS
173	174	0.00	2	1.6	502	PASS
174	95	50	100	73.5	30984	PASS
175	174	5	9	7.7	2392	PASS
176	174	95	101	95.4	29560	PASS
177	176	5	9	6.9	2026	PASS

Average of 12.841 to 12.853 min.: VN084569.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	359	48.10	321	63.05	1677	74.05	7235
37.05	1972	49.05	1905	64.05	441	75.10	21357
38.10	2004	50.05	8210	65.00	496	76.05	1981
39.05	674	51.05	2454	66.80	70	77.05	266
39.90	98	51.95	137	68.05	4674	77.80	63
41.05	129	55.00	174	69.05	4327	78.95	1789
43.00	58	56.05	724	69.95	329	80.05	481
44.00	211	57.05	1205	70.20	94	80.95	1784
45.05	351	60.15	415	71.90	82	81.90	450
47.05	515	61.05	2127	72.05	237	87.05	1893
47.70	66	62.05	1973	73.05	2035	87.95	1870

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084569.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
91.05	256	115.90	54	148.00	75		
91.95	1316	116.95	438	170.90	52		
93.05	2070	118.80	90	171.95	607		
94.05	5401	119.00	202	172.90	502		
95.10	42141	127.95	162	174.00	30984		
96.05	3053	129.90	69	175.00	2392		
103.70	65	141.00	358	176.00	29560		
103.90	65	141.90	66	177.00	2026		
105.00	53	142.95	857				
105.85	107	144.95	228				
106.05	162	147.80	53				

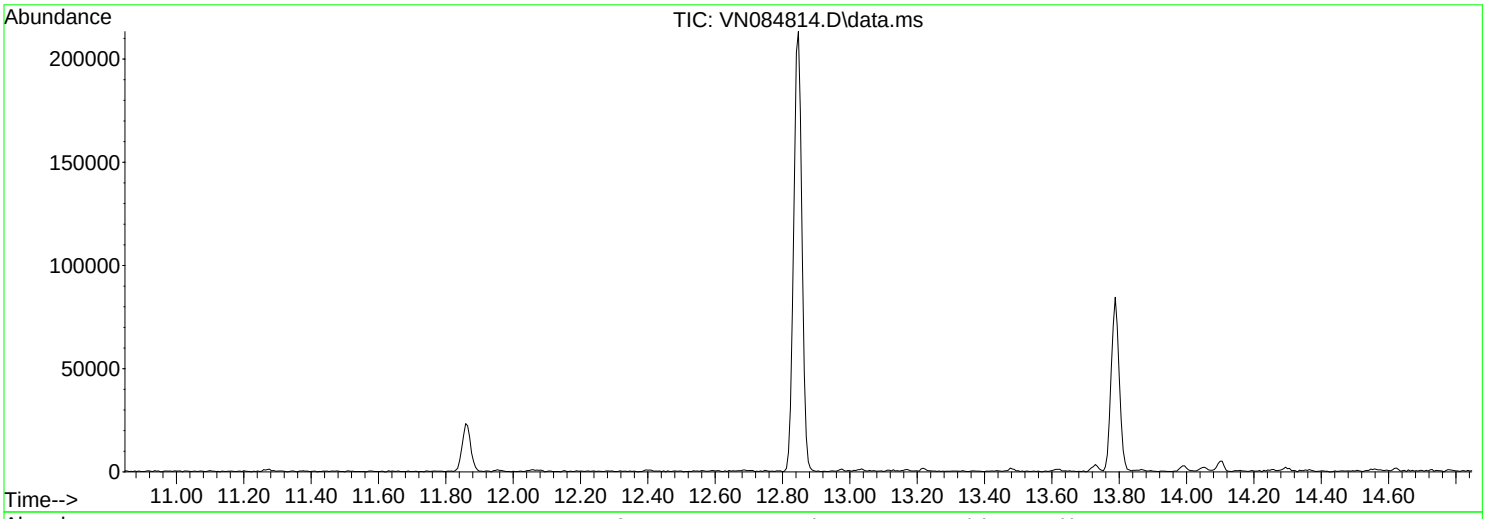
Sample Results: **VN084814.D**

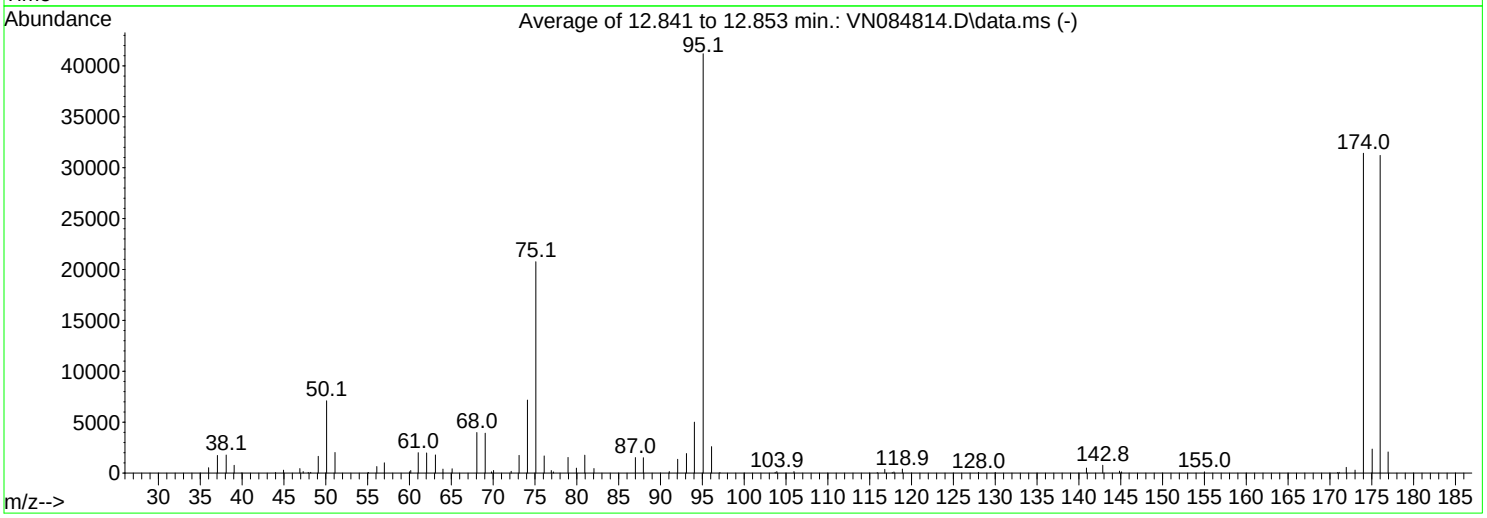
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084814.D
Acq On : 13 Nov 2024 08:53
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Title : SW846 8260
Last Update : Thu Oct 31 18:45:38 2024





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.2	7103	PASS
75	95	30	60	50.4	20765	PASS
95	95	100	100	100.0	41195	PASS
96	95	5	9	6.3	2598	PASS
173	174	0.00	2	0.9	292	PASS
174	95	50	100	76.3	31419	PASS
175	174	5	9	7.5	2357	PASS
176	174	95	101	99.3	31208	PASS
177	176	5	9	6.6	2074	PASS

Average of 12.841 to 12.853 min.: VN084814.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	531	49.10	1649	64.00	393	76.95	248
37.05	1731	50.10	7103	65.10	427	77.20	115
38.10	1774	51.10	2022	68.05	3985	78.95	1535
39.05	763	55.10	61	69.05	3920	79.95	487
39.90	6	56.10	641	69.80	121	80.95	1758
44.00	58	57.00	1009	70.05	254	82.05	450
44.95	286	60.00	127	72.15	177	87.00	1523
46.90	445	60.15	250	73.10	1741	87.95	1510
47.30	144	61.05	2007	74.10	7173	91.05	153
47.90	65	62.05	1978	75.10	20765	92.05	1355
48.20	70	63.10	1784	76.10	1683	93.10	1921

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN084814.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	5004	118.90	394	173.00	292		
95.10	41195	128.00	72	174.00	31419		
96.10	2598	130.00	53	175.05	2357		
97.10	55	140.90	496	176.00	31208		
103.70	80	142.85	768	176.95	2074		
103.90	150	144.85	194				
105.95	150	145.10	120				
115.90	53	155.00	125				
116.80	362	170.90	51				
117.70	55	171.10	74				
117.90	114	171.95	562				

Raw Data: **VN084817.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4780
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.21	U	0.21	1.00	ug/L
74-87-3	Chloromethane	0.35	U	0.35	1.00	ug/L
75-01-4	Vinyl Chloride	0.34	U	0.34	1.00	ug/L
141-78-6	Ethyl Acetate	0.38	U	0.38	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.56	U	0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.34	U	0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.60	U	5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.26	U	0.26	1.00	ug/L
107-02-8	Acrolein	6.70	U	6.70	25.0	ug/L
107-13-1	Acrylonitrile	0.90	U	0.90	5.00	ug/L
67-64-1	Acetone	1.40	U	1.40	5.00	ug/L
75-15-0	Carbon Disulfide	0.32	U	0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.60	U	0.60	1.00	ug/L
75-09-2	Methylene Chloride	0.32	U	0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
108-05-4	Vinyl Acetate	0.71	U	0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.60	U	1.60	5.00	ug/L
78-93-3	2-Butanone	1.30	U	1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	0.31	U	0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.25	U	0.25	1.00	ug/L
74-97-5	Bromochloromethane	0.18	U	0.18	1.00	ug/L
67-66-3	Chloroform	0.26	U	0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.19	U	0.19	1.00	ug/L
108-87-2	Methylcyclohexane	0.19	U	0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	0.18	U	0.18	1.00	ug/L

Raw Data: **VN084817.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4780
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	0.16	U	0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.24	U	0.24	1.00	ug/L
79-01-6	Trichloroethene	0.32	U	0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.19	U	0.19	1.00	ug/L
74-95-3	Dibromomethane	0.23	U	0.23	1.00	ug/L
75-27-4	Bromodichloromethane	0.24	U	0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.75	U	0.75	5.00	ug/L
108-88-3	Toluene	0.18	U	0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.21	U	0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.18	U	0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	0.17	U	0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	1.80	U	1.80	5.00	ug/L
591-78-6	2-Hexanone	1.10	U	1.10	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.16	U	0.16	1.00	ug/L
127-18-4	Tetrachloroethene	0.25	U	0.25	1.00	ug/L
108-90-7	Chlorobenzene	0.13	U	0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.21	U	0.21	1.00	ug/L
67-72-1	Hexachloroethane	0	U	0	0	ug/L
100-41-4	Ethyl Benzene	0.16	U	0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	0.31	U	0.31	2.00	ug/L
95-47-6	o-Xylene	0.14	U	0.14	1.00	ug/L
100-42-5	Styrene	0.16	U	0.16	1.00	ug/L
75-25-2	Bromoform	0.21	U	0.21	1.00	ug/L
98-82-8	Isopropylbenzene	0.13	U	0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.27	U	0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	0.39	U	0.39	1.00	ug/L
108-86-1	Bromobenzene	0.26	U	0.26	1.00	ug/L
103-65-1	n-propylbenzene	0.14	U	0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	0.16	U	0.16	1.00	ug/L

Raw Data: **VN084817.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4780
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	0.18	U	0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	0.17	U	0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.18	U	0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	0.17	U	0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	0.15	U	0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.24	U	0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.27	U	0.27	1.00	ug/L
104-51-8	n-Butylbenzene	0.22	U	0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.46	U	0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.42	U	0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	0.31	U	0.31	1.00	ug/L
91-20-3	Naphthalene	0.59	U	0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.51	U	0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	46.6		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.8		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	177000	8.218			
540-36-3	1,4-Difluorobenzene	303000	9.094			
3114-55-4	Chlorobenzene-d5	266000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	116000	13.788			

Raw Data: **VN084817.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBL01	SDG No.:	P4780
Lab Sample ID:	VN1113WBL01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084817.D	1		11/13/24 10:50	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084817.D
Acq On : 13 Nov 2024 10:50
Operator : JC\MD
Sample : VN1113WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Quant Time: Nov 14 00:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	177026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	303081	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266497	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115573	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	126582	49.507	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	99.020%		
35) Dibromofluoromethane	8.159	113	102487	49.957	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.920%		
50) Toluene-d8	10.565	98	352443	46.638	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	93.280%		
62) 4-Bromofluorobenzene	12.847	95	129442	45.831	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	91.660%		

Target Compounds Qvalue

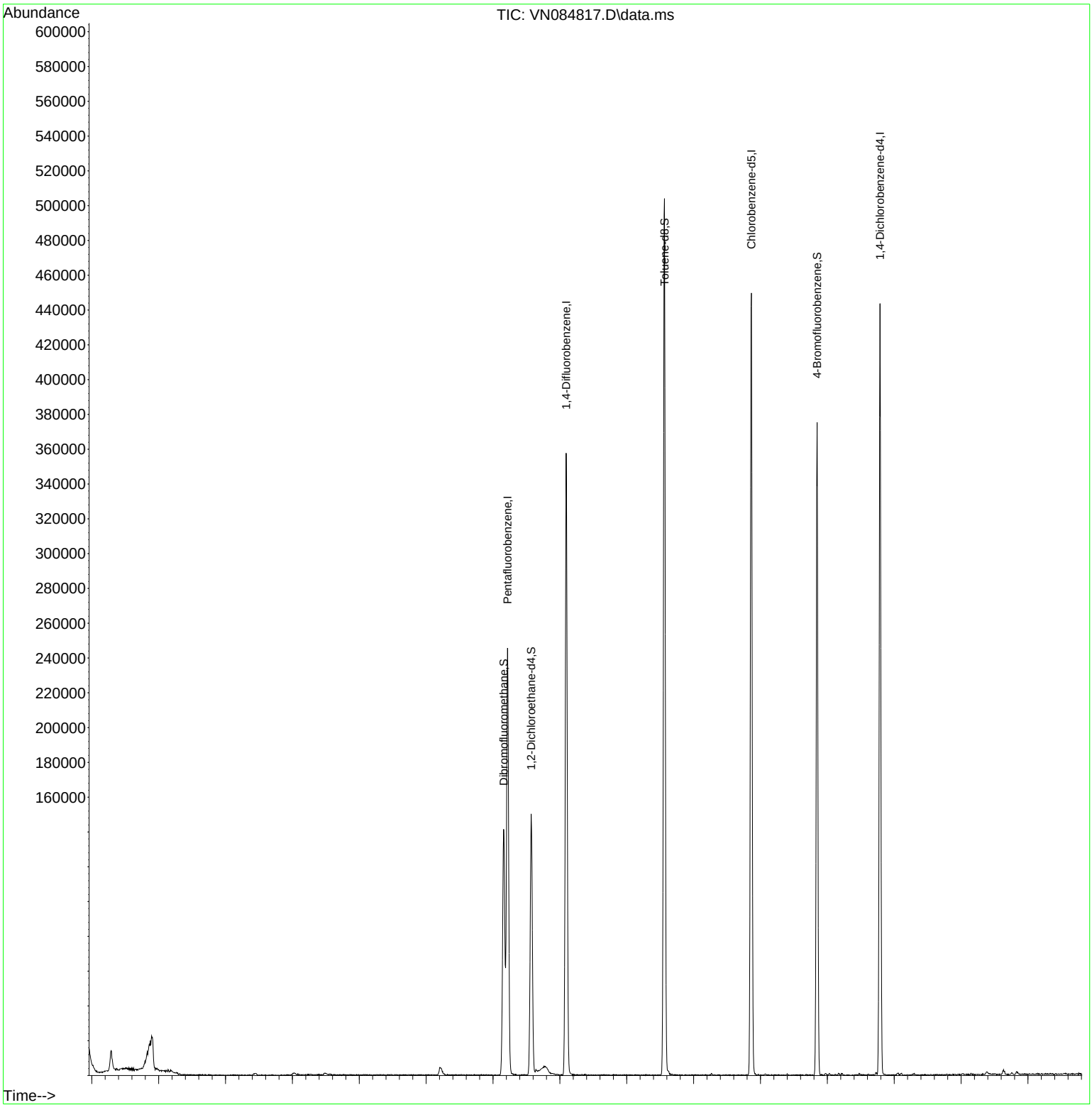
(#) = qualifier out of range (m) = manual integration (+) = signals summed

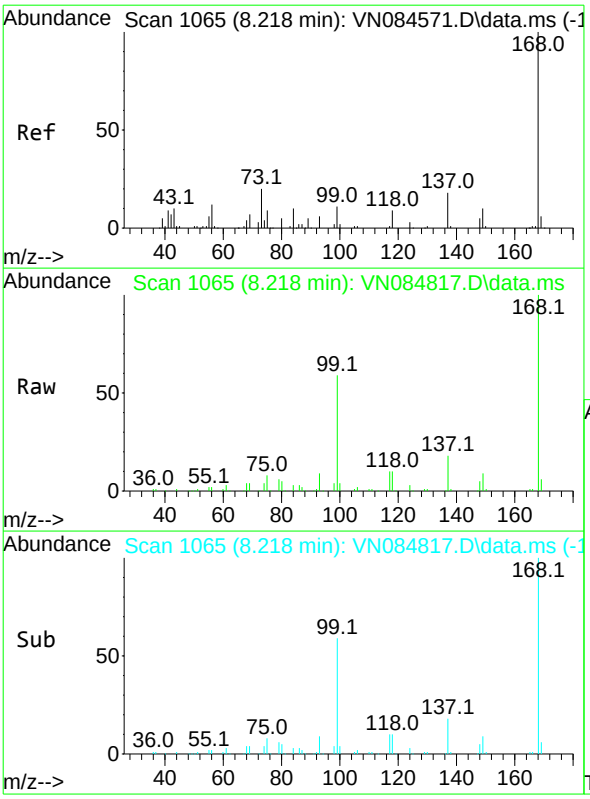
Sample Results: **VN084817.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084817.D
Acq On : 13 Nov 2024 10:50
Operator : JC\MD
Sample : VN1113WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Quant Time: Nov 14 00:30:36 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



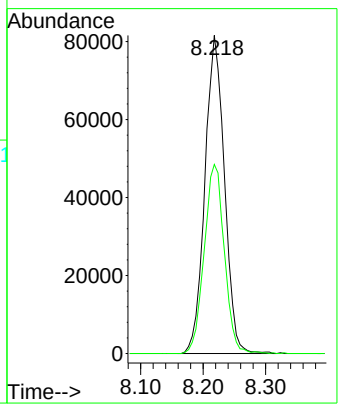


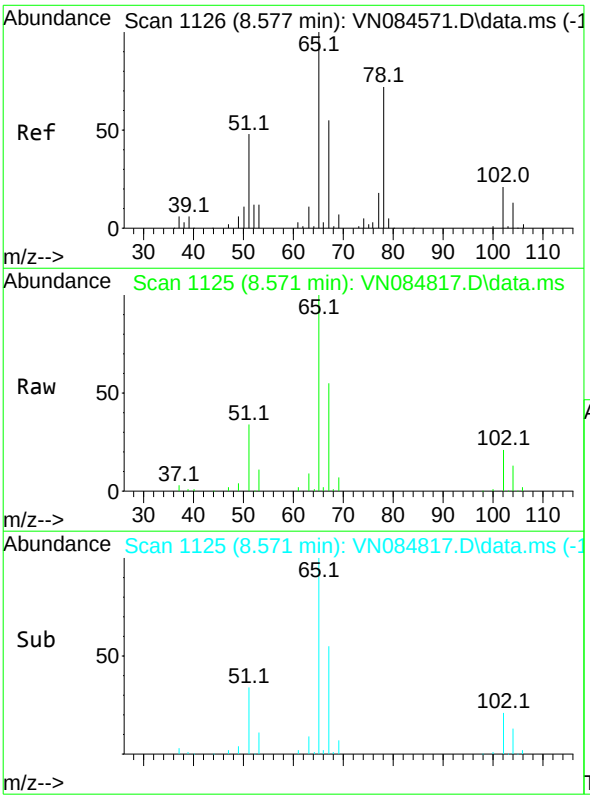
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion:168 Resp: 177026

Ion	Ratio	Lower	Upper
168	100		
99	59.4	54.2	81.2

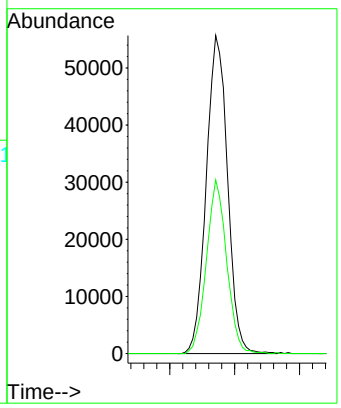


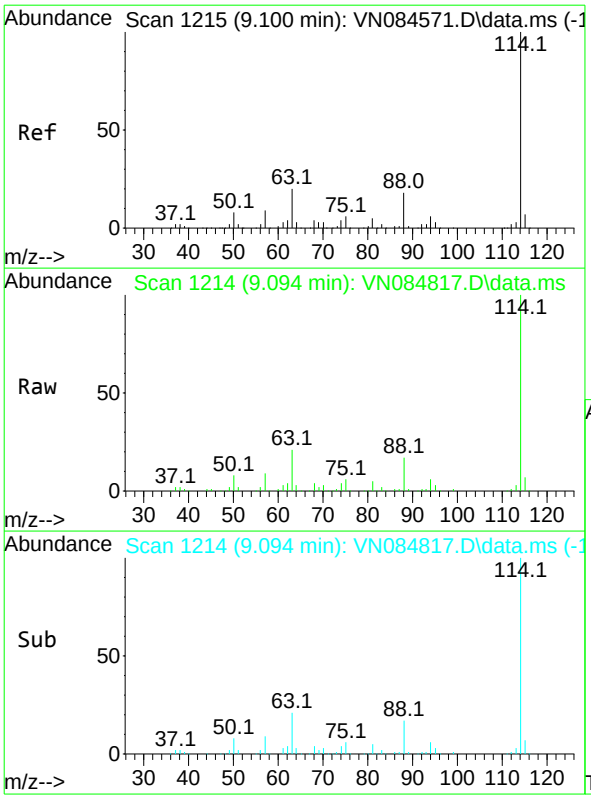


#33
1,2-Dichloroethane-d4
Concen: 49.507 ug/l
RT: 8.571 min Scan# 1125
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 65 Resp: 126582

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.0



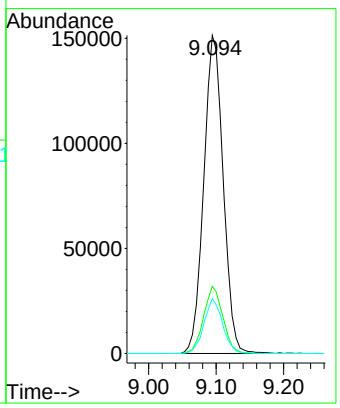


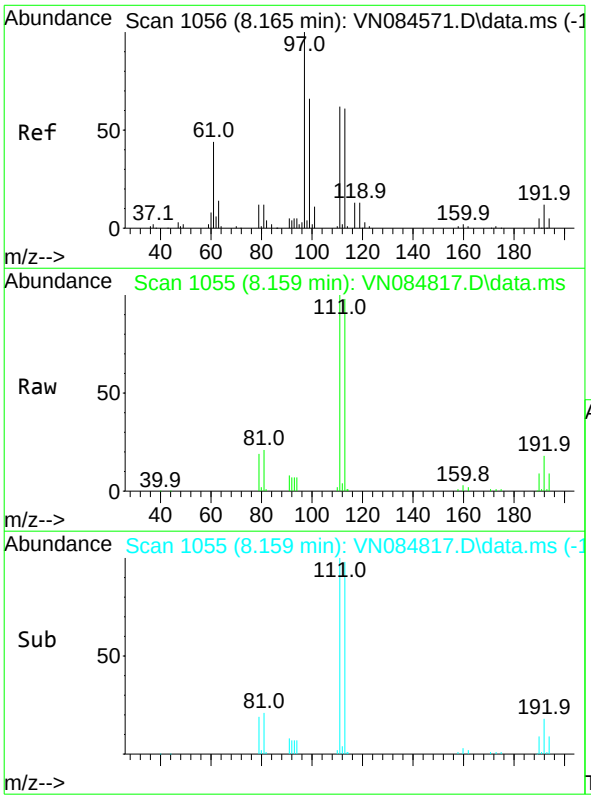
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.094 min Scan# 12
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion:114 Resp: 303081

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.8
88	17.3	0.0	31.6

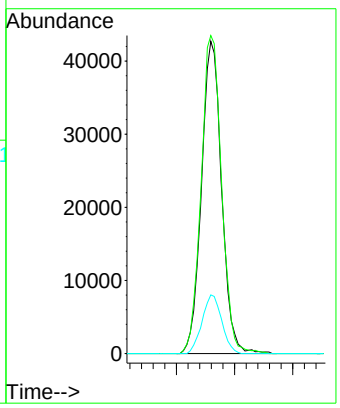


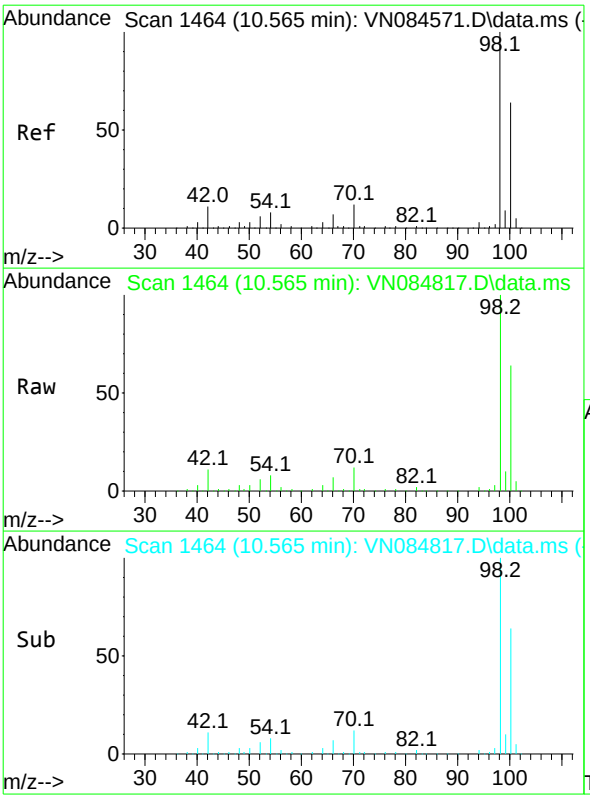


#35
Dibromofluoromethane
Concen: 49.957 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion:113 Resp: 102487

Ion	Ratio	Lower	Upper
113	100		
111	103.6	83.3	124.9
192	18.4	13.5	20.3



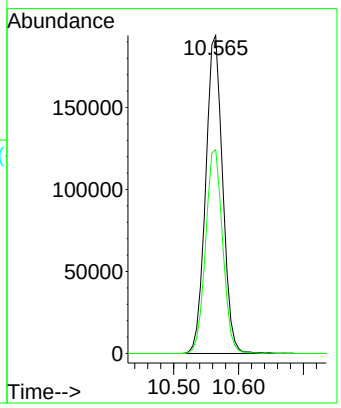


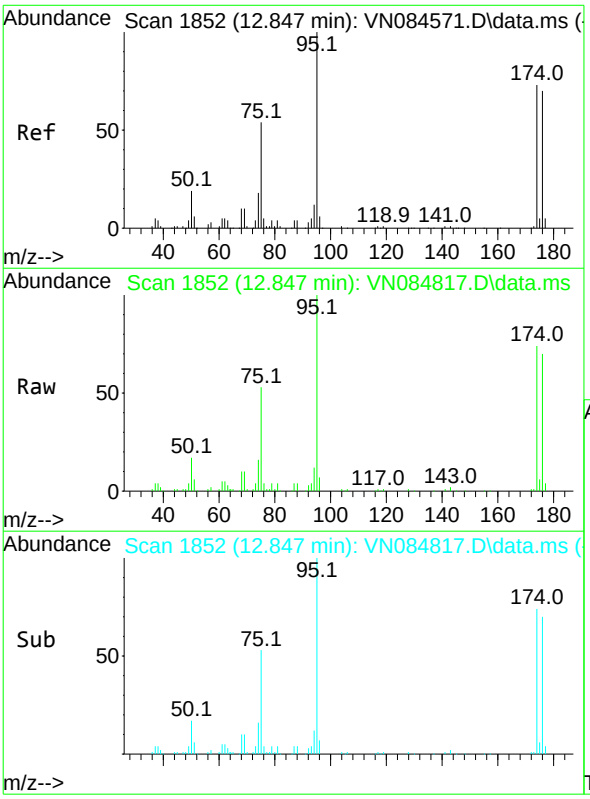
#50
Toluene-d8
Concen: 46.638 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion: 98 Resp: 352443

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.7	79.1

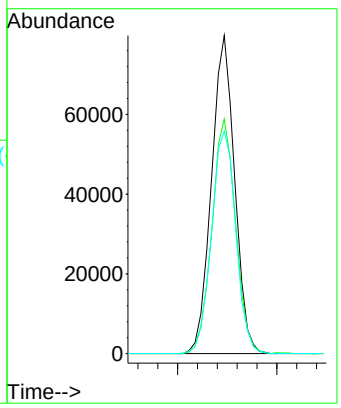


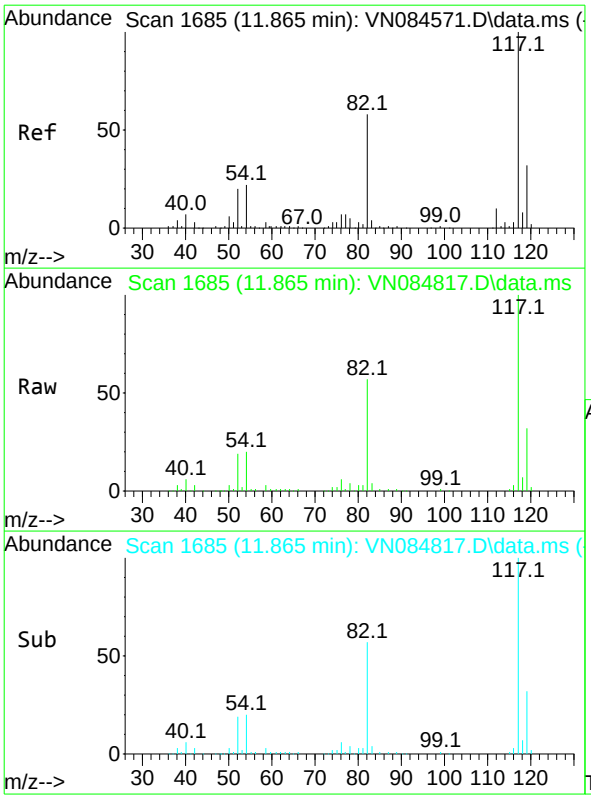


#62
4-Bromofluorobenzene
Concen: 45.831 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion: 95 Resp: 129442

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	145.2
176	73.1	0.0	140.0



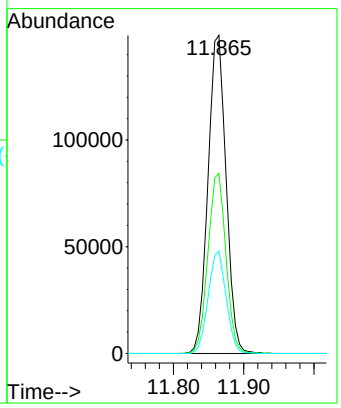


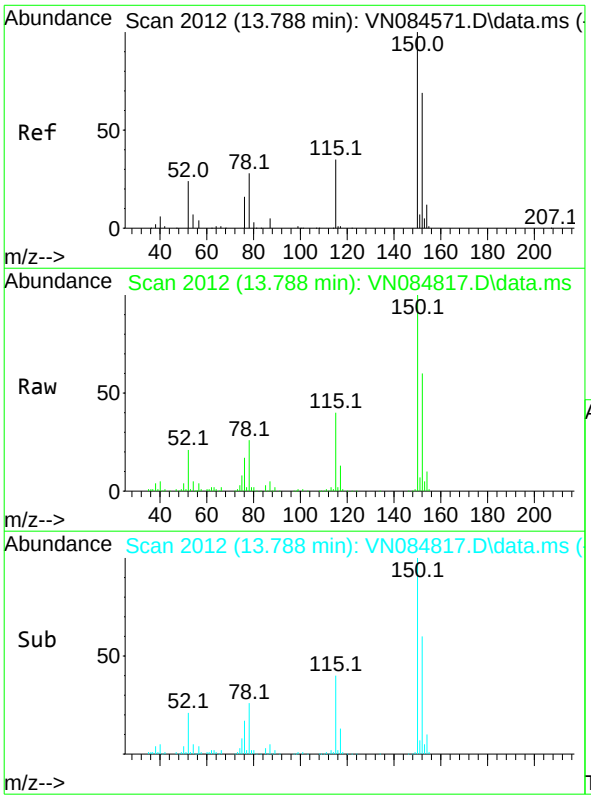
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. -0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBL01

Tgt Ion:117 Resp: 266497

Ion	Ratio	Lower	Upper
117	100		
82	56.6	47.2	70.8
119	32.2	25.4	38.0

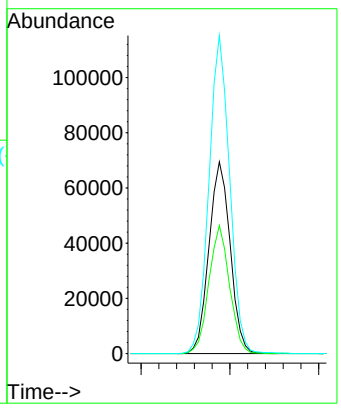




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084817.D
Acq: 13 Nov 2024 10:50

Tgt Ion:152 Resp: 115573

Ion	Ratio	Lower	Upper
152	100		
115	64.8	31.3	93.9
150	161.6	0.0	349.8



Raw Data: **VN084822.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4780
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.7		0.21	1.00	ug/L
74-87-3	Chloromethane	15.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	20.1		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	18.3		0.38	1.00	ug/L
74-83-9	Bromomethane	19.6		1.40	5.00	ug/L
75-00-3	Chloroethane	20.9		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.3		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.4		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	88.1		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	17.5		0.26	1.00	ug/L
107-02-8	Acrolein	67.2		6.70	25.0	ug/L
107-13-1	Acrylonitrile	88.0		0.90	5.00	ug/L
67-64-1	Acetone	89.8		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	15.6		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	13.3		0.60	1.00	ug/L
75-09-2	Methylene Chloride	17.5		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.5		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	91.2		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	18.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.60	5.00	ug/L
78-93-3	2-Butanone	91.6		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.1		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	19.1		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.3		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.18	1.00	ug/L
67-66-3	Chloroform	18.9		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	18.6		0.18	1.00	ug/L

Raw Data: **VN084822.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4780
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	18.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.19	1.00	ug/L
74-95-3	Dibromomethane	19.4		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.0		0.75	5.00	ug/L
108-88-3	Toluene	20.0		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.2		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.5		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	19.0		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	96.0		1.80	5.00	ug/L
591-78-6	2-Hexanone	99.3		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	19.6		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.1		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	20.6		0.25	1.00	ug/L
108-90-7	Chlorobenzene	18.9		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	19.7		0.21	1.00	ug/L
67-72-1	Hexachloroethane	17.2		0	0	ug/L
100-41-4	Ethyl Benzene	19.7		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	39.9		0.31	2.00	ug/L
95-47-6	o-Xylene	20.9		0.14	1.00	ug/L
100-42-5	Styrene	19.8		0.16	1.00	ug/L
75-25-2	Bromoform	19.5		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.1		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.5		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	18.5		0.39	1.00	ug/L
108-86-1	Bromobenzene	17.7		0.26	1.00	ug/L
103-65-1	n-propylbenzene	18.8		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	18.8		0.16	1.00	ug/L

Raw Data: **VN084822.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4780
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	20.1		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	17.5		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	20.3		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	19.9		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	19.5		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	20.2		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.9		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	18.2		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.8		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.2		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	16.1		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	17.3		0.31	1.00	ug/L
91-20-3	Naphthalene	16.4		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	15.7		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.4		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.2		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	194000	8.224			
540-36-3	1,4-Difluorobenzene	311000	9.1			
3114-55-4	Chlorobenzene-d5	273000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.788			

Raw Data: **VN084822.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBS01	SDG No.:	P4780
Lab Sample ID:	VN1113WBS01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084822.D	1		11/13/24 13:24	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Sample Results: **VN084822.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	193540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	311172	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	273249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	141208	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	129753	46.417	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.840%			
35) Dibromofluoromethane	8.159	113	105080	49.889	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.780%			
50) Toluene-d8	10.565	98	381724	49.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.847	95	148571	51.237	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 102.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.118	85	39364	17.693	ug/l	95
3) Chloromethane	2.359	50	43828	15.025	ug/l	91
4) Vinyl Chloride	2.512	62	48169	20.129	ug/l	98
5) Bromomethane	2.900	94	24860	19.607	ug/l	93
6) Chloroethane	3.077	64	32217	20.939	ug/l	98
7) Trichlorofluoromethane	3.471	101	72161	18.306	ug/l	95
8) Diethyl Ether	3.959	74	24999	17.978	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	40961	18.389	ug/l	97
10) Methyl Iodide	4.577	142	57021	19.154	ug/l	96
11) Tert butyl alcohol	5.536	59	32498	88.075	ug/l	98
12) 1,1-Dichloroethene	4.324	96	38523	17.479	ug/l	95
13) Acrolein	4.177	56	24726	67.202	ug/l	97
14) Allyl chloride	5.006	41	60587	16.950	ug/l	95
15) Acrylonitrile	5.712	53	93960	87.962	ug/l	99
16) Acetone	4.424	43	73980	89.791	ug/l	97
17) Carbon Disulfide	4.700	76	105663	15.568	ug/l	99
18) Methyl Acetate	5.018	43	47918	13.317	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	126925	18.789	ug/l	98
20) Methylene Chloride	5.265	84	43005	17.492	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	39652	17.521	ug/l	93
22) Diisopropyl ether	6.665	45	128933	18.154	ug/l	97
23) Vinyl Acetate	6.594	43	446876	91.240	ug/l	97
24) 1,1-Dichloroethane	6.559	63	76582	17.960	ug/l	98
25) 2-Butanone	7.482	43	119443	91.588	ug/l	98
26) 2,2-Dichloropropane	7.482	77	70733	19.059	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	48386	18.310	ug/l	95
28) Bromochloromethane	7.806	49	35458	20.872	ug/l	91
29) Tetrahydrofuran	7.835	42	75701	87.497	ug/l	93
30) Chloroform	7.959	83	82200	18.940	ug/l	97
31) Cyclohexane	8.253	56	69909	18.114	ug/l	90
32) 1,1,1-Trichloroethane	8.165	97	74581	18.880	ug/l	93
36) 1,1-Dichloropropene	8.365	75	54366	18.611	ug/l	99
37) Ethyl Acetate	7.553	43	48588	18.333	ug/l	96
38) Carbon Tetrachloride	8.359	117	65648	20.106	ug/l	98
39) Methylcyclohexane	9.594	83	58774	19.778	ug/l	96
40) Benzene	8.600	78	173125	18.455	ug/l	100

Sample Results: **VN084822.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	27711	19.443 ug/l		95
42) 1,2-Dichloroethane	8.665	62	57874	19.049 ug/l		97
43) Isopropyl Acetate	8.688	43	89635	17.683 ug/l		98
44) Trichloroethene	9.347	130	41511	19.187 ug/l		100
45) 1,2-Dichloropropane	9.618	63	42580	19.349 ug/l		98
46) Dibromomethane	9.706	93	30054	19.354 ug/l		97
47) Bromodichloromethane	9.888	83	63262	19.327 ug/l		98
48) Methyl methacrylate	9.676	41	39540	19.169 ug/l		96
49) 1,4-Dioxane	9.694	88	14415	394.372 ug/l	#	81
51) 4-Methyl-2-Pentanone	10.441	43	247640	98.015 ug/l		98
52) Toluene	10.623	92	109501	19.958 ug/l		99
53) t-1,3-Dichloropropene	10.835	75	61529	18.160 ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	68866	19.204 ug/l		93
55) 1,1,2-Trichloroethane	11.012	97	40197	19.450 ug/l		96
56) Ethyl methacrylate	10.870	69	61538	20.585 ug/l		95
57) 1,3-Dichloropropane	11.159	76	67289	18.971 ug/l		98
58) 2-Chloroethyl Vinyl ether	10.159	63	134289	96.000 ug/l		96
59) 2-Hexanone	11.194	43	182633	99.309 ug/l		96
60) Dibromochloromethane	11.359	129	46127	19.583 ug/l		96
61) 1,2-Dibromoethane	11.465	107	40349	19.065 ug/l		100
64) Tetrachloroethene	11.100	164	37374	20.563 ug/l		94
65) Chlorobenzene	11.888	112	115499	18.894 ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	41953	19.730 ug/l		98
67) Ethyl Benzene	11.959	91	201230	19.721 ug/l		98
68) m/p-Xylenes	12.070	106	154238	39.926 ug/l		99
69) o-Xylene	12.394	106	75575	20.913 ug/l		97
70) Styrene	12.412	104	125083	19.841 ug/l		99
71) Bromoform	12.576	173	31240	19.525 ug/l	#	98
73) Isopropylbenzene	12.694	105	189264	19.126 ug/l		100
74) N-amyl acetate	12.494	43	75052	17.820 ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	57951	17.545 ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	52213m	18.498 ug/l		
77) Bromobenzene	12.976	156	47085	17.700 ug/l		94
78) n-propylbenzene	13.035	91	218271	18.823 ug/l		98
79) 2-Chlorotoluene	13.123	91	142466	18.803 ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	165135	20.135 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	19701	16.558 ug/l		88
82) 4-Chlorotoluene	13.217	91	139683	17.518 ug/l		99
83) tert-Butylbenzene	13.435	119	137464	20.252 ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	168056	19.853 ug/l		99
85) sec-Butylbenzene	13.611	105	186571	19.458 ug/l		99
86) p-Isopropyltoluene	13.729	119	159085	20.231 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	87544	16.863 ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	91273	18.459 ug/l		95
89) n-Butylbenzene	14.053	91	133782	18.188 ug/l		99
90) Hexachloroethane	14.329	117	30179	17.209 ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	88621	17.764 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.711	75	10832	16.188 ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	43935	16.090 ug/l		99
94) Hexachlorobutadiene	15.500	225	20801	17.347 ug/l		98
95) Naphthalene	15.635	128	134429	16.447 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	41536	15.670 ug/l		98

Sample Results: **VN084822.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084822.D**

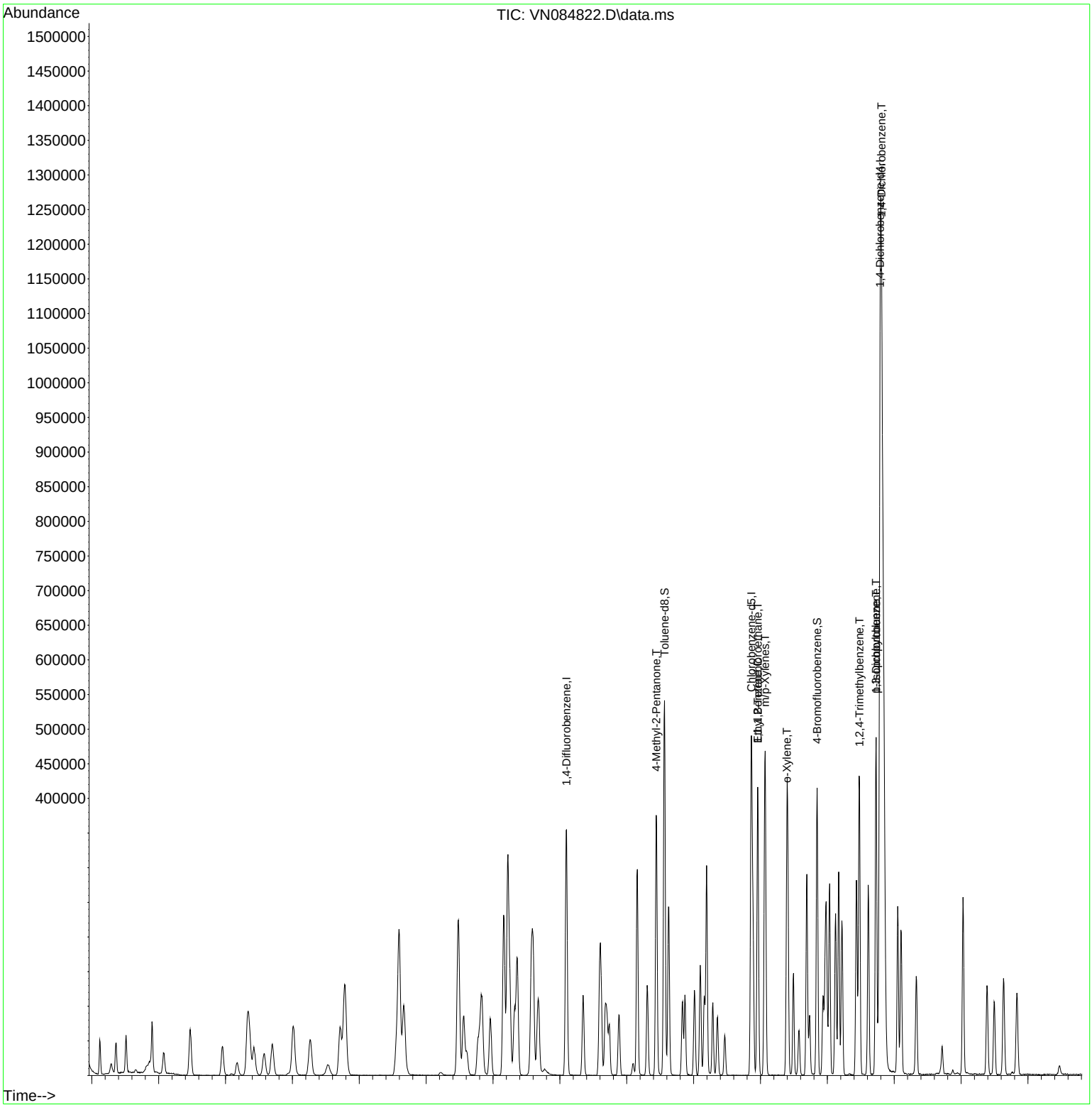
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084822.D
Acq On : 13 Nov 2024 13:24
Operator : JC\MD
Sample : VN1113WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 14 00:34:05 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024



Raw Data: **VN084823.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4780
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.5		0.21	1.00	ug/L
74-87-3	Chloromethane	17.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	21.9		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	21.3		0.38	1.00	ug/L
74-83-9	Bromomethane	21.4		1.40	5.00	ug/L
75-00-3	Chloroethane	22.6		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.9		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	100		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.8		0.26	1.00	ug/L
107-02-8	Acrolein	74.5		6.70	25.0	ug/L
107-13-1	Acrylonitrile	100		0.90	5.00	ug/L
67-64-1	Acetone	100		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	18.2		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.4		0.16	1.00	ug/L
79-20-9	Methyl Acetate	16.3		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.1		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	100		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.4		1.60	5.00	ug/L
78-93-3	2-Butanone	100		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.9		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	21.5		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.5		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.9		0.18	1.00	ug/L
67-66-3	Chloroform	21.5		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.0		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	21.8		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	20.2		0.18	1.00	ug/L

Raw Data: **VN084823.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4780
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	20.7		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.24	1.00	ug/L
79-01-6	Trichloroethene	22.3		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.0		0.19	1.00	ug/L
74-95-3	Dibromomethane	21.3		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	21.4		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.75	5.00	ug/L
108-88-3	Toluene	21.4		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.5		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	21.2		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	110		1.80	5.00	ug/L
591-78-6	2-Hexanone	110		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	23.0		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	22.0		0.25	1.00	ug/L
108-90-7	Chlorobenzene	20.5		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	21.9		0.21	1.00	ug/L
67-72-1	Hexachloroethane	18.8		0	0	ug/L
100-41-4	Ethyl Benzene	21.0		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	42.9		0.31	2.00	ug/L
95-47-6	o-Xylene	22.0		0.14	1.00	ug/L
100-42-5	Styrene	21.5		0.16	1.00	ug/L
75-25-2	Bromoform	21.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.9		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	17.8		0.39	1.00	ug/L
108-86-1	Bromobenzene	19.6		0.26	1.00	ug/L
103-65-1	n-propylbenzene	19.9		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	19.7		0.16	1.00	ug/L

Raw Data: **VN084823.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4780
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	21.2		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	19.0		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	21.1		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.6		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	20.6		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	21.4		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.7		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	19.2		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.6		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.8		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	19.1		0.31	1.00	ug/L
91-20-3	Naphthalene	18.0		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.3		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		74 - 125	91%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	47.8		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	145000	8.218			
540-36-3	1,4-Difluorobenzene	235000	9.1			
3114-55-4	Chlorobenzene-d5	212000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	111000	13.788			

Raw Data: **VN084823.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1113WBSD01	SDG No.:	P4780
Lab Sample ID:	VN1113WBSD01	Matrix:	Water
Analytical Method:	SW8260	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC- Chemtech Full
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN084823.D	1		11/13/24 14:00	VN111324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

Sample Results: **VN084823.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	144835	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	235271	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	211677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	94886	45.359	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.720%			
35) Dibromofluoromethane	8.159	113	77380	48.590	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.180%			
50) Toluene-d8	10.565	98	280379	47.795	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.600%			
62) 4-Bromofluorobenzene	12.847	95	111771	50.981	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	34161	20.517	ug/l	95
3) Chloromethane	2.359	50	36498	17.019	ug/l	96
4) Vinyl Chloride	2.512	62	39219	21.900	ug/l	97
5) Bromomethane	2.901	94	20351	21.449	ug/l	85
6) Chloroethane	3.077	64	25938	22.635	ug/l #	89
7) Trichlorofluoromethane	3.471	101	61535	20.860	ug/l	99
8) Diethyl Ether	3.953	74	21737	20.889	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.353	101	35448	21.266	ug/l	95
10) Methyl Iodide	4.577	142	48302	21.682	ug/l	98
11) Tert butyl alcohol	5.536	59	27606	99.976	ug/l	99
12) 1,1-Dichloroethene	4.324	96	32595	19.762	ug/l	96
13) Acrolein	4.177	56	20520	74.525	ug/l	98
14) Allyl chloride	5.006	41	52205	19.517	ug/l	93
15) Acrylonitrile	5.712	53	80820	101.104	ug/l	98
16) Acetone	4.430	43	63688	103.727	ug/l	100
17) Carbon Disulfide	4.706	76	92206	18.153	ug/l	96
18) Methyl Acetate	5.012	43	41827	16.255	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	108185	21.400	ug/l	93
20) Methylene Chloride	5.265	84	37718	20.500	ug/l #	85
21) trans-1,2-Dichloroethene	5.777	96	34032	20.094	ug/l	95
22) Diisopropyl ether	6.665	45	108204	20.358	ug/l	96
23) Vinyl Acetate	6.594	43	380570	103.831	ug/l	96
24) 1,1-Dichloroethane	6.565	63	64127	20.096	ug/l	98
25) 2-Butanone	7.477	43	101609	104.114	ug/l	100
26) 2,2-Dichloropropane	7.489	77	59772	21.521	ug/l	98
27) cis-1,2-Dichloroethene	7.483	96	40506	20.483	ug/l	97
28) Bromochloromethane	7.806	49	26531	20.869	ug/l	93
29) Tetrahydrofuran	7.836	42	64449	99.542	ug/l	92
30) Chloroform	7.959	83	69722	21.467	ug/l	100
31) Cyclohexane	8.247	56	58930	20.404	ug/l	99
32) 1,1,1-Trichloroethane	8.159	97	62101	21.008	ug/l	94
36) 1,1-Dichloropropene	8.371	75	44595	20.191	ug/l	98
37) Ethyl Acetate	7.559	43	42592	21.255	ug/l	97
38) Carbon Tetrachloride	8.353	117	53965	21.860	ug/l	95
39) Methylcyclohexane	9.594	83	48964	21.792	ug/l	96
40) Benzene	8.600	78	146711	20.684	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.771	41	23229	21.557	ug/l		94
42) 1,2-Dichloroethane	8.665	62	49432	21.520	ug/l		99
43) Isopropyl Acetate	8.683	43	76401	20.060	ug/l		99
44) Trichloroethene	9.347	130	36415	22.261	ug/l		86
45) 1,2-Dichloropropane	9.618	63	34904	20.978	ug/l		98
46) Dibromomethane	9.706	93	24966	21.265	ug/l		95
47) Bromodichloromethane	9.882	83	53004	21.417	ug/l		98
48) Methyl methacrylate	9.677	41	32696	20.965	ug/l		95
49) 1,4-Dioxane	9.694	88	12102	437.906	ug/l	#	82
51) 4-Methyl-2-Pentanone	10.441	43	208306	109.045	ug/l		99
52) Toluene	10.629	92	88883	21.427	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	52463	20.479	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	56924	20.995	ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	33197	21.245	ug/l		99
56) Ethyl methacrylate	10.871	69	51492	22.782	ug/l		95
57) 1,3-Dichloropropane	11.159	76	56773	21.170	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	111900	105.802	ug/l		96
59) 2-Hexanone	11.194	43	156533	112.577	ug/l		96
60) Dibromochloromethane	11.359	129	40944	22.991	ug/l		98
61) 1,2-Dibromoethane	11.465	107	33340	20.835	ug/l		97
64) Tetrachloroethene	11.100	164	30999	22.016	ug/l		97
65) Chlorobenzene	11.888	112	97118	20.508	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.959	131	36105	21.919	ug/l		96
67) Ethyl Benzene	11.965	91	166079	21.010	ug/l		98
68) m/p-Xylenes	12.071	106	128485	42.934	ug/l		99
69) o-Xylene	12.394	106	61450	21.950	ug/l		97
70) Styrene	12.406	104	105142	21.529	ug/l		99
71) Bromoform	12.576	173	26942	21.737	ug/l	#	99
73) Isopropylbenzene	12.694	105	153827	19.857	ug/l		99
74) N-amyl acetate	12.494	43	62516	18.960	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.935	83	48704	18.835	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	39260m	17.767	ug/l		
77) Bromobenzene	12.976	156	40793	19.588	ug/l		91
78) n-propylbenzene	13.035	91	180726	19.908	ug/l		98
79) 2-Chlorotoluene	13.123	91	116628	19.662	ug/l		97
80) 1,3,5-Trimethylbenzene	13.171	105	136195	21.212	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	17077	18.334	ug/l		92
82) 4-Chlorotoluene	13.218	91	118700	19.015	ug/l		100
83) tert-Butylbenzene	13.435	119	112040	21.084	ug/l		98
84) 1,2,4-Trimethylbenzene	13.476	105	136557	20.607	ug/l		100
85) sec-Butylbenzene	13.612	105	154263	20.551	ug/l		100
86) p-Isopropyltoluene	13.729	119	131536	21.367	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	74623	18.361	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	75927	19.675	ug/l		99
89) n-Butylbenzene	14.053	91	110781	19.238	ug/l		99
90) Hexachloroethane	14.335	117	25791	18.787	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	72630	18.597	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	10004	19.097	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	38113	17.829	ug/l		99
94) Hexachlorobutadiene	15.500	225	17910	19.079	ug/l		98
95) Naphthalene	15.635	128	114920	17.961	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	35883	17.292	ug/l		97

Sample Results: **VN084823.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VN084823.D**

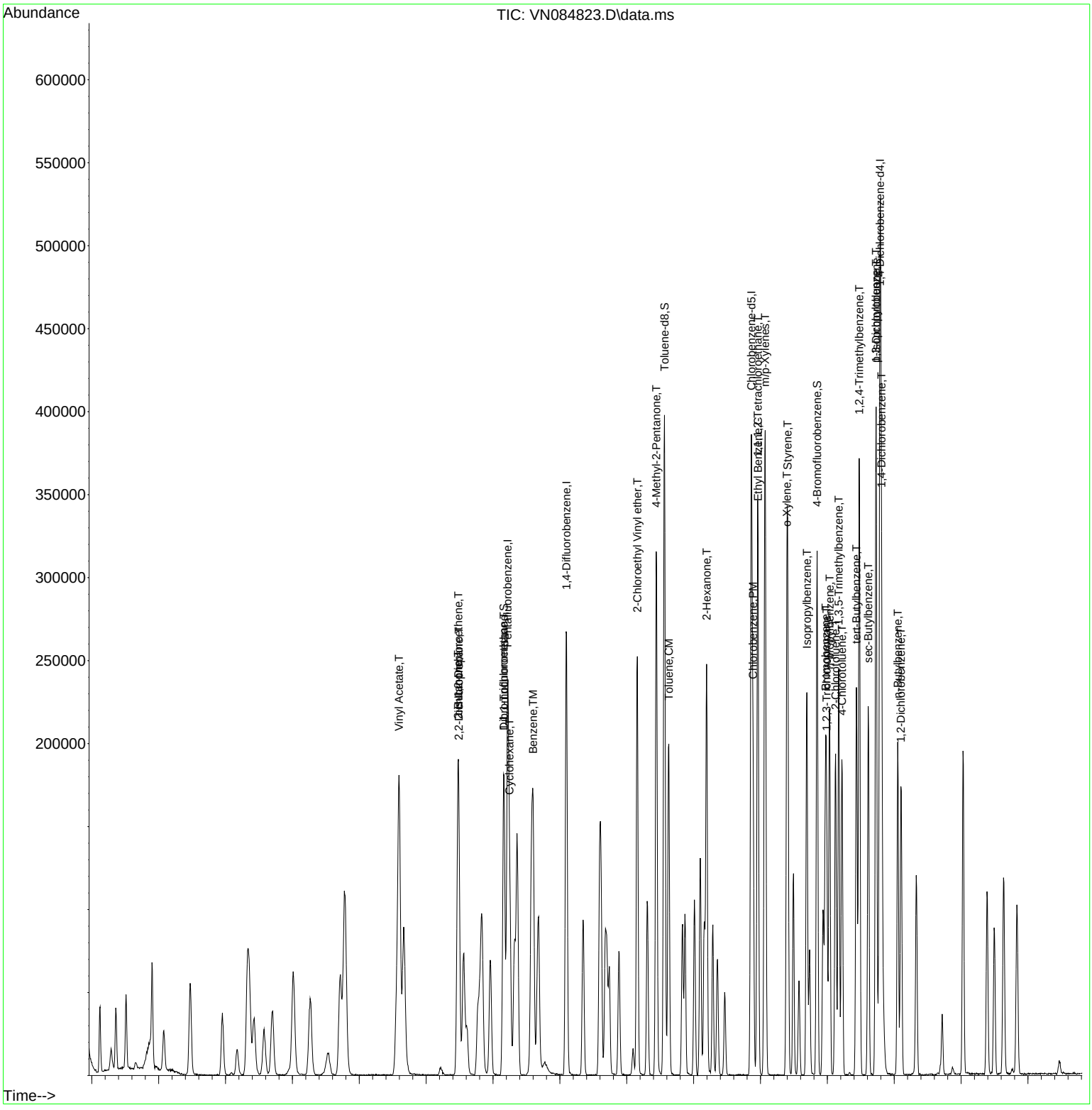
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111324\
Data File : VN084823.D
Acq On : 13 Nov 2024 14:00
Operator : JC\MD
Sample : VN1113WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 14 00:35:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1113WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 11/14/2024
Supervised By :Mahesh Dadoda 11/14/2024



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

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN084570.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:14 AM	MMDadoda	11/4/2024 1:18:00 AM	Peak Integrated by Software
VSTDICCC050	VN084571.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:15 AM	MMDadoda	11/4/2024 1:18:01 AM	Peak Integrated by Software
VSTDICC020	VN084572.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:16 AM	MMDadoda	11/4/2024 1:18:03 AM	Peak Integrated by Software
VSTDICC010	VN084573.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:17 AM	MMDadoda	11/4/2024 1:18:04 AM	Peak Integrated by Software
VSTDICC005	VN084574.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:20 AM	MMDadoda	11/4/2024 1:18:05 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	1,4-Dichlorobenzene	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Acetone	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICC001	VN084575.D	Diethyl Ether	SAM	11/4/2024 1:12:21 AM	MMDadoda	11/4/2024 1:18:07 AM	Peak Integrated by Software
VSTDICV050	VN084577.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:23 AM	MMDadoda	11/4/2024 1:18:09 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	1,2,3-Trichloropropane	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software
VSTDCCC050	VN084579.D	trans-1,4-Dichloro-2-but ene	SAM	11/4/2024 1:12:34 AM	MMDadoda	11/4/2024 1:18:38 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn103024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	VN111324	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN084815.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:19 AM	MMDadoda	11/14/2024 3:18:30 PM	Peak Integrated by Software
VN1113WBS01	VN084822.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:28 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software
VN1113WBSD01	VN084823.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:33 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software
VSTDCCC050	VN084840.D	1,2,3-Trichloropropane	JOHN	11/14/2024 9:39:38 AM	MMDadoda	11/14/2024 3:18:39 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N		HP Processing Method	82n103024w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084569.D	30 Oct 2024 10:42	JC\MD	Ok
2	VSTDICC100	VN084570.D	30 Oct 2024 11:46	JC\MD	Ok,M
3	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	JC\MD	Ok,M
4	VSTDICC020	VN084572.D	30 Oct 2024 12:33	JC\MD	Ok,M
5	VSTDICC010	VN084573.D	30 Oct 2024 12:57	JC\MD	Ok,M
6	VSTDICC005	VN084574.D	30 Oct 2024 13:21	JC\MD	Ok,M
7	VSTDICC001	VN084575.D	30 Oct 2024 13:45	JC\MD	Ok,M
8	VIBLK	VN084576.D	30 Oct 2024 14:42	JC\MD	Ok
9	VSTDICV050	VN084577.D	30 Oct 2024 15:06	JC\MD	Ok,M
10	BFB	VN084578.D	30 Oct 2024 19:24	JC\MD	Ok
11	VSTDCCC050	VN084579.D	30 Oct 2024 20:12	JC\MD	Ok,M
12	VN1030MBL01	VN084580.D	30 Oct 2024 20:48	JC\MD	Ok
13	VN1030WBL01	VN084581.D	30 Oct 2024 21:12	JC\MD	Ok
14	VN1030WBS01	VN084582.D	30 Oct 2024 21:46	JC\MD	Ok,M
15	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10	JC\MD	Ok,M
16	P4594-04	VN084584.D	30 Oct 2024 22:34	JC\MD	Ok,M
17	P4594-08	VN084585.D	30 Oct 2024 22:58	JC\MD	Ok
18	P4594-12	VN084586.D	30 Oct 2024 23:22	JC\MD	Ok
19	P4594-16	VN084587.D	30 Oct 2024 23:46	JC\MD	Ok
20	P4594-20	VN084588.D	31 Oct 2024 00:09	JC\MD	Ok
21	P4597-03	VN084589.D	31 Oct 2024 00:34	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM				
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM				
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4597-06	VN084590.D	31 Oct 2024 00:57	JC\MD	Ok,M
23	P4597-09	VN084591.D	31 Oct 2024 01:21	JC\MD	Ok
24	P4597-12	VN084592.D	31 Oct 2024 01:45	JC\MD	Ok,M
25	P4598-04	VN084593.D	31 Oct 2024 02:09	JC\MD	Ok
26	P4598-08	VN084594.D	31 Oct 2024 02:33	JC\MD	Ok
27	P4598-12	VN084595.D	31 Oct 2024 02:57	JC\MD	Ok
28	P4611-03	VN084596.D	31 Oct 2024 03:21	JC\MD	Ok
29	P4611-06	VN084597.D	31 Oct 2024 03:45	JC\MD	Ok
30	P4611-09	VN084598.D	31 Oct 2024 04:09	JC\MD	Ok
31	P4611-12	VN084599.D	31 Oct 2024 04:33	JC\MD	Ok
32	P4611-15	VN084600.D	31 Oct 2024 04:57	JC\MD	Ok
33	P4611-18	VN084601.D	31 Oct 2024 05:21	JC\MD	Ok
34	P4612-04	VN084602.D	31 Oct 2024 05:45	JC\MD	Ok
35	P4613-02	VN084603.D	31 Oct 2024 06:09	JC\MD	Ok
36	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	JC\MD	Ok,M
37	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	JC\MD	Ok,M
38	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	JC\MD	Ok,M
39	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	JC\MD	Ok
40	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	JC\MD	Ok,M
41	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	JC\MD	Ok,M
42	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	JC\MD	Ok,M
43	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	JC\MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN084814.D	13 Nov 2024 08:53	JC\MD	Ok
2	VSTDCCC050	VN084815.D	13 Nov 2024 09:52	JC\MD	Ok,M
3	VN1113MBL01	VN084816.D	13 Nov 2024 10:26	JC\MD	Not Ok
4	VN1113WBL01	VN084817.D	13 Nov 2024 10:50	JC\MD	Ok
5	VN1113MBL02	VN084818.D	13 Nov 2024 11:13	JC\MD	Ok
6	VN1113MBS01	VN084819.D	13 Nov 2024 11:37	JC\MD	Ok,M
7	P4793-01	VN084820.D	13 Nov 2024 12:01	JC\MD	Dilution
8	P4793-01DL	VN084821.D	13 Nov 2024 13:00	JC\MD	Ok
9	VN1113WBS01	VN084822.D	13 Nov 2024 13:24	JC\MD	Ok,M
10	VN1113WBSD01	VN084823.D	13 Nov 2024 14:00	JC\MD	Ok,M
11	P4722-05	VN084824.D	13 Nov 2024 14:24	JC\MD	Ok
12	P4722-10	VN084825.D	13 Nov 2024 14:48	JC\MD	Ok
13	P4722-15	VN084826.D	13 Nov 2024 15:12	JC\MD	Ok
14	P4780-01	VN084827.D	13 Nov 2024 15:35	JC\MD	Ok
15	P4739-11DL	VN084828.D	13 Nov 2024 15:59	JC\MD	Ok
16	IBLK	VN084829.D	13 Nov 2024 16:23	JC\MD	Ok
17	P4770-04	VN084830.D	13 Nov 2024 16:47	JC\MD	Ok
18	P4780-04	VN084831.D	13 Nov 2024 17:11	JC\MD	Ok
19	P4770-05	VN084832.D	13 Nov 2024 17:35	JC\MD	Ok
20	P4780-02	VN084833.D	13 Nov 2024 18:00	JC\MD	Ok
21	P4780-03	VN084834.D	13 Nov 2024 18:23	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P4791-02	VN084835.D	13 Nov 2024 18:47	JC\MD	Ok
23	P4792-04	VN084836.D	13 Nov 2024 19:11	JC\MD	Ok
24	P4799-17	VN084837.D	13 Nov 2024 19:35	JC\MD	Ok
25	P4732-05	VN084838.D	13 Nov 2024 19:59	JC\MD	Ok
26	P4792-02	VN084839.D	13 Nov 2024 20:23	JC\MD	Ok
27	VSTDCCC050	VN084840.D	13 Nov 2024 20:47	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084569.D	30 Oct 2024 10:42		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN084570.D	30 Oct 2024 11:46	Comp #03 fail for %D	JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN084571.D	30 Oct 2024 12:09	LR-03,06,16,18,43	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN084572.D	30 Oct 2024 12:33	QR-88	JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN084573.D	30 Oct 2024 12:57		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN084574.D	30 Oct 2024 13:21		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN084575.D	30 Oct 2024 13:45		JC\MD	Ok,M
8	VIBLK	VIBLK	VN084576.D	30 Oct 2024 14:42		JC\MD	Ok
9	VSTDICV050	ICVVN103024	VN084577.D	30 Oct 2024 15:06		JC\MD	Ok,M
10	BFB	BFB	VN084578.D	30 Oct 2024 19:24		JC\MD	Ok
11	VSTDCCC050	VSTDCCC050	VN084579.D	30 Oct 2024 20:12		JC\MD	Ok,M
12	VN1030MBL01	VN1030MBL01	VN084580.D	30 Oct 2024 20:48		JC\MD	Ok
13	VN1030WBL01	VN1030WBL01	VN084581.D	30 Oct 2024 21:12		JC\MD	Ok
14	VN1030WBS01	VN1030WBS01	VN084582.D	30 Oct 2024 21:46		JC\MD	Ok,M
15	VN1030WBSD01	VN1030WBSD01	VN084583.D	30 Oct 2024 22:10		JC\MD	Ok,M
16	P4594-04	TP-4	VN084584.D	30 Oct 2024 22:34	pH#5.0 A	JC\MD	Ok,M
17	P4594-08	BP-F17	VN084585.D	30 Oct 2024 22:58	pH#5.0 A	JC\MD	Ok
18	P4594-12	BP-F16	VN084586.D	30 Oct 2024 23:22	pH#5.0 A	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4594-16	TP-5	VN084587.D	30 Oct 2024 23:46	pH#7.0 A	JC\MD	Ok
20	P4594-20	BP-F15	VN084588.D	31 Oct 2024 00:09	pH#6.0 A	JC\MD	Ok
21	P4597-03	RED-1-1	VN084589.D	31 Oct 2024 00:34	pH#6.0 A	JC\MD	Ok
22	P4597-06	RED-1-2	VN084590.D	31 Oct 2024 00:57	pH#5.0 A	JC\MD	Ok,M
23	P4597-09	BLUE-2-1	VN084591.D	31 Oct 2024 01:21	pH#5.0 A	JC\MD	Ok
24	P4597-12	BLUE-2-2	VN084592.D	31 Oct 2024 01:45	pH#5.0 A	JC\MD	Ok,M
25	P4598-04	BP-F12	VN084593.D	31 Oct 2024 02:09	pH#7.0 A	JC\MD	Ok
26	P4598-08	BP-F11	VN084594.D	31 Oct 2024 02:33	pH#7.0 A	JC\MD	Ok
27	P4598-12	TP-8	VN084595.D	31 Oct 2024 02:57	pH#6.0 A	JC\MD	Ok
28	P4611-03	TP-1	VN084596.D	31 Oct 2024 03:21	pH#5.0 A	JC\MD	Ok
29	P4611-06	TP-2	VN084597.D	31 Oct 2024 03:45	pH#5.0 A	JC\MD	Ok
30	P4611-09	TP-3	VN084598.D	31 Oct 2024 04:09	pH#5.0 A	JC\MD	Ok
31	P4611-12	TP-4	VN084599.D	31 Oct 2024 04:33	pH#5.0 A	JC\MD	Ok
32	P4611-15	TP-5	VN084600.D	31 Oct 2024 04:57	pH#5.0 A	JC\MD	Ok
33	P4611-18	TP-6	VN084601.D	31 Oct 2024 05:21	pH#5.0 A	JC\MD	Ok
34	P4612-04	MOO-24-00335	VN084602.D	31 Oct 2024 05:45	pH#5.0 A	JC\MD	Ok
35	P4613-02	ARS20-0001	VN084603.D	31 Oct 2024 06:09	pH#5.0 A	JC\MD	Ok
36	PB164501ZHE#13	PB164501ZHE#13	VN084604.D	31 Oct 2024 06:33	pH#5.0 A	JC\MD	Ok,M
37	PB164501ZHE#14	PB164501ZHE#14	VN084605.D	31 Oct 2024 06:57	pH#5.0 A	JC\MD	Ok,M

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN103024

Review By	Semsettin Yesilyurt	Review On	11/1/2024 2:56:11 PM		
Supervise By	Mahesh Dadoda	Supervise On	11/4/2024 1:18:30 AM		
SubDirectory	VN103024	HP Acquire Method	MSVOA_N	HP Processing Method	82n103024w.m

STD. NAME	STD REF.#
Tune/Reschk	VP131194.VP131195
Initial Calibration Stds	VP131185,VP131186,VP131187,VP131188,VP131189,VP131190
CCC	VP131191,VP131192
Internal Standard/PEM	VP128298
ICV/I.BLK	VP131193
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	PB164501ZHE#15	PB164501ZHE#15	VN084606.D	31 Oct 2024 07:22	pH#5.0 A	JC\MD	Ok,M
39	PB164501ZHE#16	PB164501ZHE#16	VN084607.D	31 Oct 2024 07:46	pH#5.0 A	JC\MD	Ok
40	PB164501ZHE#17	PB164501ZHE#17	VN084608.D	31 Oct 2024 08:10	pH#5.0 A	JC\MD	Ok,M
41	PB164501ZHE#18	PB164501ZHE#18	VN084609.D	31 Oct 2024 08:34	pH#5.0 A	JC\MD	Ok,M
42	PB164501ZHE#19	PB164501ZHE#19	VN084610.D	31 Oct 2024 08:58	pH#5.0 A	JC\MD	Ok,M
43	PB164501ZHE#20	PB164501ZHE#20	VN084611.D	31 Oct 2024 09:22	pH#5.0 A	JC\MD	Ok

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN084814.D	13 Nov 2024 08:53		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN084815.D	13 Nov 2024 09:52		JC\MD	Ok,M
3	VN1113MBL01	VN1113MBL01	VN084816.D	13 Nov 2024 10:26	Contaminated	JC\MD	Not Ok
4	VN1113WBL01	VN1113WBL01	VN084817.D	13 Nov 2024 10:50		JC\MD	Ok
5	VN1113MBL02	VN1113MBL02	VN084818.D	13 Nov 2024 11:13		JC\MD	Ok
6	VN1113MBS01	VN1113MBS01	VN084819.D	13 Nov 2024 11:37	BS failed low for comp. #93	JC\MD	Ok,M
7	P4793-01	M00-24-00345	VN084820.D	13 Nov 2024 12:01	Need 5X	JC\MD	Dilution
8	P4793-01DL	M00-24-00345DL	VN084821.D	13 Nov 2024 13:00		JC\MD	Ok
9	VN1113WBS01	VN1113WBS01	VN084822.D	13 Nov 2024 13:24		JC\MD	Ok,M
10	VN1113WBSD01	VN1113WBSD01	VN084823.D	13 Nov 2024 14:00		JC\MD	Ok,M
11	P4722-05	WC-1(0-6)	VN084824.D	13 Nov 2024 14:24	vial B pH#6.0	JC\MD	Ok
12	P4722-10	WC-2(0-6)	VN084825.D	13 Nov 2024 14:48	vial B pH#6.0	JC\MD	Ok
13	P4722-15	WC-3(0-6)	VN084826.D	13 Nov 2024 15:12	vial B pH#6.0	JC\MD	Ok
14	P4780-01	Storage-Blank-SOIL-RE	VN084827.D	13 Nov 2024 15:35	vial B pH<2	JC\MD	Ok
15	P4739-11DL	BP-B2-VOCDL	VN084828.D	13 Nov 2024 15:59		JC\MD	Ok
16	IBLK	IBLK	VN084829.D	13 Nov 2024 16:23		JC\MD	Ok
17	P4770-04	FIELD-BLANK	VN084830.D	13 Nov 2024 16:47	vial A pH<2 FB	JC\MD	Ok
18	P4780-04	Storage-Blank-SAMPLE	VN084831.D	13 Nov 2024 17:11	vial B pH<2	JC\MD	Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN111324

Review By	John Carlone	Review On	11/14/2024 9:44:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/14/2024 3:18:46 PM		
SubDirectory	VN111324	HP Acquire Method		HP Processing Method	82N103024W.M

STD. NAME	STD REF.#
Tune/Reschk	VP131432
Initial Calibration Stds	
CCC	VP131433,VP131434
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P4770-05	TRIP-BLANK	VN084832.D	13 Nov 2024 17:35	vial A pH<2 TB	JC\MD	Ok
20	P4780-02	Storage-Blank-WATER-	VN084833.D	13 Nov 2024 18:00	vial B pH<2	JC\MD	Ok
21	P4780-03	Storage-Blank-WATER-	VN084834.D	13 Nov 2024 18:23	vial B pH<2	JC\MD	Ok
22	P4791-02	HINCHMAN-OILY-WAT	VN084835.D	13 Nov 2024 18:47	vial B pH<2	JC\MD	Ok
23	P4792-04	MANHOLE-WASTE-DR	VN084836.D	13 Nov 2024 19:11	vial B pH<2	JC\MD	Ok
24	P4799-17	WC-TA1-03-G	VN084837.D	13 Nov 2024 19:35	vial B pH#5.0	JC\MD	Ok
25	P4732-05	PPE-GRAB	VN084838.D	13 Nov 2024 19:59	vial B pH#5.0	JC\MD	Ok
26	P4792-02	DIESLE-DRUM	VN084839.D	13 Nov 2024 20:23		JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN084840.D	13 Nov 2024 20:47		JC\MD	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/11/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 11/08/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/09/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133361

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4716-01	A0BE3	1	1.15	8.83	9.98	8.14	79.2	
P4716-02	A0BE4	2	1.15	8.41	9.56	8.06	82.2	
P4716-03	A0BE5	3	1.17	8.62	9.79	6.03	56.4	
P4716-04	A0BE5MS	4	1.17	8.62	9.79	6.03	56.4	
P4716-05	A0BE5MSD	5	1.17	8.62	9.79	6.03	56.4	
P4771-05	P-1	6	1.12	8.74	9.86	9.37	94.4	
P4771-07	P-2	7	1.12	8.70	9.82	9.41	95.3	
P4779-01	SOIL-01	8	1.16	8.45	9.61	9.34	96.8	
P4780-05	SVOC-GPC-BLANK	9	1.00	1.00	2.00	2.00	100.0	
P4780-06	PEST-GPC-BLANK	10	1.00	1.00	2.00	2.00	100.0	
P4780-07	PEST-GPC-BLANK-SPIKE	11	1.00	1.00	2.00	2.00	100.0	
P4780-08	PCB-GPC-BLANK	12	1.00	1.00	2.00	2.00	100.0	
P4780-09	PCB-GPC-BLANK-SPIKE	13	1.00	1.00	2.00	2.00	100.0	
P4780-10	SVOC-GPC2-BLANK	14	1.00	1.00	2.00	2.00	100.0	
P4780-11	PEST-GPC2-BLANK	15	1.00	1.00	2.00	2.00	100.0	
P4780-12	PEST-GPC2-BLANK-SPIKE	16	1.00	1.00	2.00	2.00	100.0	
P4780-13	PCB-GPC2-BLANK	17	1.00	1.00	2.00	2.00	100.0	
P4780-14	PCB-GPC2-BLANK-SPIKE	18	1.00	1.00	2.00	2.00	100.0	
P4788-01	BP-G3	19	1.15	8.82	9.97	9.18	91.0	
P4788-02	BP-G3-EPH	20	1.13	8.68	9.81	8.85	88.9	
P4788-03	BP-G3-VOC	21	1.18	8.49	9.67	8.76	89.3	
P4789-01	BP-F21	22	1.13	8.76	9.89	8.98	89.6	
P4789-02	BP-F21-EPH	23	1.17	8.58	9.75	8.74	88.2	
P4789-03	BP-F21-VOC	24	1.17	8.58	9.75	8.74	88.2	
P4791-01	ARS20-0016	25	1.00	1.00	2.00	2.00	100.0	debris
P4792-02	DIESLE-DRUM	26	1.00	1.00	2.00	2.00	100.0	debris
P4792-03	OILY-STONE-DRUM	27	1.00	1.00	2.00	2.00	100.0	oily stone - drum
P4793-01	M00-24-00345	28	1.00	1.00	2.00	2.00	100.0	debris

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 11/11/2024

OVENTEMP IN Celsius(°C): 107
Time IN: 16:40
In Date: 11/08/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 11/09/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB133361

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P4794-01	KZA443F-END-1-1	29	1.00	1.00	2.00	2.00	100.0	pilc
P4794-02	KZA443F-END-1-2	30	1.00	1.00	2.00	2.00	100.0	pilc
P4795-01	LAW-23-00189	31	1.14	8.59	9.73	9.06	92.2	
P4796-01	TP-1	32	1.18	8.60	9.78	9.34	94.9	
P4796-02	TP-1	33	1.16	8.49	9.65	9.25	95.3	
P4796-03	TP-2	34	1.13	8.70	9.83	9.47	95.9	
P4796-04	TP-2	35	1.19	8.62	9.81	9.44	95.7	
P4796-05	TP-3	36	1.15	8.80	9.95	9.47	94.5	
P4796-06	TP-3	37	1.16	8.56	9.72	9.3	95.1	
P4796-07	TP-4	38	1.17	8.57	9.74	9.43	96.4	
P4796-08	TP-4	39	1.15	8.82	9.97	9.7	96.9	
P4798-01	MH-6	40	1.14	8.81	9.95	9.00	89.2	
P4798-02	MH-6-EPH	41	1.13	8.74	9.87	8.82	88.0	
P4798-03	MH-6-VOC	42	1.16	8.50	9.66	8.66	88.2	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB 133361

WorkList Name : %1-110824 **WorkList ID :** 185235 **Department :** Wet-Chemistry **Date :** 11-08-2024 07:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4716-01	A0BE3	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	10/31/2024	Chemtech -SO
P4716-02	A0BE4	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	10/31/2024	Chemtech -SO
P4716-03	A0BE5	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/01/2024	Chemtech -SO
P4716-04	A0BE5MS	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/01/2024	Chemtech -SO
P4716-05	A0BE5MSD	Solid	Percent Solids	Cool 4 deg C	USEP04	Q11	11/01/2024	Chemtech -SO
P4771-05	P-1	Solid	Percent Solids	Cool 4 deg C	M2AS01	L32	11/07/2024	Chemtech -SO
P4771-07	P-2	Solid	Percent Solids	Cool 4 deg C	M2AS01	L32	11/07/2024	Chemtech -SO
P4779-01	SOIL-01	Solid	Percent Solids	Cool 4 deg C	CLOU03	L31	11/07/2024	Chemtech -SO
P4780-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/08/2024	Chemtech -SO
P4780-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/08/2024	Chemtech -SO
P4780-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/08/2024	Chemtech -SO
P4780-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/08/2024	Chemtech -SO
P4780-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/08/2024	Chemtech -SO
P4780-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/08/2024	Chemtech -SO
P4780-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/08/2024	Chemtech -SO
P4780-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/08/2024	Chemtech -SO
P4780-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/08/2024	Chemtech -SO
P4780-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	L11	11/08/2024	Chemtech -SO
P4788-01	BP-G3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/08/2024	Chemtech -SO
P4788-02	BP-G3-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/08/2024	Chemtech -SO
P4788-03	BP-G3-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/08/2024	Chemtech -SO

Date/Time 11/08/24 15:30

Raw Sample Received by: [illegible]

Raw Sample Relinquished by: RJ CERT-Lab

Date/Time 11/08/24 17:00

Raw Sample Received by: RJ CERT-Lab

Raw Sample Relinquished by: [illegible]

WORKLIST(Hardcopy Internal Chain)

133361

WorkList Name : %1-110824 **WorkList ID :** 185235 **Department :** Wet-Chemistry **Date :** 11-08-2024 07:56:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P4789-01	BP-F21	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/08/2024	Chemtech -SO
P4789-02	BP-F21-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/08/2024	Chemtech -SO
P4789-03	BP-F21-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/08/2024	Chemtech -SO
P4791-01	ARS20-0016	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	11/08/2024	Chemtech -SO
P4792-02	DIESLE-DRUM	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/08/2024	Chemtech -SO
P4792-03	OILY-STONE-DRUM	Solid	Percent Solids	Cool 4 deg C	PSEG03	L21	11/08/2024	Chemtech -SO
P4793-01	M00-24-00345	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4794-01	KZA443F-END-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4794-02	KZA443F-END-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4795-01	LAW-23-00189	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4796-01	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4796-02	TP-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4796-03	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4796-04	TP-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4796-05	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4796-06	TP-3	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4796-07	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4796-08	TP-4	Solid	Percent Solids	Cool 4 deg C	PSEG03	L23	11/08/2024	Chemtech -SO
P4798-01	MH-6	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4798-02	MH-6-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO
P4798-03	MH-6-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	L31	11/08/2024	Chemtech -SO

Date/Time 11/08/24 15:30

Raw Sample Received by: [signature]

Raw Sample Relinquished by: RJ (Ext-Lab)

Date/Time 11/08/24 17:08

Raw Sample Received by: RJ (Ext-Lab)

Raw Sample Relinquished by: [signature]

SHIPPING DOCUMENTS

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488