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

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LAB CHRONICLE

OrderID:	P5369	**OrderDate:**	12/20/2024 10:52:00 AM
Client:	Chemtech Consulting Group	**Project:**	Weekly Storage Blanks
Contact:	QA Officer	**Location:**	N22,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5369-01	**STORAGE-BLANK-SOIL-REF-6**	**Water**			**12/13/24**			**12/20/24**
			VOC- Chemtech Full	8260-Low			12/30/24	
P5369-02	**STORAGE-BLANK-SOIL-REF-5**	**Water**			**12/13/24**			**12/20/24**
			VOC- Chemtech Full	8260-Low			12/30/24	
P5369-03	**STORAGE-BLANK-SOIL-REF-4**	**Water**			**12/13/24**			**12/20/24**
			VOC- Chemtech Full	8260-Low			12/30/24	
P5369-04	**STORAGE-BLANK-SAMPLE-MANAGEMENT**	**Water**			**12/13/24**			**12/20/24**
			VOC- Chemtech Full	8260-Low			12/30/24	

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Hit Summary Sheet
SW-846

SDG No.: P5369

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,
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Surrogate Summary

SDG No.: P5369

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P5369-01	STORAGE-BLANK-SOIL-REF-6	1,2-Dichloroethane-d4	50	58.6	117	74	125
		Dibromofluoromethane	50	54.7	109	75	124
		Toluene-d8	50	52.3	105	86	113
		4-Bromofluorobenzene	50	43.2	86	77	121
P5369-02	STORAGE-BLANK-SOIL-REF-5	1,2-Dichloroethane-d4	50	59.5	119	74	125
		Dibromofluoromethane	50	55.3	111	75	124
		Toluene-d8	50	52.5	105	86	113
		4-Bromofluorobenzene	50	46.7	93	77	121
P5369-03	STORAGE-BLANK-SOIL-REF-4	1,2-Dichloroethane-d4	50	58.8	118	74	125
		Dibromofluoromethane	50	54.2	108	75	124
		Toluene-d8	50	52.8	106	86	113
		4-Bromofluorobenzene	50	46.0	92	77	121
P5369-04	STORAGE-BLANK-SAMPLE-MANAC	1,2-Dichloroethane-d4	50	60.1	120	74	125
		Dibromofluoromethane	50	55.5	111	75	124
		Toluene-d8	50	52.9	106	86	113
		4-Bromofluorobenzene	50	45.7	91	77	121
VN1230WBL01	VN1230WBL01	1,2-Dichloroethane-d4	50	57.3	115	74	125
		Dibromofluoromethane	50	52.8	106	75	124
		Toluene-d8	50	51.1	102	86	113
		4-Bromofluorobenzene	50	46.5	93	77	121
VN1230WBS01	VN1230WBS01	1,2-Dichloroethane-d4	50	52.0	104	74	125
		Dibromofluoromethane	50	51.7	103	75	124
		Toluene-d8	50	50.7	101	86	113
		4-Bromofluorobenzene	50	51.5	103	77	121
VN1230WBSD0	VN1230WBSD01	1,2-Dichloroethane-d4	50	53.5	107	74	125
		Dibromofluoromethane	50	52.2	104	75	124
		Toluene-d8	50	51.0	102	86	113
		4-Bromofluorobenzene	50	52.1	104	77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5369

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN085342.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1230WBS01	Dichlorodifluoromethane	20	21.0	ug/L	105			69	116	
	Chloromethane	20	18.0	ug/L	90			65	116	
	Vinyl chloride	20	17.8	ug/L	89			65	117	
	Ethyl Acetate	20	21.9	ug/L	110			75	115	
	Bromomethane	20	16.4	ug/L	82			58	125	
	Chloroethane	20	18.5	ug/L	93			56	128	
	Trichlorofluoromethane	20	19.3	ug/L	97			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.3	ug/L	97			80	112	
	Tert butyl alcohol	100	120	ug/L	120			73	124	
	1,1-Dichloroethene	20	19.4	ug/L	97			74	110	
	Acrolein	100	110	ug/L	110			51	143	
	Acrylonitrile	100	120	ug/L	120		*	73	113	
	Acetone	100	120	ug/L	120			60	125	
	Carbon disulfide	20	17.8	ug/L	89			64	112	
	Methyl tert-butyl Ether	20	20.3	ug/L	102			78	114	
	Methyl Acetate	20	24.5	ug/L	123			67	125	
	Methylene Chloride	20	20.2	ug/L	101			72	114	
	trans-1,2-Dichloroethene	20	19.5	ug/L	98			75	108	
	Vinyl Acetate	100	110	ug/L	110			76	115	
	1,1-Dichloroethane	20	20.2	ug/L	101			78	112	
	Cyclohexane	20	18.6	ug/L	93			75	110	
	2-Butanone	100	120	ug/L	120			65	122	
	Carbon Tetrachloride	20	20.1	ug/L	101			77	113	
	2,2-Dichloropropane	20	19.8	ug/L	99			75	116	
	cis-1,2-Dichloroethene	20	19.8	ug/L	99			77	110	
	Bromochloromethane	20	19.9	ug/L	100			70	124	
	Chloroform	20	19.9	ug/L	100			79	113	
	1,1,1-Trichloroethane	20	19.4	ug/L	97			80	108	
	Methylcyclohexane	20	18.5	ug/L	93			72	115	
	1,1-Dichloropropene	20	19.4	ug/L	97			79	110	
	Benzene	20	20.5	ug/L	103			82	109	
	1,2-Dichloroethane	20	20.4	ug/L	102			80	115	
	Trichloroethene	20	18.7	ug/L	94			77	113	
	1,2-Dichloropropane	20	20.3	ug/L	102			83	111	
	Dibromomethane	20	20.0	ug/L	100			82	110	
	Bromodichloromethane	20	20.6	ug/L	103			83	110	
	4-Methyl-2-Pentanone	100	120	ug/L	120		*	74	118	
	Toluene	20	20.6	ug/L	103			82	110	
	t-1,3-Dichloropropene	20	20.0	ug/L	100			79	110	
	cis-1,3-Dichloropropene	20	20.6	ug/L	103			82	110	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			83	112	
	1,3-Dichloropropane	20	21.0	ug/L	105			83	111	
	2-Chloroethyl vinyl ether	100	98.7	ug/L	99			75	124	
	2-Hexanone	100	130	ug/L	130		*	73	117	
	Dibromochloromethane	20	21.3	ug/L	106			82	110	
	1,2-Dibromoethane	20	20.7	ug/L	104			81	110	
	Tetrachloroethene	20	19.6	ug/L	98			67	123	
	Chlorobenzene	20	19.2	ug/L	96			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5369

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN085342.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1230WBS01	1,1,1,2-Tetrachloroethane	20	20.3	ug/L	102			84	111	
	Hexachloroethane	20	20.4	ug/L	102			80	113	
	Ethyl Benzene	20	19.6	ug/L	98			83	109	
	m/p-Xylenes	40	41.2	ug/L	103			82	110	
	o-Xylene	20	20.0	ug/L	100			83	109	
	Styrene	20	20.9	ug/L	104			80	111	
	Bromoform	20	22.7	ug/L	114		*	79	109	
	Isopropylbenzene	20	19.6	ug/L	98			83	112	
	1,1,2,2-Tetrachloroethane	20	22.5	ug/L	113			76	118	
	1,2,3-Trichloropropane	20	22.3	ug/L	112			75	112	
	Bromobenzene	20	19.4	ug/L	97			77	116	
	N-propylbenzene	20	20.3	ug/L	102			83	112	
	2-Chlorotoluene	20	20.3	ug/L	102			83	110	
	1,3,5-Trimethylbenzene	20	20.5	ug/L	103			85	112	
	4-Chlorotoluene	20	20.0	ug/L	100			82	110	
	tert-Butylbenzene	20	19.1	ug/L	96			83	112	
	1,2,4-Trimethylbenzene	20	20.2	ug/L	101			85	111	
	Sec-butylbenzene	20	19.8	ug/L	99			81	114	
	p-Isopropyltoluene	20	18.6	ug/L	93			78	116	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			82	108	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			82	107	
	n-Butylbenzene	20	18.1	ug/L	91			75	115	
	1,2-Dichlorobenzene	20	19.5	ug/L	98			82	109	
	1,2-Dibromo-3-Chloropropane	20	23.5	ug/L	117		*	68	112	
	1,2,4-Trichlorobenzene	20	17.8	ug/L	89			75	113	
	Hexachlorobutadiene	20	17.4	ug/L	87			81	121	
	Naphthalene	20	17.4	ug/L	87			78	119	
	1,2,3-Trichlorobenzene	20	17.7	ug/L	89			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5369

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN085343.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1230WBSD01	Dichlorodifluoromethane	20	20.3	ug/L	102	3		69	116	20
	Chloromethane	20	18.2	ug/L	91	1		65	116	20
	Vinyl chloride	20	17.2	ug/L	86	3		65	117	20
	Ethyl Acetate	20	23.2	ug/L	116	5	*	75	115	20
	Bromomethane	20	16.6	ug/L	83	1		58	125	20
	Chloroethane	20	18.0	ug/L	90	3		56	128	20
	Trichlorofluoromethane	20	19.0	ug/L	95	2		73	115	20
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98	1		80	112	20
	Tert butyl alcohol	100	140	ug/L	140	15	*	73	124	20
	1,1-Dichloroethene	20	18.6	ug/L	93	4		74	110	20
	Acrolein	100	120	ug/L	120	9		51	143	20
	Acrylonitrile	100	120	ug/L	120	0	*	73	113	20
	Acetone	100	130	ug/L	130	8	*	60	125	20
	Carbon disulfide	20	17.7	ug/L	89	0		64	112	20
	Methyl tert-butyl Ether	20	20.9	ug/L	104	2		78	114	20
	Methyl Acetate	20	25.3	ug/L	127	3	*	67	125	20
	Methylene Chloride	20	20.7	ug/L	104	3		72	114	20
	trans-1,2-Dichloroethene	20	18.7	ug/L	94	4		75	108	20
	Vinyl Acetate	100	110	ug/L	110	0		76	115	20
	1,1-Dichloroethane	20	19.7	ug/L	99	2		78	112	20
	Cyclohexane	20	18.1	ug/L	91	2		75	110	20
	2-Butanone	100	130	ug/L	130	8	*	65	122	20
	Carbon Tetrachloride	20	19.6	ug/L	98	3		77	113	20
	2,2-Dichloropropane	20	18.8	ug/L	94	5		75	116	20
	cis-1,2-Dichloroethene	20	19.7	ug/L	99	0		77	110	20
	Bromochloromethane	20	20.8	ug/L	104	4		70	124	20
	Chloroform	20	20.0	ug/L	100	0		79	113	20
	1,1,1-Trichloroethane	20	19.2	ug/L	96	1		80	108	20
	Methylcyclohexane	20	18.5	ug/L	93	0		72	115	20
	1,1-Dichloropropene	20	18.9	ug/L	95	2		79	110	20
	Benzene	20	20.4	ug/L	102	1		82	109	20
	1,2-Dichloroethane	20	20.7	ug/L	104	2		80	115	20
	Trichloroethene	20	19.1	ug/L	96	2		77	113	20
	1,2-Dichloropropane	20	20.4	ug/L	102	0		83	111	20
	Dibromomethane	20	21.6	ug/L	108	8		82	110	20
	Bromodichloromethane	20	20.8	ug/L	104	1		83	110	20
	4-Methyl-2-Pentanone	100	130	ug/L	130	8	*	74	118	20
	Toluene	20	20.3	ug/L	102	1		82	110	20
	t-1,3-Dichloropropene	20	20.5	ug/L	103	3		79	110	20
	cis-1,3-Dichloropropene	20	20.6	ug/L	103	0		82	110	20
	1,1,2-Trichloroethane	20	21.7	ug/L	109	7		83	112	20
	1,3-Dichloropropane	20	21.8	ug/L	109	4		83	111	20
	2-Chloroethyl vinyl ether	100	100	ug/L	100	1		75	124	20
	2-Hexanone	100	140	ug/L	140	7	*	73	117	20
	Dibromochloromethane	20	22.1	ug/L	111	5	*	82	110	20
	1,2-Dibromoethane	20	21.8	ug/L	109	5		81	110	20
	Tetrachloroethene	20	19.8	ug/L	99	1		67	123	20
	Chlorobenzene	20	19.3	ug/L	97	1		82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5369

Client: Chemtech Consulting Group

Analytical Method: SW8260-Low **Datafile :** VN085343.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1230WBSD01	1,1,1,2-Tetrachloroethane	20	20.7	ug/L	104	2		84	111	20
	Hexachloroethane	20	20.2	ug/L	101	1		80	113	20
	Ethyl Benzene	20	19.6	ug/L	98	0		83	109	20
	m/p-Xylenes	40	40.9	ug/L	102	1		82	110	20
	o-Xylene	20	19.6	ug/L	98	2		83	109	20
	Styrene	20	21.1	ug/L	106	2		80	111	20
	Bromoform	20	22.8	ug/L	114	0	*	79	109	20
	Isopropylbenzene	20	19.5	ug/L	98	0		83	112	20
	1,1,2,2-Tetrachloroethane	20	22.2	ug/L	111	2		76	118	20
	1,2,3-Trichloropropane	20	22.6	ug/L	113	1	*	75	112	20
	Bromobenzene	20	19.5	ug/L	98	1		77	116	20
	N-propylbenzene	20	20.2	ug/L	101	1		83	112	20
	2-Chlorotoluene	20	19.8	ug/L	99	3		83	110	20
	1,3,5-Trimethylbenzene	20	20.3	ug/L	102	1		85	112	20
	4-Chlorotoluene	20	20.1	ug/L	101	1		82	110	20
	tert-Butylbenzene	20	18.8	ug/L	94	2		83	112	20
	1,2,4-Trimethylbenzene	20	20.3	ug/L	102	1		85	111	20
	Sec-butylbenzene	20	19.5	ug/L	98	1		81	114	20
	p-Isopropyltoluene	20	18.7	ug/L	94	1		78	116	20
	1,3-Dichlorobenzene	20	19.6	ug/L	98	2		82	108	20
	1,4-Dichlorobenzene	20	19.2	ug/L	96	3		82	107	20
	n-Butylbenzene	20	18.0	ug/L	90	1		75	115	20
	1,2-Dichlorobenzene	20	20.0	ug/L	100	2		82	109	20
	1,2-Dibromo-3-Chloropropane	20	24.5	ug/L	123	5	*	68	112	20
	1,2,4-Trichlorobenzene	20	18.4	ug/L	92	3		75	113	20
	Hexachlorobutadiene	20	18.0	ug/L	90	3		81	121	20
	Naphthalene	20	18.2	ug/L	91	4		78	119	20
	1,2,3-Trichlorobenzene	20	18.8	ug/L	94	5		76	114	20

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN1230WBL01

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5369 SAS No.: P5369 SDG NO.: P5369

Lab File ID: VN085341.D Lab Sample ID: VN1230WBL01

Date Analyzed: 12/30/2024 Time Analyzed: 13:26

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
VN1230WBS01	VN1230WBS01	VN085342.D	12/30/2024
VN1230WBSD01	VN1230WBSD01	VN085343.D	12/30/2024
STORAGE-BLANK-SOIL-REF-6	P5369-01	VN085345.D	12/30/2024
STORAGE-BLANK-SOIL-REF-5	P5369-02	VN085346.D	12/30/2024
STORAGE-BLANK-SOIL-REF-4	P5369-03	VN085347.D	12/30/2024
STORAGE-BLANK-SAMPLE-MANAGEMENT	P5369-04	VN085348.D	12/30/2024

COMMENTS:

Raw Data: **VN085320.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5369 SAS No.: P5369 SDG NO.: P5369

Lab File ID: VN085320.D BFB Injection Date: 12/27/2024

Instrument ID: MSVOA_N BFB Injection Time: 09:52

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	22.4
75	30.0 - 60.0% of mass 95	58
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.8 (7.9) 1
176	95.0 - 101.0% of mass 174	73.2 (99) 1
177	5.0 - 9.0% of mass 176	4.8 (6.5) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC100	VSTDICC100	VN085321.D	12/27/2024	10:26
VSTDICCC050	VSTDICCC050	VN085322.D	12/27/2024	10:50
VSTDICC020	VSTDICC020	VN085323.D	12/27/2024	11:13
VSTDICC010	VSTDICC010	VN085324.D	12/27/2024	11:37
VSTDICC005	VSTDICC005	VN085325.D	12/27/2024	12:01
VSTDICC001	VSTDICC001	VN085326.D	12/27/2024	12:48

Raw Data: **VN085338.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5369 SAS No.: P5369 SDG NO.: P5369

Lab File ID: VN085338.D BFB Injection Date: 12/30/2024

Instrument ID: MSVOA_N BFB Injection Time: 10:39

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	22.5
75	30.0 - 60.0% of mass 95	57.9
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	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	75.9
175	5.0 - 9.0% of mass 174	6 (7.9) 1
176	95.0 - 101.0% of mass 174	72.2 (95) 1
177	5.0 - 9.0% of mass 176	4.4 (6.1) 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	VN085339.D	12/30/2024	12:27
VN1230WBL01	VN1230WBL01	VN085341.D	12/30/2024	13:26
VN1230WBS01	VN1230WBS01	VN085342.D	12/30/2024	13:50
VN1230WBSD01	VN1230WBSD01	VN085343.D	12/30/2024	14:25
STORAGE-BLANK-SOIL-REF-6	P5369-01	VN085345.D	12/30/2024	15:14
STORAGE-BLANK-SOIL-REF-5	P5369-02	VN085346.D	12/30/2024	15:38
STORAGE-BLANK-SOIL-REF-4	P5369-03	VN085347.D	12/30/2024	16:02
STORAGE-BLANK-SAMPLE-MANAGEMENT	P5369-04	VN085348.D	12/30/2024	16:26

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.: P5369 SAS No.: P5369 SDG NO.: P5369

Lab File ID: VN085339.D Date Analyzed: 12/30/2024

Instrument ID: MSVOA_N Time Analyzed: 12:27

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	166322	8.22	293676	9.10	265343	11.87
UPPER LIMIT	332644	8.724	587352	9.6	530686	12.365
LOWER LIMIT	83161	7.724	146838	8.6	132672	11.365
EPA SAMPLE NO.						
STORAGE-BLANK-SOIL-REF-6	140109	8.22	261844	9.10	215685	11.87
STORAGE-BLANK-SOIL-REF-5	139007	8.22	264717	9.10	226400	11.87
STORAGE-BLANK-SOIL-REF-4	147922	8.22	276580	9.10	233922	11.87
STORAGE-BLANK-SAMPLE-MANAGEMEN	135285	8.22	255124	9.10	215313	11.87
VN1230WBL01	161031	8.22	303169	9.10	251914	11.87
VN1230WBS01	172604	8.22	306320	9.10	265813	11.87
VN1230WBSD01	164383	8.22	292155	9.10	254855	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.

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5369 SAS No.: P5369 SDG NO.: P5369

Lab File ID: VN085339.D Date Analyzed: 12/30/2024

Instrument ID: MSVOA_N Time Analyzed: 12:27

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

	IS4 AREA #	RT #				
12 HOUR STD	129301	13.788				
UPPER LIMIT	258602	14.288				
LOWER LIMIT	64650.5	13.288				
EPA SAMPLE NO.						
STORAGE-BLANK-SOIL-REF-6	74220	13.79				
STORAGE-BLANK-SOIL-REF-5	86105	13.79				
STORAGE-BLANK-SOIL-REF-4	86818	13.79				
STORAGE-BLANK-SAMPLE-MANAGEME	83413	13.79				
VN1230WBL01	97891	13.79				
VN1230WBS01	121453	13.79				
VN1230WBSD01	117451	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: **VN085345.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-6	SDG No.:	P5369
Lab Sample ID:	P5369-01	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
VN085345.D	1		12/30/24 15:14	VN123024

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	UQ	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	UQ	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	UQ	0.90	5.00	ug/L
67-64-1	Acetone	1.40	UQ	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	UQ	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	UQ	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: **VN085345.D**

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

Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-6	SDG No.:	P5369
Lab Sample ID:	P5369-01	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
VN085345.D	1		12/30/24 15:14	VN123024

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	UQ	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	UQ	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	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	UQ	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	UQ	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: **VN085345.D**

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Chemtech Consulting Group	Date Collected:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-6	SDG No.:	P5369
Lab Sample ID:	P5369-01	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
VN085345.D	1		12/30/24 15:14	VN123024

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	UQ	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	58.6		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	52.3		86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.2		77 - 121	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	8.224			
540-36-3	1,4-Difluorobenzene	262000	9.1			
3114-55-4	Chlorobenzene-d5	216000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	74200	13.788			

Raw Data: **VN085345.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-6	SDG No.:	P5369
Lab Sample ID:	P5369-01	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
VN085345.D	1		12/30/24 15:14	VN123024

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\VN123024\
Data File : VN085345.D
Acq On : 30 Dec 2024 15:14
Operator : JC\MD
Sample : P5369-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Quant Time: Dec 31 02:14:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	140109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261844	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215685	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	74220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	117042	58.569	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.140%			
35) Dibromofluoromethane	8.165	113	89401	54.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 109.460%			
50) Toluene-d8	10.565	98	313733	52.338	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.680%			
62) 4-Bromofluorobenzene	12.847	95	86073	43.236	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 86.480%			
Target Compounds						Qvalue

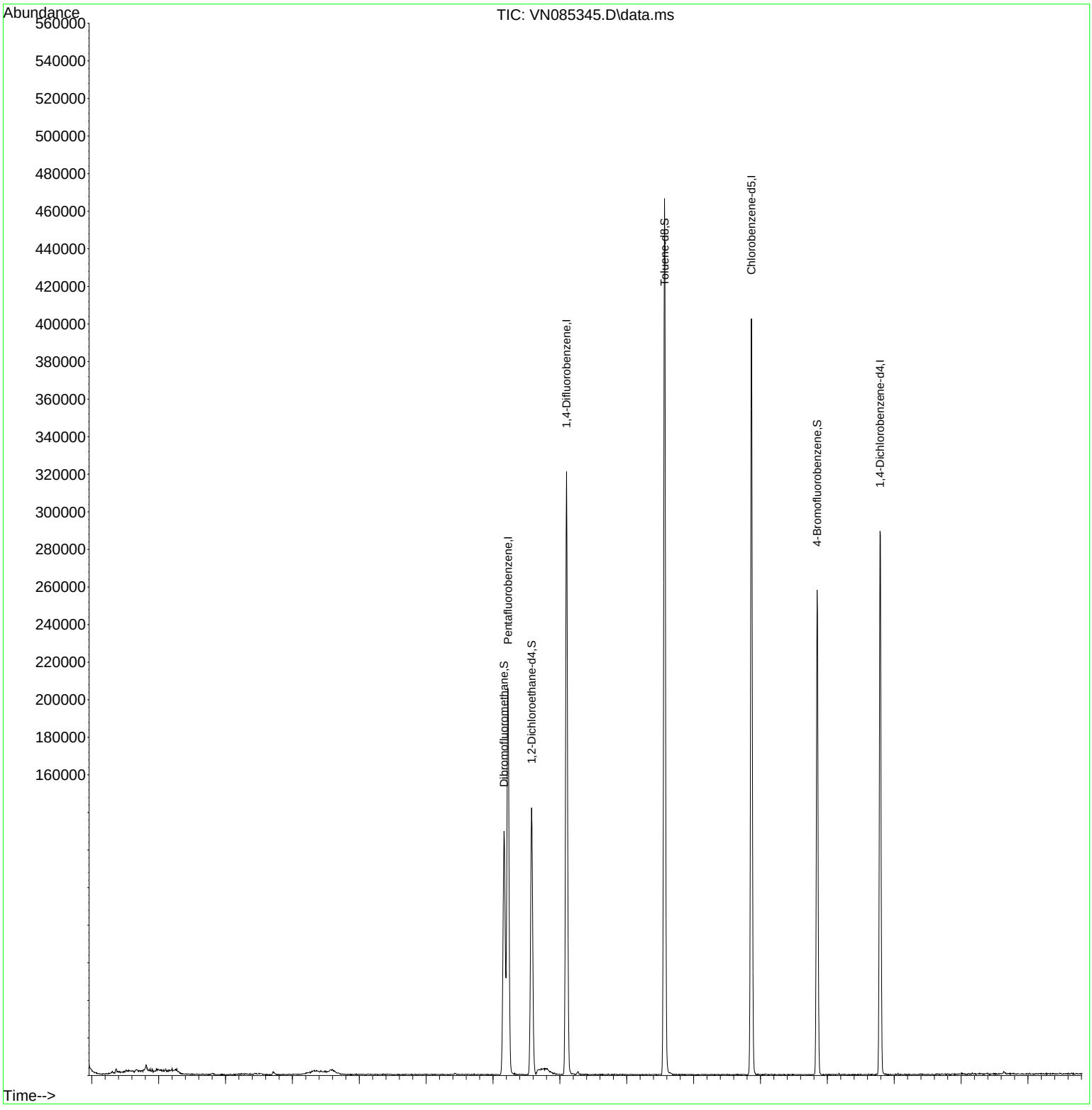
(#) = qualifier out of range (m) = manual integration (+) = signals summed

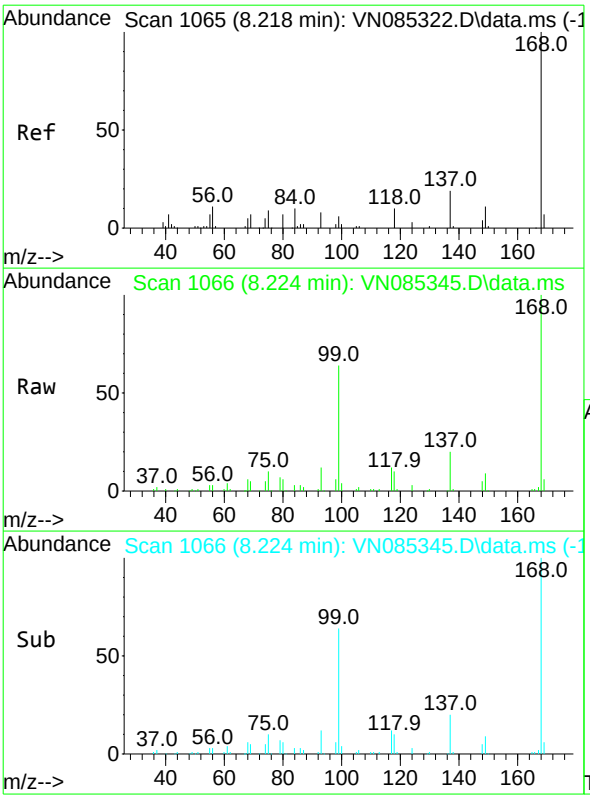
Sample Results: **VN085345.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085345.D
Acq On : 30 Dec 2024 15:14
Operator : JC\MD
Sample : P5369-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Quant Time: Dec 31 02:14:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



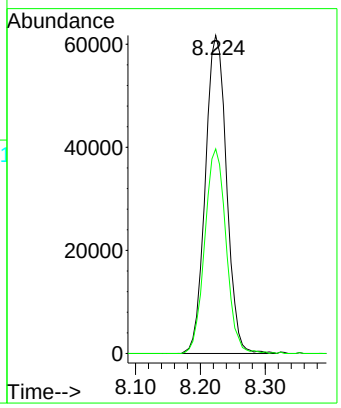


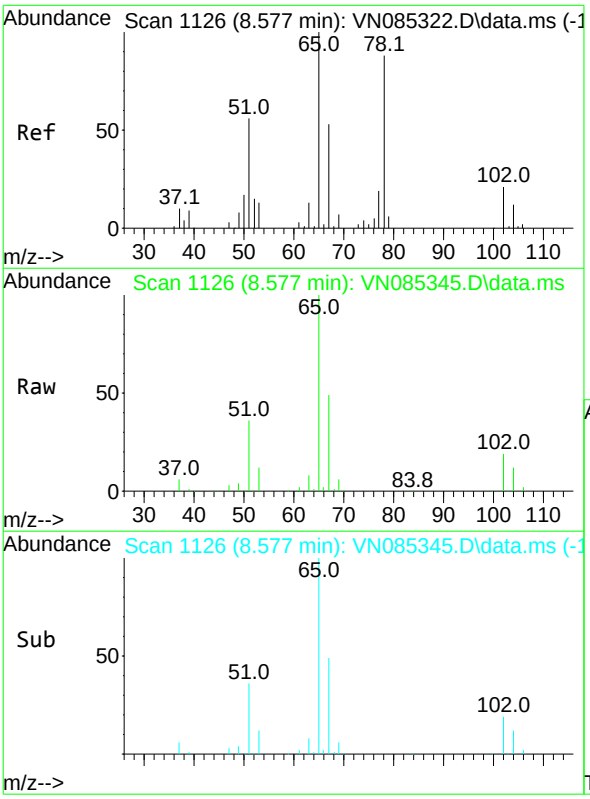
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085345.D
Acq: 30 Dec 2024 15:14

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:168 Resp: 140109

Ion	Ratio	Lower	Upper
168	100		
99	64.3	51.0	76.4

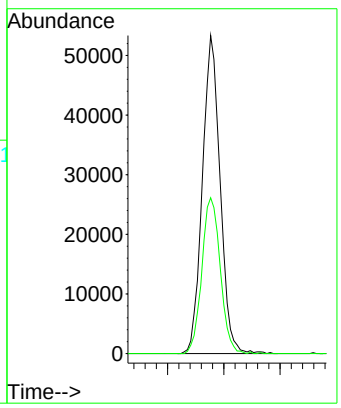


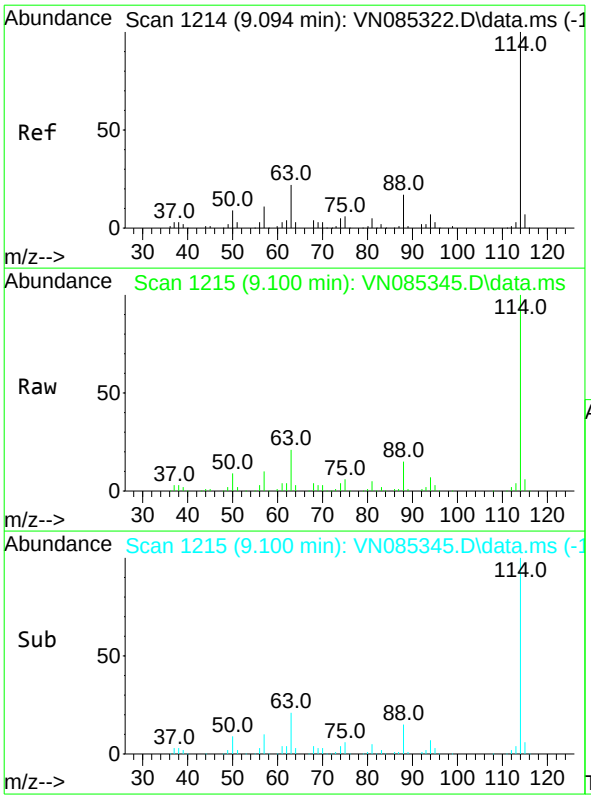


#33
1,2-Dichloroethane-d4
Concen: 58.569 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085345.D
Acq: 30 Dec 2024 15:14

Tgt Ion: 65 Resp: 117042

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	104.0



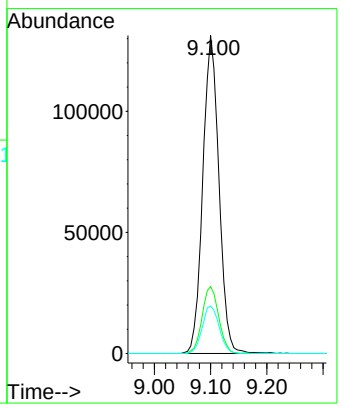


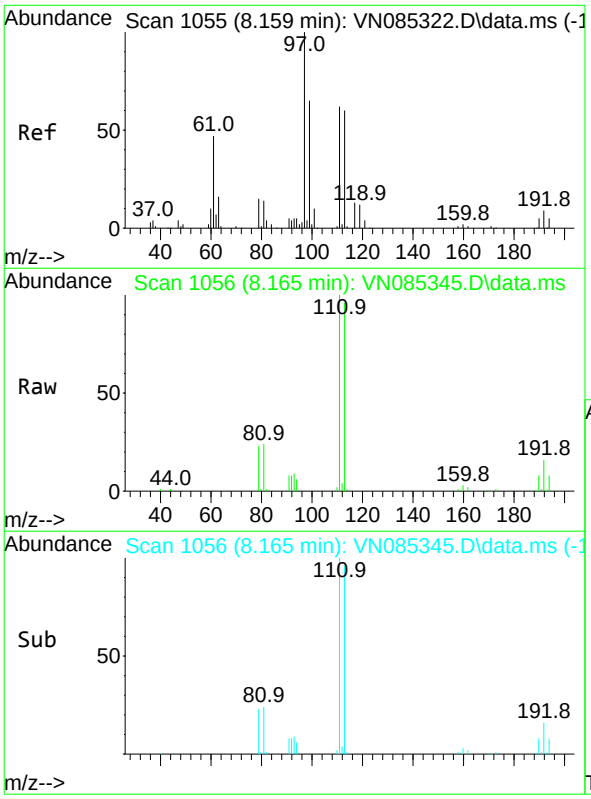
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085345.D
Acq: 30 Dec 2024 15:14

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:114 Resp: 261844

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.4
88	14.9	0.0	33.6

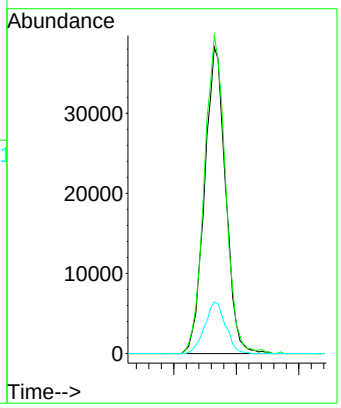


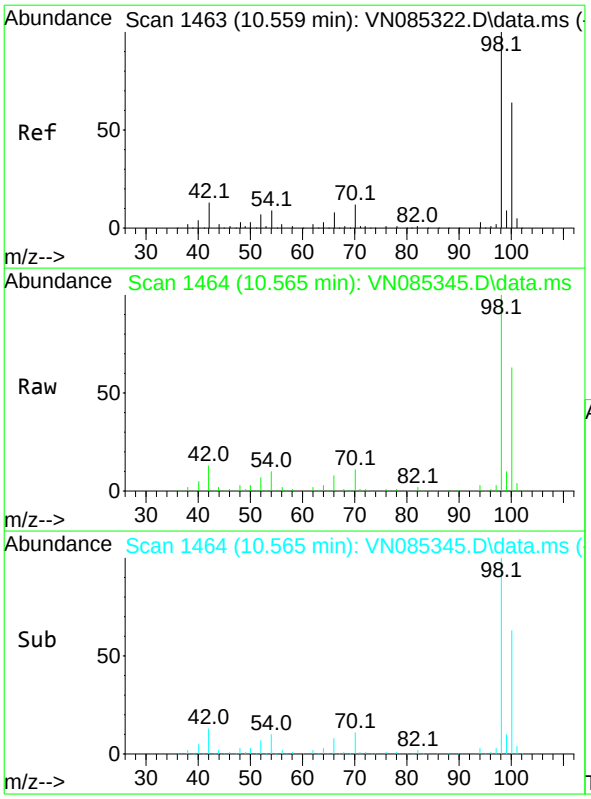


#35
Dibromofluoromethane
Concen: 54.729 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085345.D
Acq: 30 Dec 2024 15:14

Tgt Ion:113 Resp: 89401

Ion	Ratio	Lower	Upper
113	100		
111	104.7	80.5	120.7
192	16.7	12.9	19.3



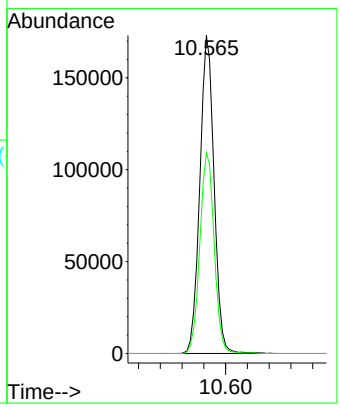


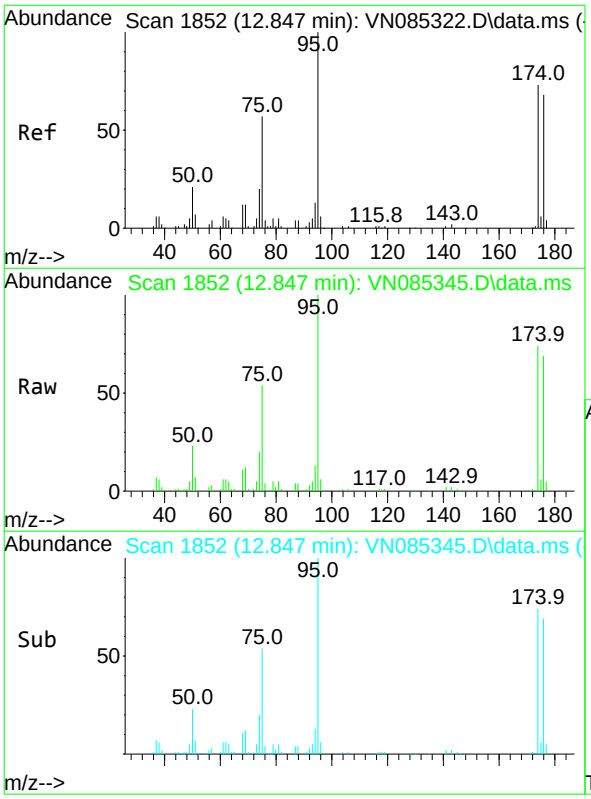
#50
Toluene-d8
Concen: 52.338 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085345.D
Acq: 30 Dec 2024 15:14

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion: 98 Resp: 313733

Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.5	77.3

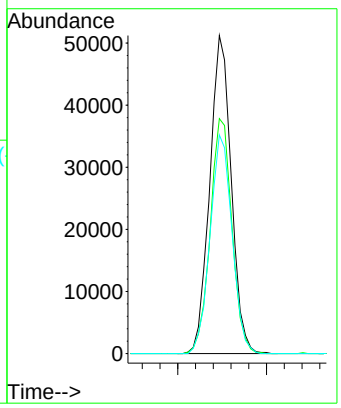


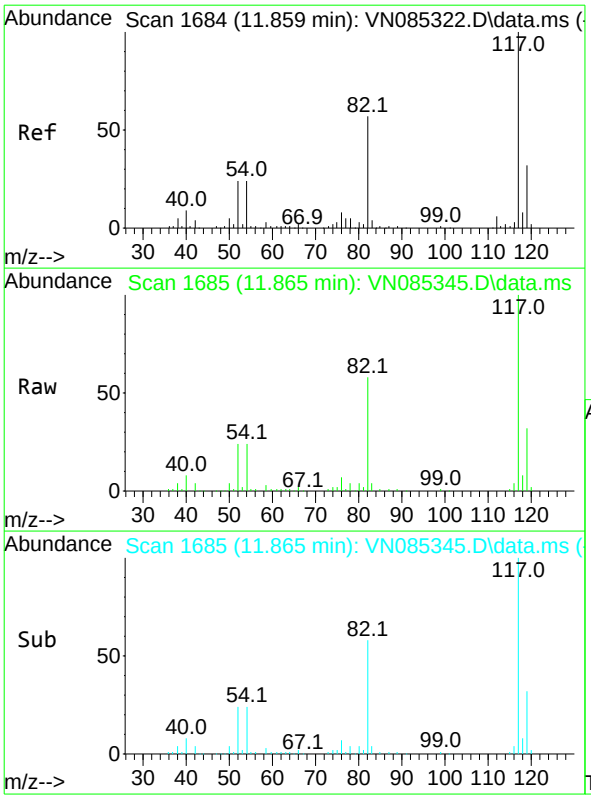


#62
4-Bromofluorobenzene
Concen: 43.236 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085345.D
Acq: 30 Dec 2024 15:14

Tgt Ion: 95 Resp: 86073

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	143.2
176	70.2	0.0	135.8



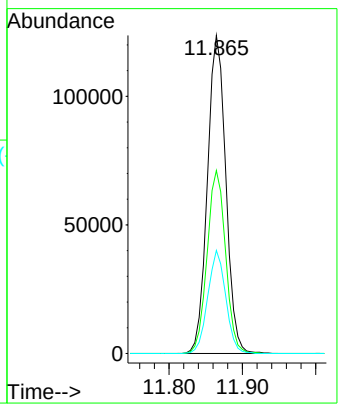


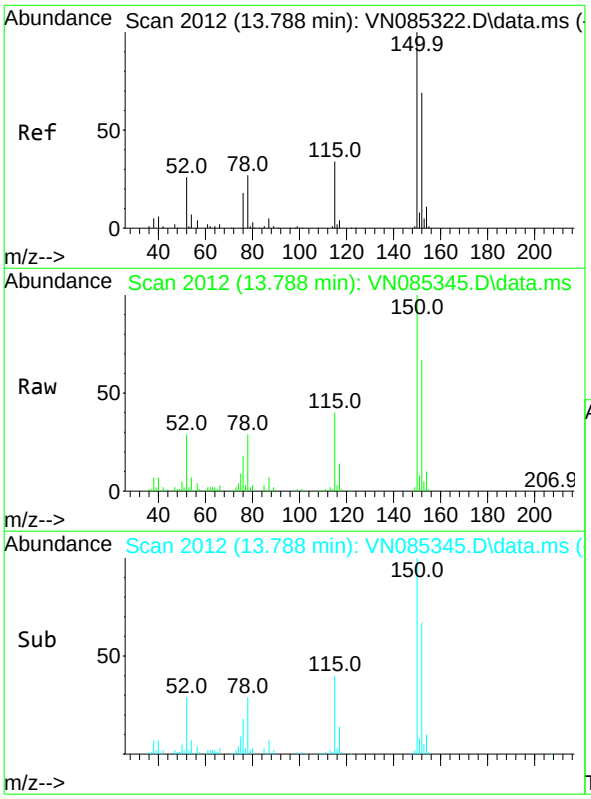
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085345.D
Acq: 30 Dec 2024 15:14

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-6

Tgt Ion:117 Resp: 215685

Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.7	68.5
119	32.4	25.8	38.8

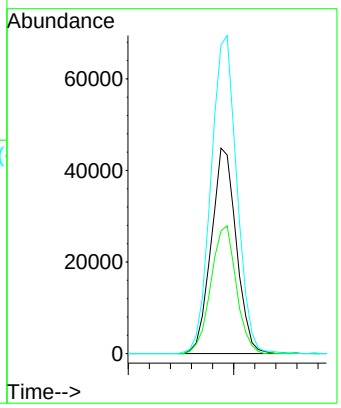




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085345.D
Acq: 30 Dec 2024 15:14

Tgt Ion:152 Resp: 74220

Ion	Ratio	Lower	Upper
152	100		
115	62.7	30.4	91.3
150	159.3	0.0	345.0



Raw Data: **VN085346.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-5	SDG No.:	P5369
Lab Sample ID:	P5369-02	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
VN085346.D	1		12/30/24 15:38	VN123024

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	UQ	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	UQ	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	UQ	0.90	5.00	ug/L
67-64-1	Acetone	1.40	UQ	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	UQ	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	UQ	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: **VN085346.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-5	SDG No.:	P5369
Lab Sample ID:	P5369-02	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
VN085346.D	1		12/30/24 15:38	VN123024

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	UQ	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	UQ	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	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	UQ	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	UQ	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: **VN085346.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-5	SDG No.:	P5369
Lab Sample ID:	P5369-02	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
VN085346.D	1		12/30/24 15:38	VN123024

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	UQ	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	59.5		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	55.3		75 - 124	111%	SPK: 50
2037-26-5	Toluene-d8	52.5		86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	139000	8.224			
540-36-3	1,4-Difluorobenzene	265000	9.1			
3114-55-4	Chlorobenzene-d5	226000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	86100	13.788			

Raw Data: **VN085346.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-5	SDG No.:	P5369
Lab Sample ID:	P5369-02	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
VN085346.D	1		12/30/24 15:38	VN123024

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\VN123024\
Data File : VN085346.D
Acq On : 30 Dec 2024 15:38
Operator : JC\MD
Sample : P5369-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

Quant Time: Dec 31 02:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	139007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	264717	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	226400	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	86105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118040	59.537	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.080%			
35) Dibromofluoromethane	8.165	113	91264	55.263	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.520%			
50) Toluene-d8	10.565	98	318294	52.523	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.040%			
62) 4-Bromofluorobenzene	12.847	95	94061	46.736	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.480%			
Target Compounds						Qvalue

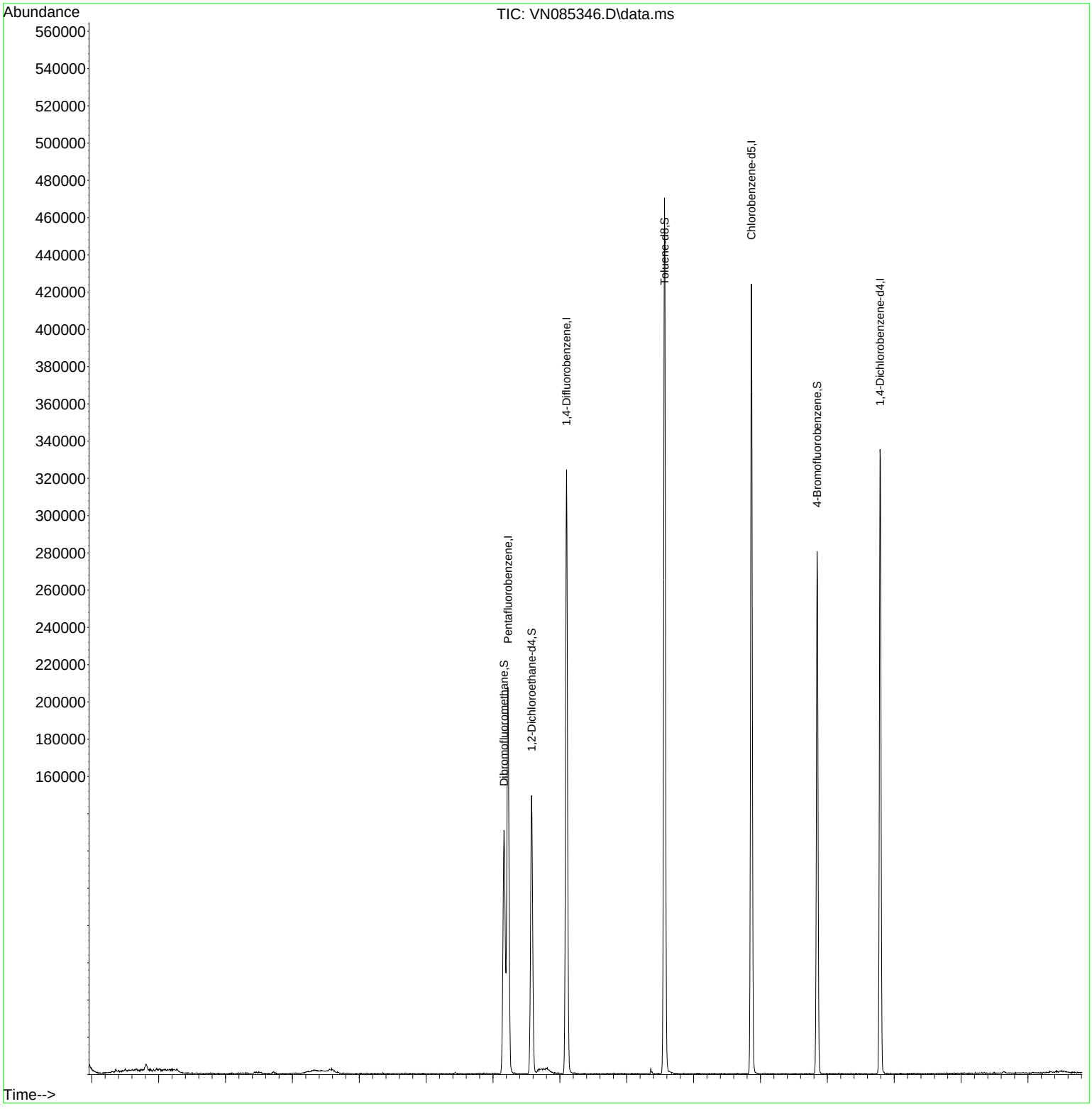
(#) = qualifier out of range (m) = manual integration (+) = signals summed

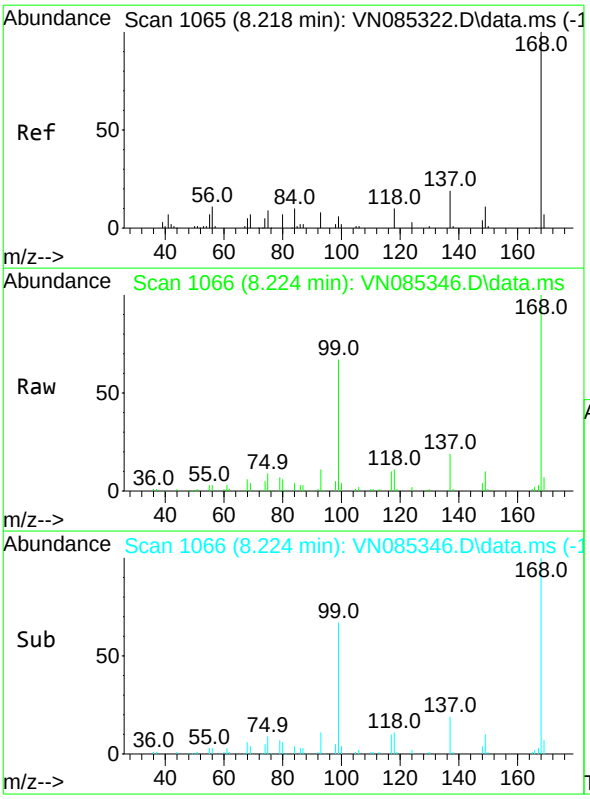
Sample Results: **VN085346.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085346.D
Acq On : 30 Dec 2024 15:38
Operator : JC\MD
Sample : P5369-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

Quant Time: Dec 31 02:15:08 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



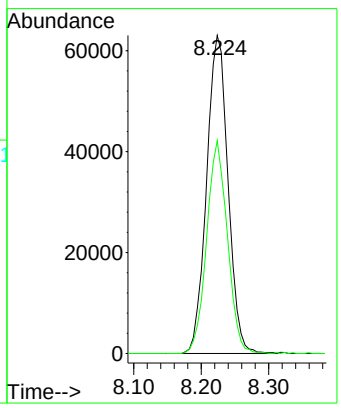


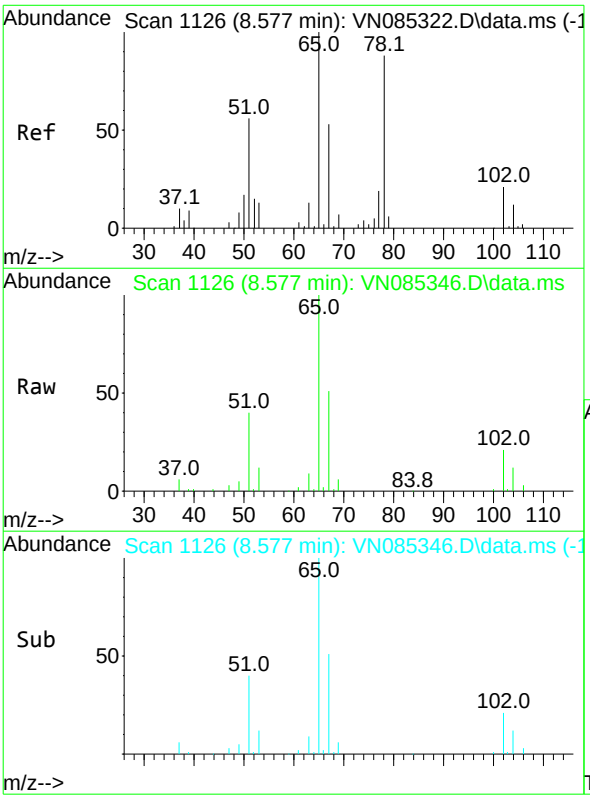
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085346.D
Acq: 30 Dec 2024 15:38

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

Tgt Ion:168 Resp: 139007

Ion	Ratio	Lower	Upper
168	100		
99	66.9	51.0	76.4

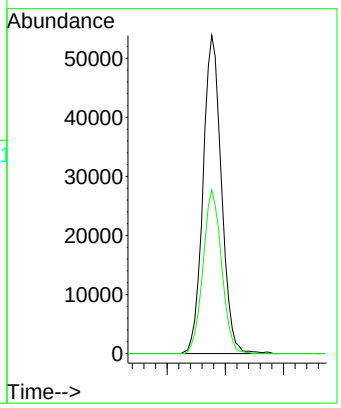


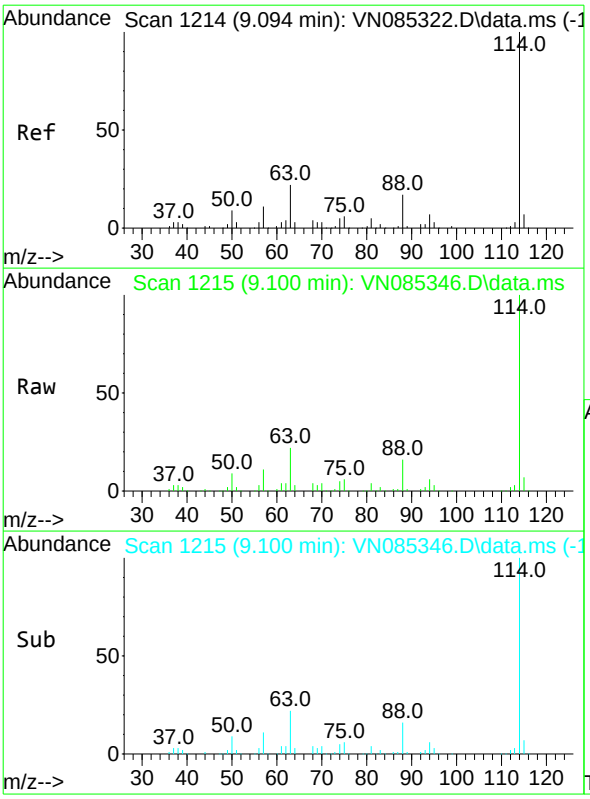


#33
1,2-Dichloroethane-d4
Concen: 59.537 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085346.D
Acq: 30 Dec 2024 15:38

Tgt Ion: 65 Resp: 118040

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.0



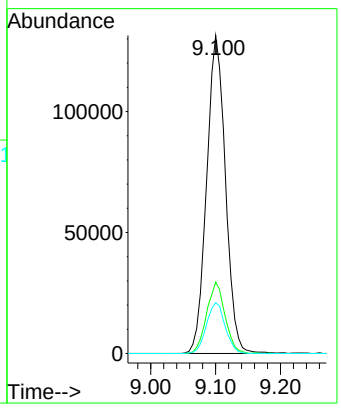


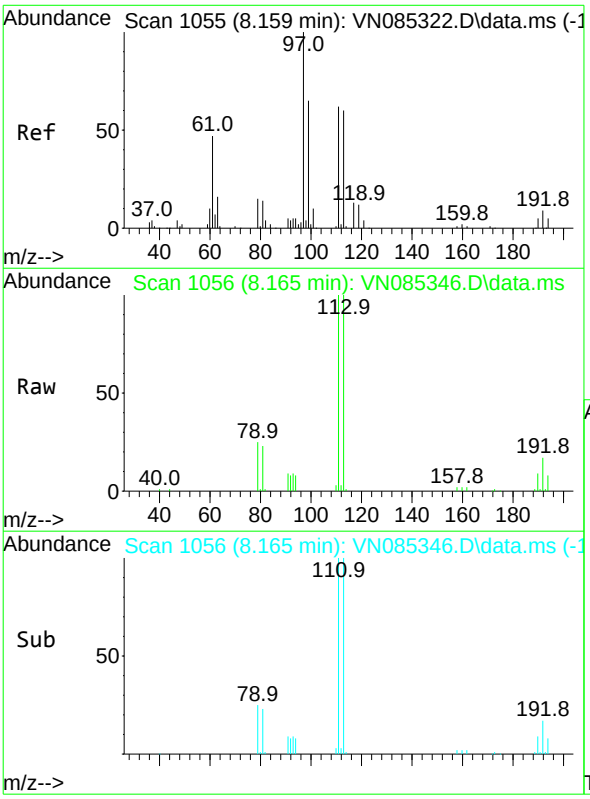
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085346.D
Acq: 30 Dec 2024 15:38

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

Tgt Ion:114 Resp: 264717

Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	43.4
88	16.0	0.0	33.6

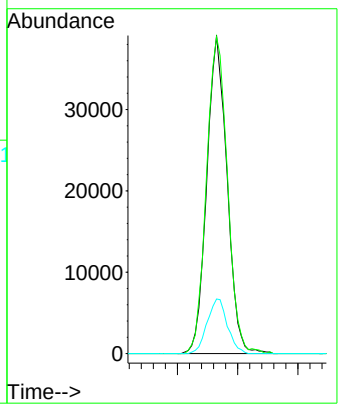


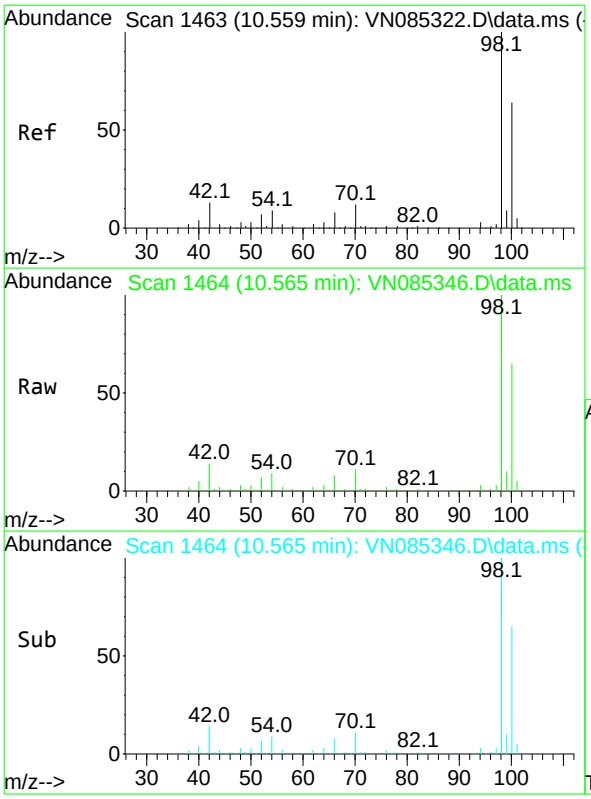


#35
Dibromofluoromethane
Concen: 55.263 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085346.D
Acq: 30 Dec 2024 15:38

Tgt Ion:113 Resp: 91264

Ion	Ratio	Lower	Upper
113	100		
111	102.9	80.5	120.7
192	17.1	12.9	19.3



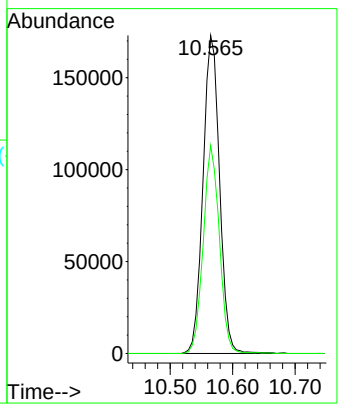


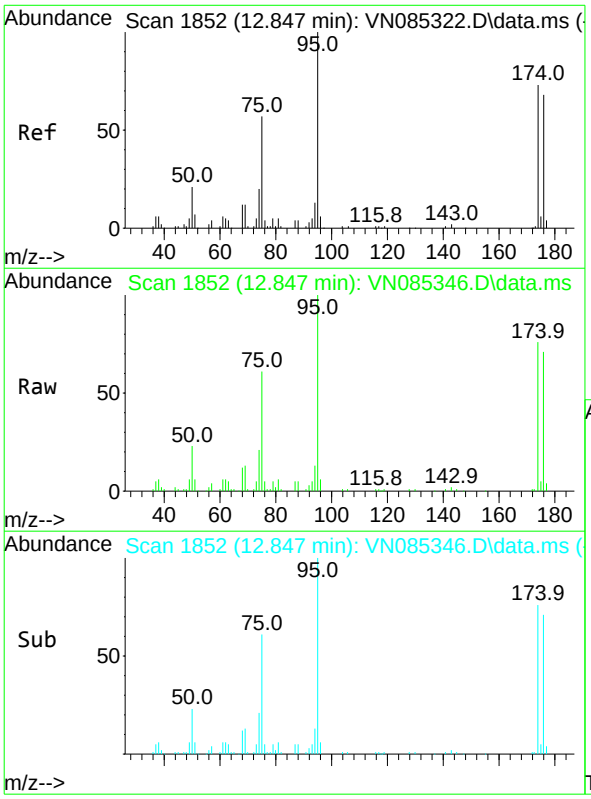
#50
Toluene-d8
Concen: 52.523 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085346.D
Acq: 30 Dec 2024 15:38

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

Tgt Ion: 98 Resp: 318294

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3

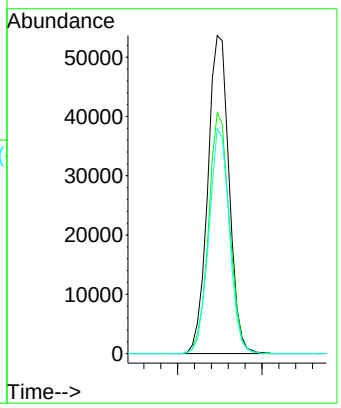


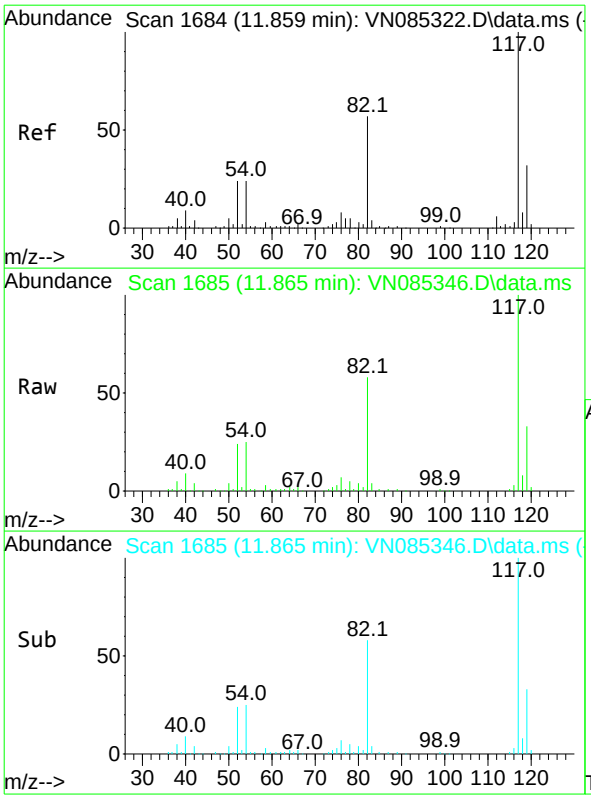


#62
4-Bromofluorobenzene
Concen: 46.736 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085346.D
Acq: 30 Dec 2024 15:38

Tgt Ion: 95 Resp: 94061

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	143.2
176	68.0	0.0	135.8



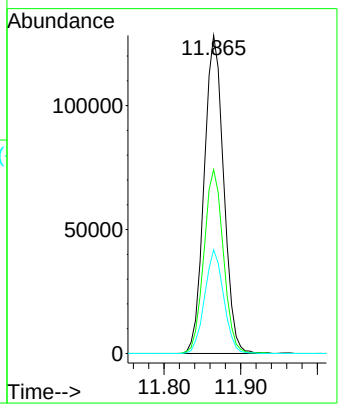


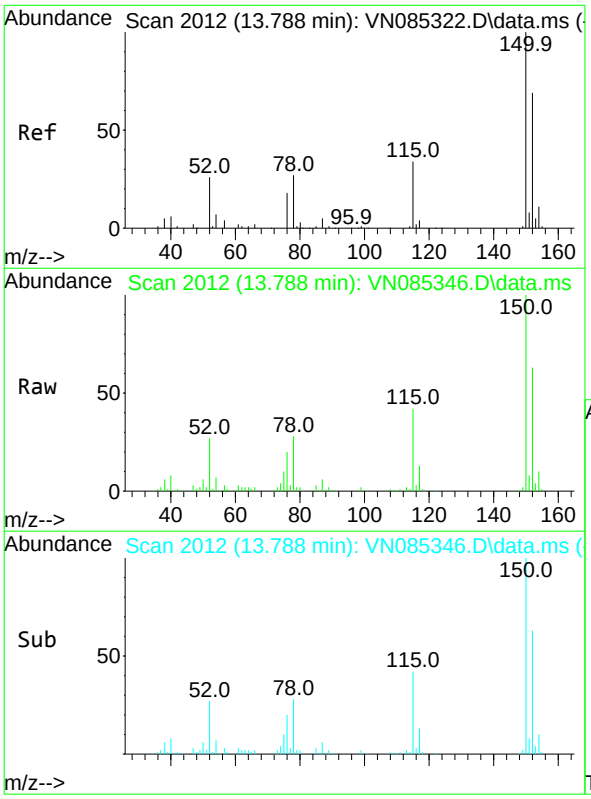
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085346.D
Acq: 30 Dec 2024 15:38

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-5

Tgt Ion:117 Resp: 226400

Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.7	68.5
119	32.6	25.8	38.8

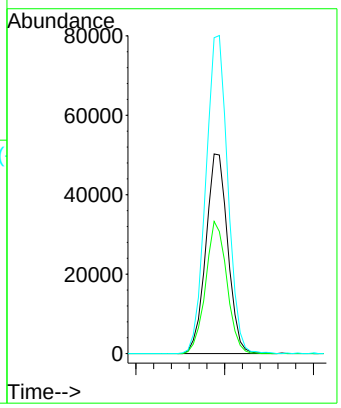




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085346.D
Acq: 30 Dec 2024 15:38

Tgt Ion:152 Resp: 86105

Ion	Ratio	Lower	Upper
152	100		
115	64.0	30.4	91.3
150	159.8	0.0	345.0



Raw Data: **VN085347.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-4	SDG No.:	P5369
Lab Sample ID:	P5369-03	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
VN085347.D	1		12/30/24 16:02	VN123024

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	UQ	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	UQ	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	UQ	0.90	5.00	ug/L
67-64-1	Acetone	1.40	UQ	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	UQ	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	UQ	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: **VN085347.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-4	SDG No.:	P5369
Lab Sample ID:	P5369-03	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
VN085347.D	1		12/30/24 16:02	VN123024

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	UQ	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	UQ	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	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	UQ	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	UQ	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: **VN085347.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-4	SDG No.:	P5369
Lab Sample ID:	P5369-03	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
VN085347.D	1		12/30/24 16:02	VN123024

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	UQ	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	58.8		74 - 125	118%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	52.8		86 - 113	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.0		77 - 121	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	148000	8.224			
540-36-3	1,4-Difluorobenzene	277000	9.1			
3114-55-4	Chlorobenzene-d5	234000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	86800	13.788			

Raw Data: **VN085347.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SOIL-REF-4	SDG No.:	P5369
Lab Sample ID:	P5369-03	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
VN085347.D	1		12/30/24 16:02	VN123024

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: **VN085347.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085347.D
Acq On : 30 Dec 2024 16:02
Operator : JC\MD
Sample : P5369-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

Quant Time: Dec 31 02:15:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	147922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	233922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	86818	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	124029	58.787	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.580%			
35) Dibromofluoromethane	8.165	113	93485	54.180	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.360%			
50) Toluene-d8	10.565	98	334271	52.794	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.580%			
62) 4-Bromofluorobenzene	12.847	95	96715	45.993	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.980%			
Target Compounds						Qvalue

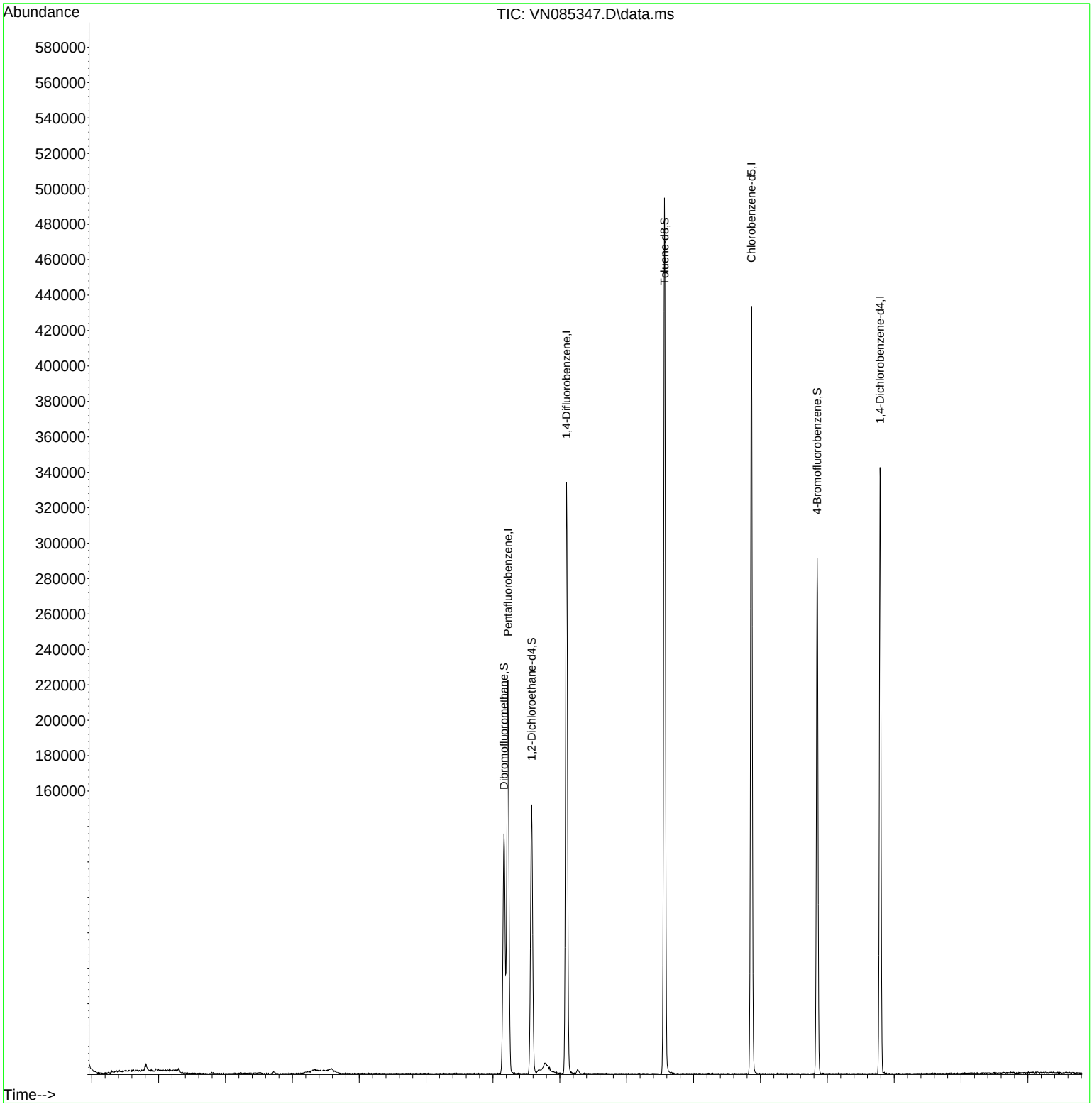
(#) = qualifier out of range (m) = manual integration (+) = signals summed

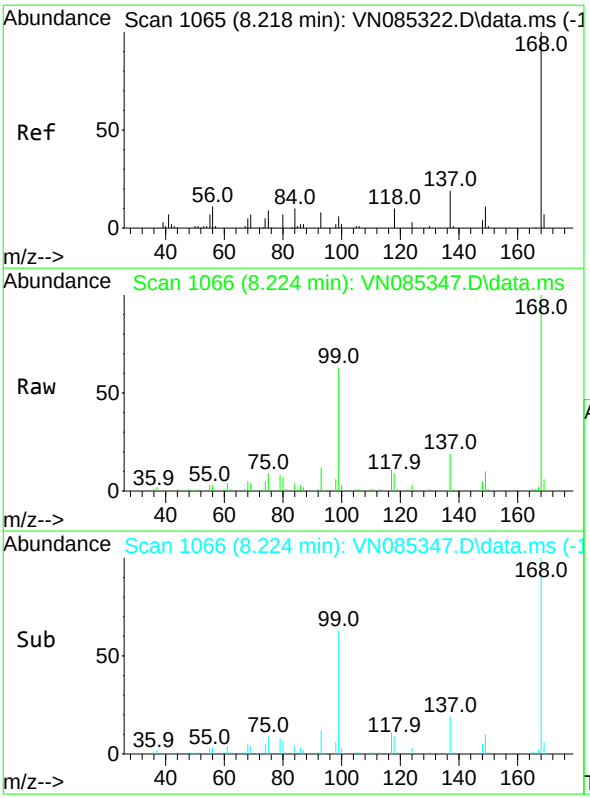
Sample Results: **VN085347.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085347.D
Acq On : 30 Dec 2024 16:02
Operator : JC\MD
Sample : P5369-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

Quant Time: Dec 31 02:15:30 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



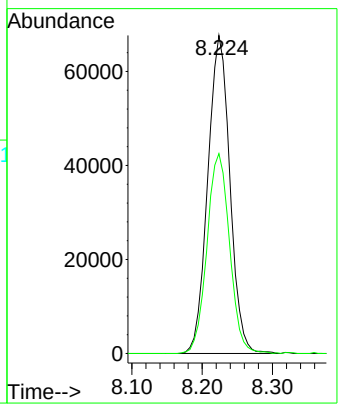


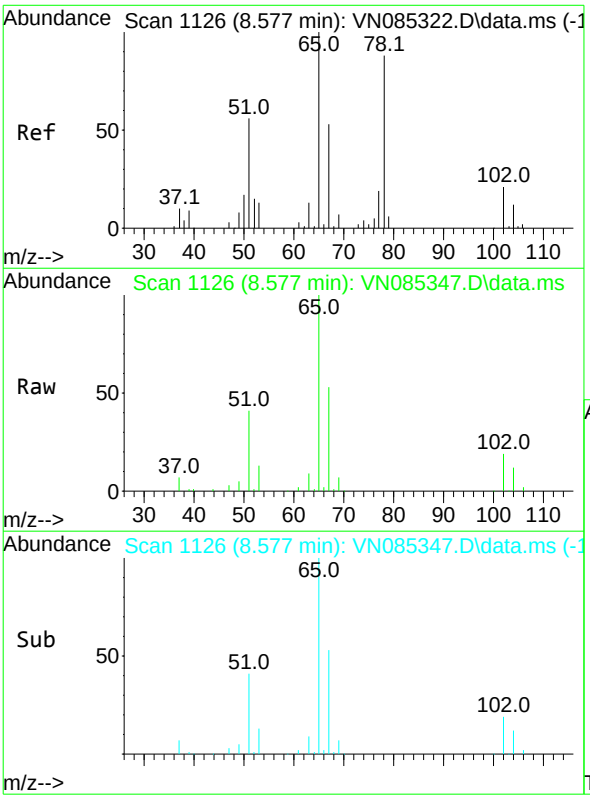
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085347.D
Acq: 30 Dec 2024 16:02

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

Tgt Ion:168 Resp: 147922

Ion	Ratio	Lower	Upper
168	100		
99	62.9	51.0	76.4

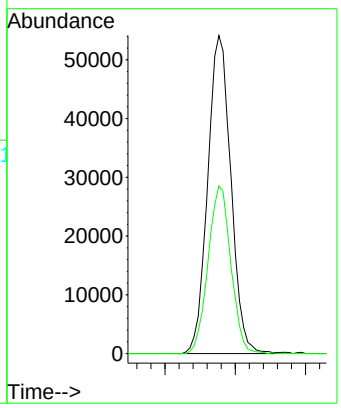


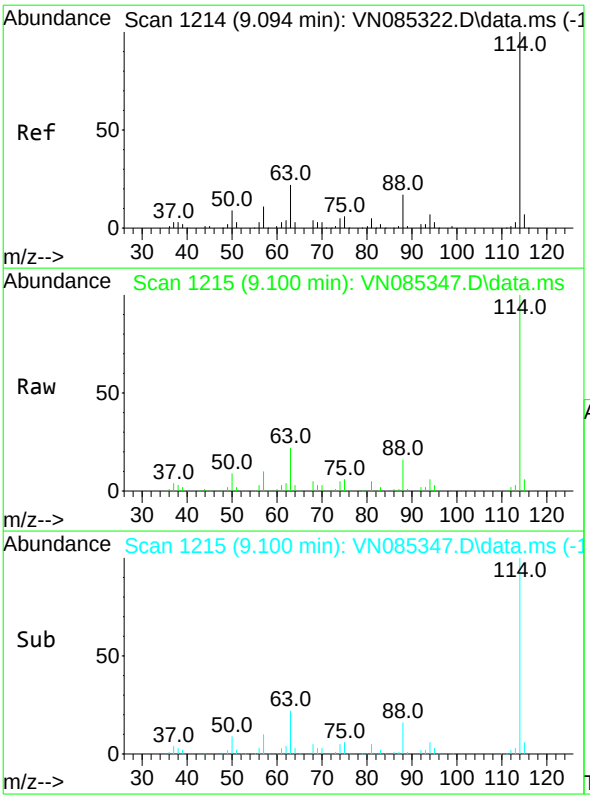


#33
1,2-Dichloroethane-d4
Concen: 58.787 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085347.D
Acq: 30 Dec 2024 16:02

Tgt Ion: 65 Resp: 124029

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.0



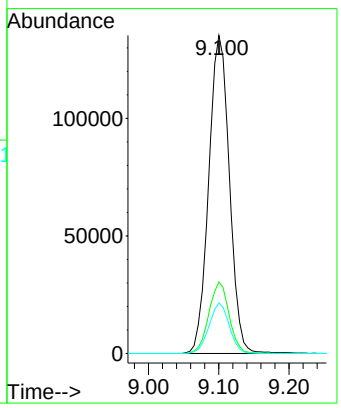


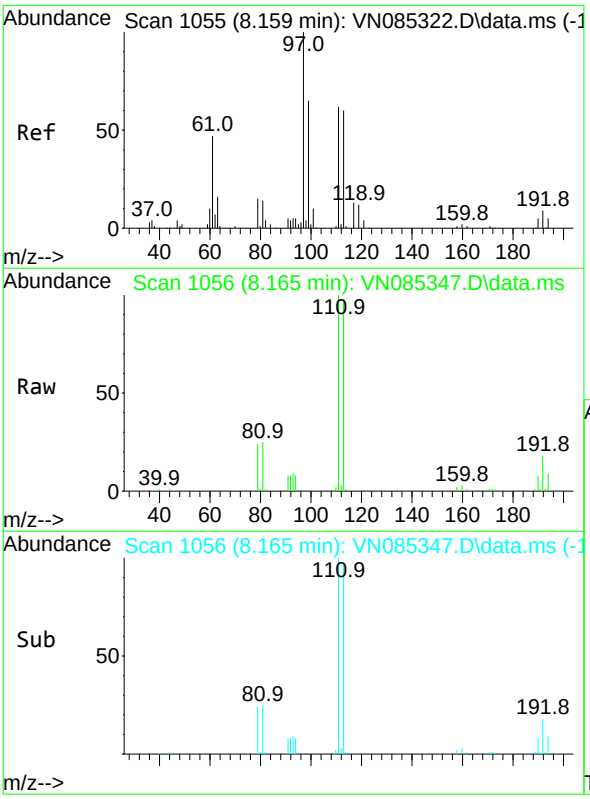
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085347.D
Acq: 30 Dec 2024 16:02

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

Tgt Ion:114 Resp: 276580

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.4
88	15.9	0.0	33.6

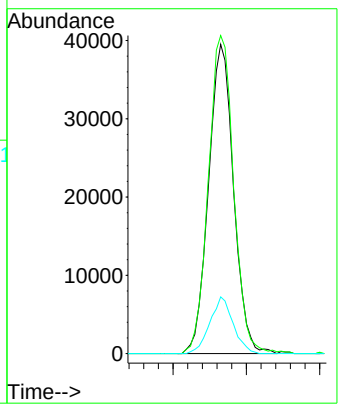


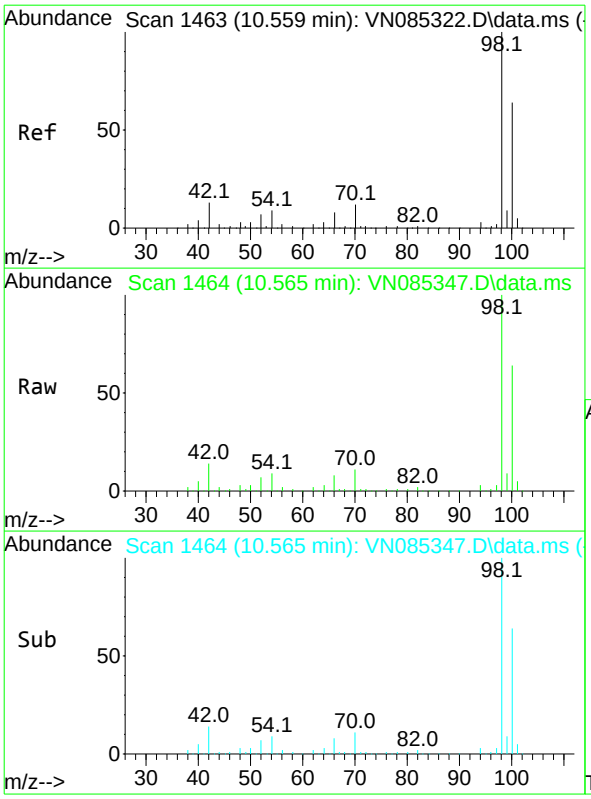


#35
Dibromofluoromethane
Concen: 54.180 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085347.D
Acq: 30 Dec 2024 16:02

Tgt Ion:113 Resp: 93485

Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.5	120.7
192	17.1	12.9	19.3



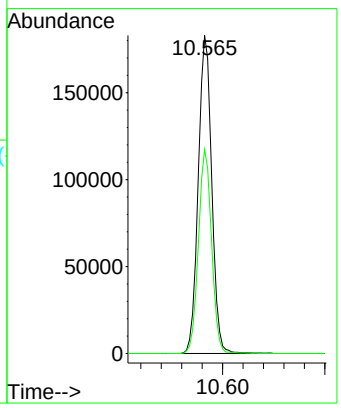


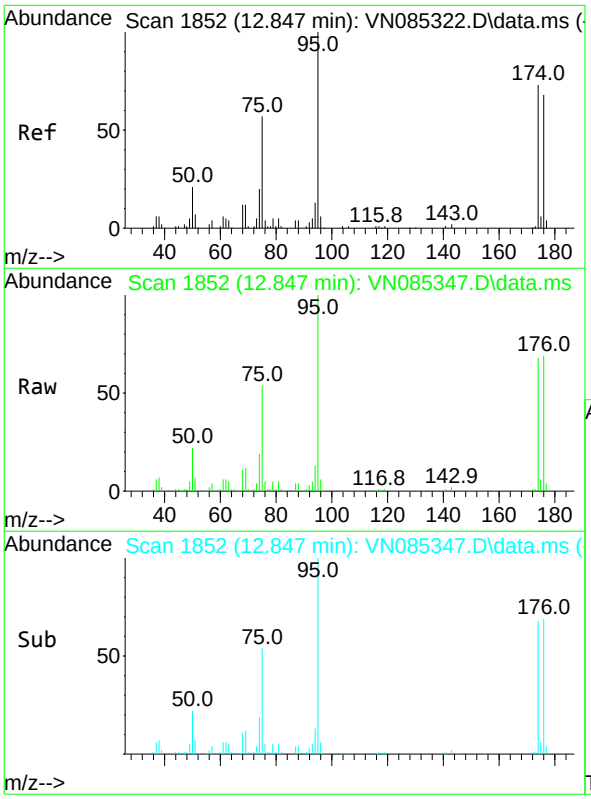
#50
Toluene-d8
Concen: 52.794 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085347.D
Acq: 30 Dec 2024 16:02

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

Tgt Ion: 98 Resp: 334271

Ion	Ratio	Lower	Upper
98	100		
100	62.8	51.5	77.3

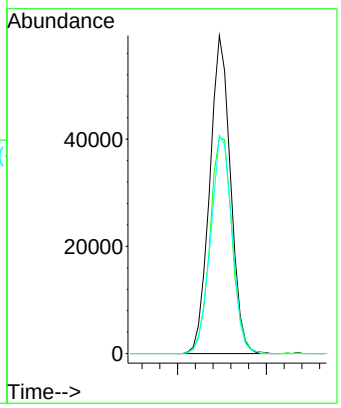


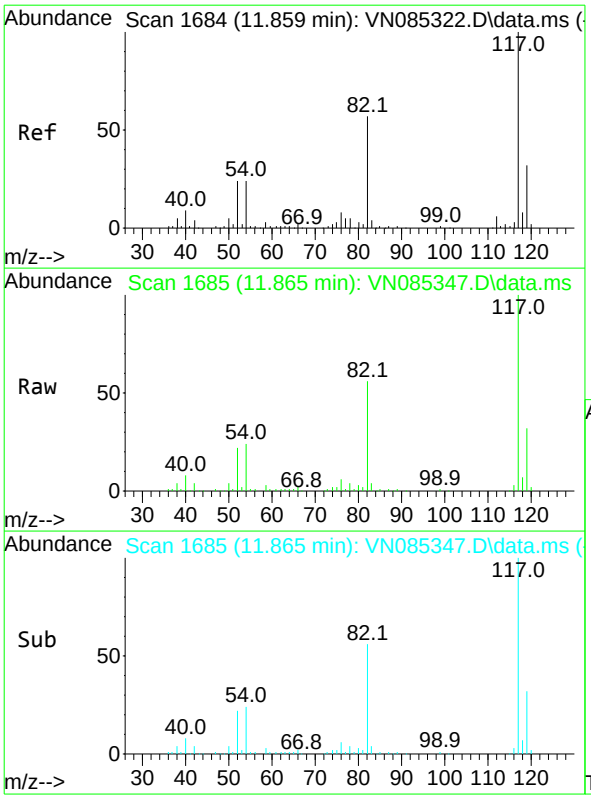


#62
4-Bromofluorobenzene
Concen: 45.993 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085347.D
Acq: 30 Dec 2024 16:02

Tgt Ion: 95 Resp: 96715

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	143.2
176	70.4	0.0	135.8



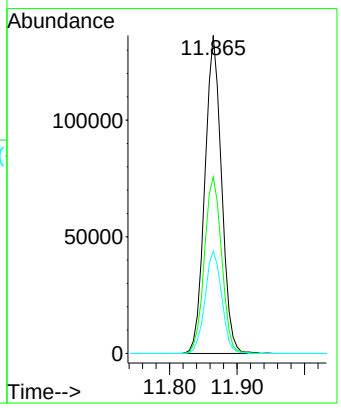


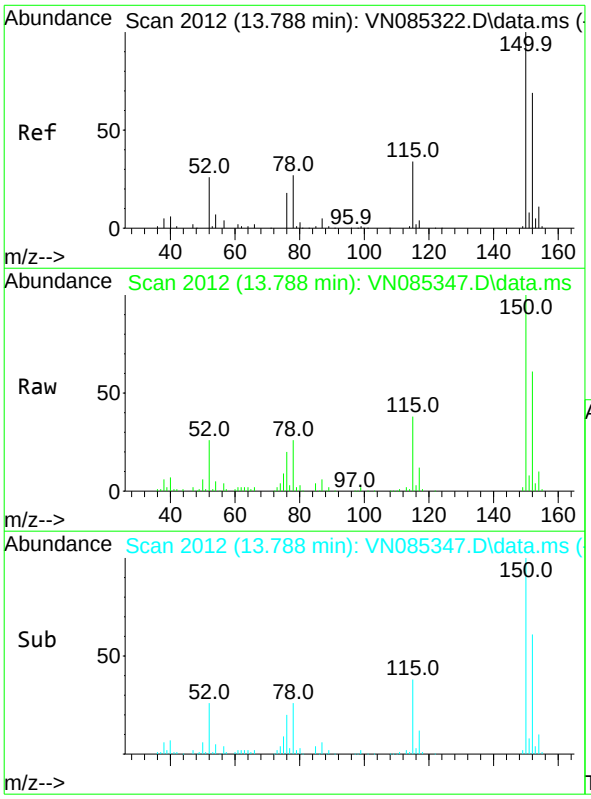
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085347.D
Acq: 30 Dec 2024 16:02

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SOIL-REF-4

Tgt Ion:117 Resp: 233922

Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.7	68.5
119	32.2	25.8	38.8

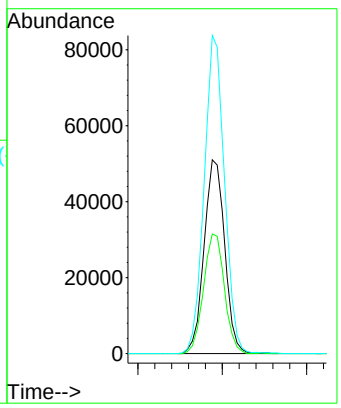




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085347.D
Acq: 30 Dec 2024 16:02

Tgt Ion:152 Resp: 86818

Ion	Ratio	Lower	Upper
152	100		
115	62.1	30.4	91.3
150	161.3	0.0	345.0



Raw Data: **VN085348.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SAMPLE-MANAGEMENT	SDG No.:	P5369
Lab Sample ID:	P5369-04	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
VN085348.D	1		12/30/24 16:26	VN123024

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	UQ	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	UQ	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	UQ	0.90	5.00	ug/L
67-64-1	Acetone	1.40	UQ	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	UQ	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	UQ	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: **VN085348.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SAMPLE-MANAGEMENT	SDG No.:	P5369
Lab Sample ID:	P5369-04	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
VN085348.D	1		12/30/24 16:26	VN123024

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	UQ	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	UQ	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	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	UQ	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	UQ	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: **VN085348.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SAMPLE-MANAGEMENT	SDG No.:	P5369
Lab Sample ID:	P5369-04	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
VN085348.D	1		12/30/24 16:26	VN123024

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	UQ	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	60.1		74 - 125	120%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5		75 - 124	111%	SPK: 50
2037-26-5	Toluene-d8	52.9		86 - 113	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.7		77 - 121	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	135000	8.224			
540-36-3	1,4-Difluorobenzene	255000	9.1			
3114-55-4	Chlorobenzene-d5	215000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	83400	13.794			

Raw Data: **VN085348.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:	12/13/24
Project:	Weekly Storage Blanks	Date Received:	12/20/24
Client Sample ID:	STORAGE-BLANK-SAMPLE-MANAGEMENT	SDG No.:	P5369
Lab Sample ID:	P5369-04	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
VN085348.D	1		12/30/24 16:26	VN123024

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\VN123024\
Data File : VN085348.D
Acq On : 30 Dec 2024 16:26
Operator : JC\MD
Sample : P5369-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Dec 31 02:15:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

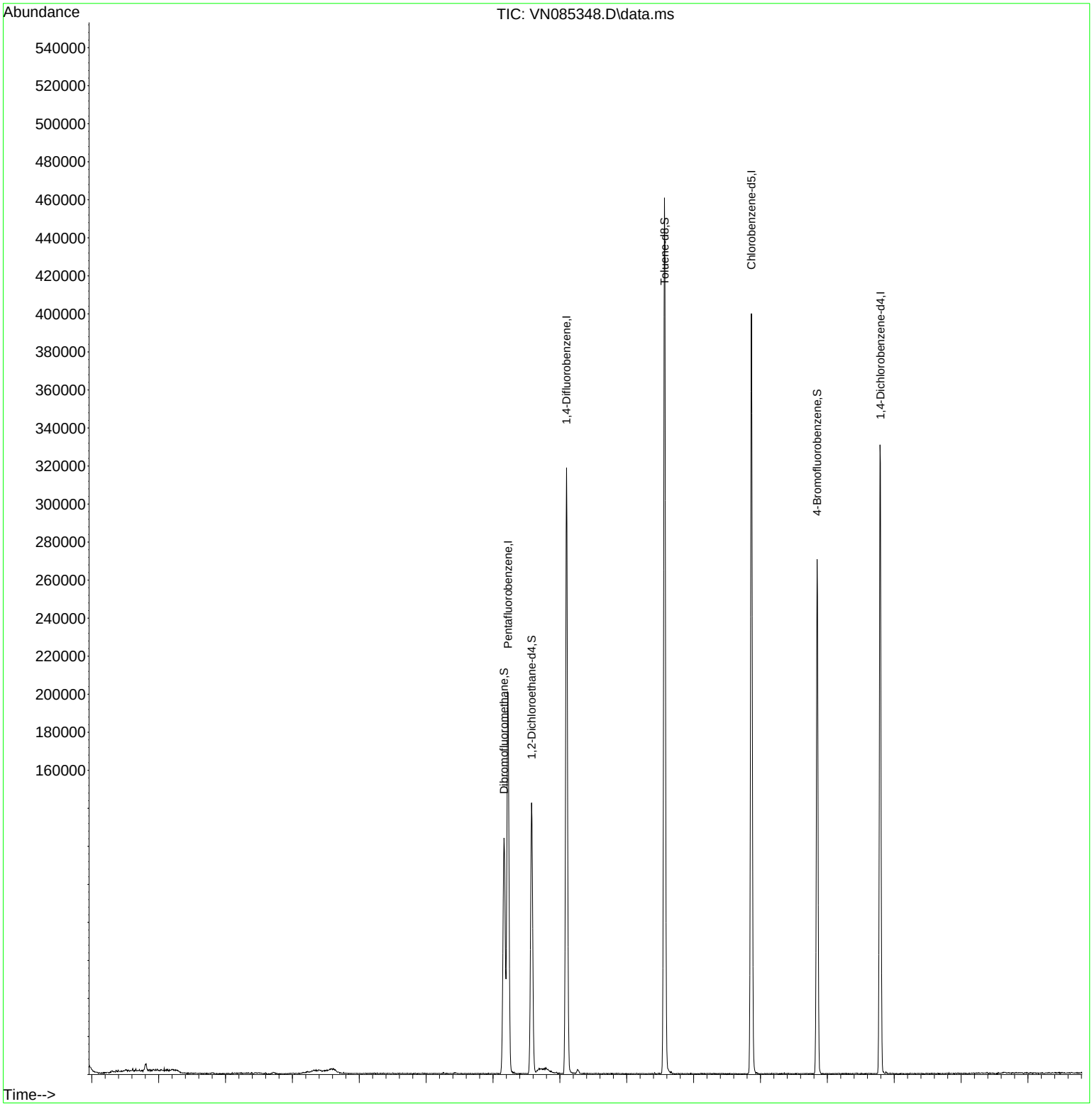
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	135285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	255124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	83413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	116057	60.147	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.300%			
35) Dibromofluoromethane	8.165	113	88300	55.479	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.960%			
50) Toluene-d8	10.565	98	308884	52.887	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.780%			
62) 4-Bromofluorobenzene	12.847	95	88681	45.720	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.440%			
Target Compounds						Qvalue

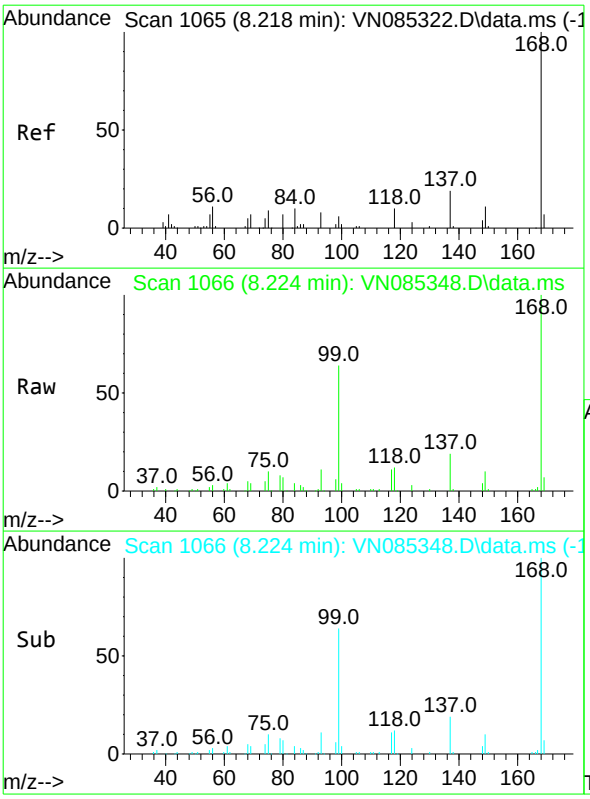
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085348.D
Acq On : 30 Dec 2024 16:26
Operator : JC\MD
Sample : P5369-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Quant Time: Dec 31 02:15:53 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



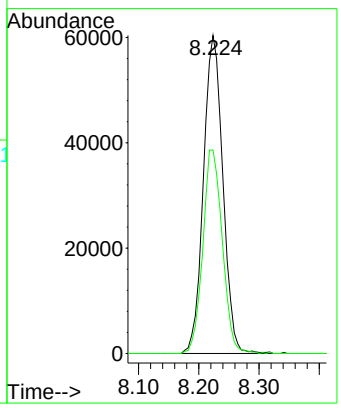


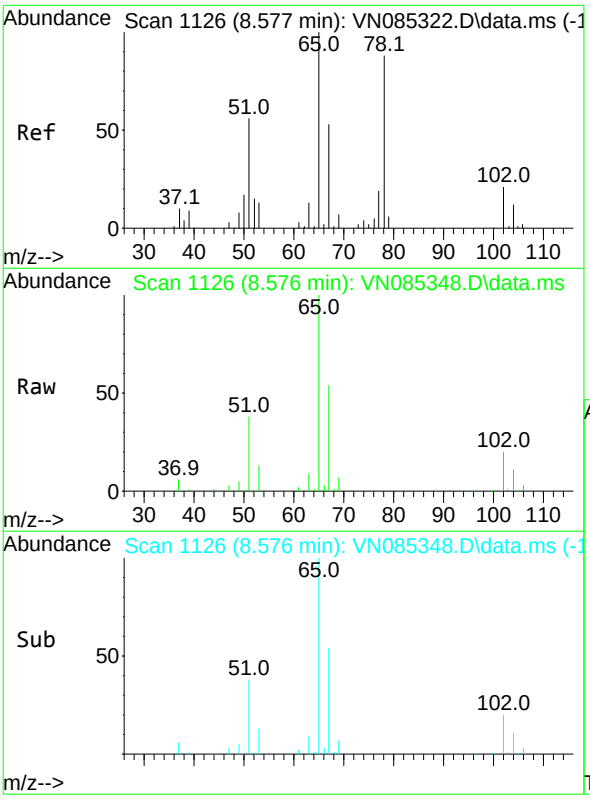
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085348.D
Acq: 30 Dec 2024 16:26

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:168 Resp: 135285

Ion	Ratio	Lower	Upper
168	100		
99	64.0	51.0	76.4

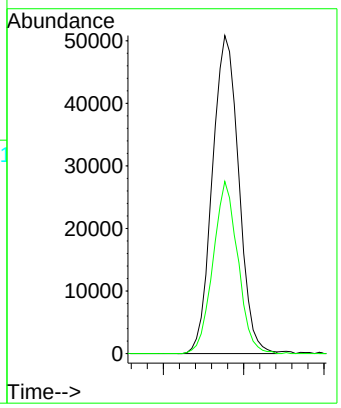


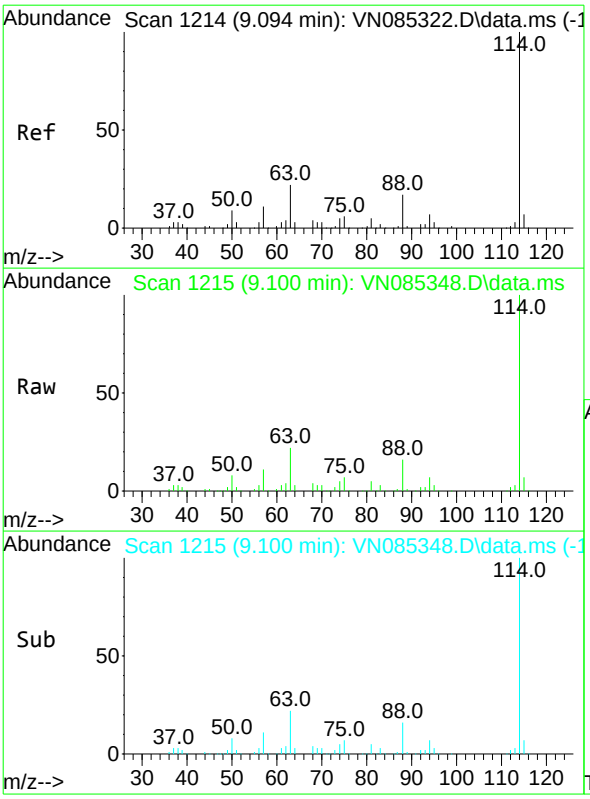


#33
1,2-Dichloroethane-d4
Concen: 60.147 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN085348.D
Acq: 30 Dec 2024 16:26

Tgt Ion: 65 Resp: 116057

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.0



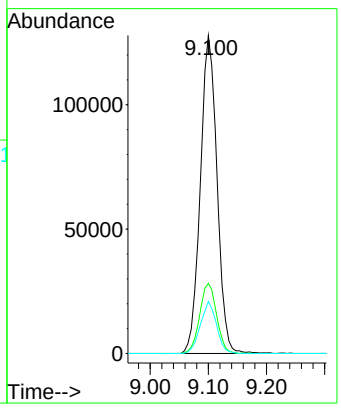


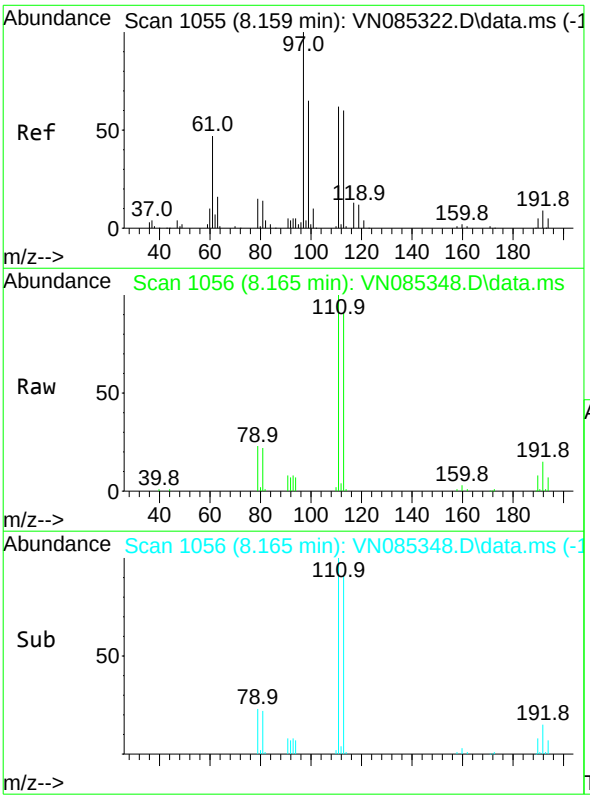
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085348.D
Acq: 30 Dec 2024 16:26

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:114 Resp: 255124

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.4
88	16.4	0.0	33.6

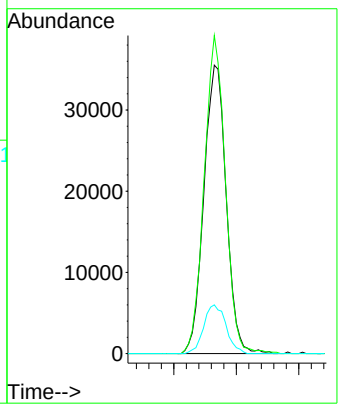


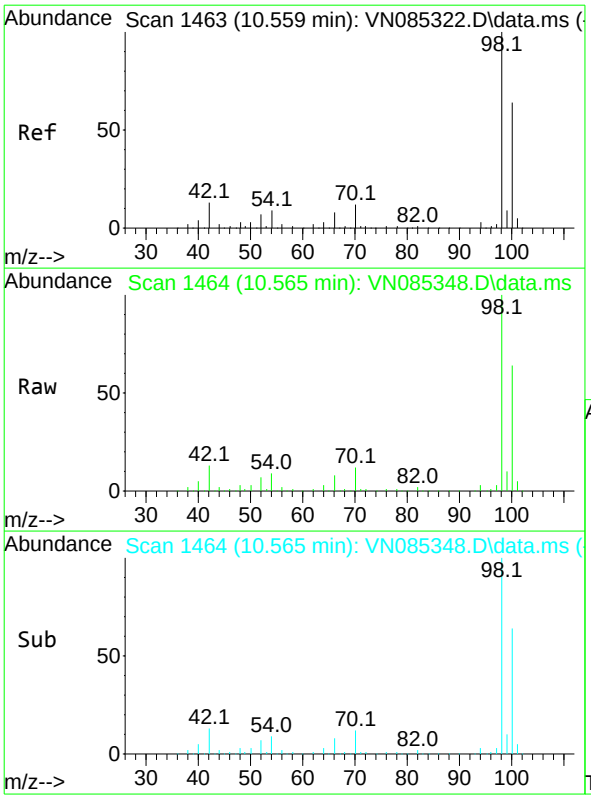


#35
Dibromofluoromethane
Concen: 55.479 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085348.D
Acq: 30 Dec 2024 16:26

Tgt Ion:113 Resp: 88300

Ion	Ratio	Lower	Upper
113	100		
111	104.5	80.5	120.7
192	16.9	12.9	19.3



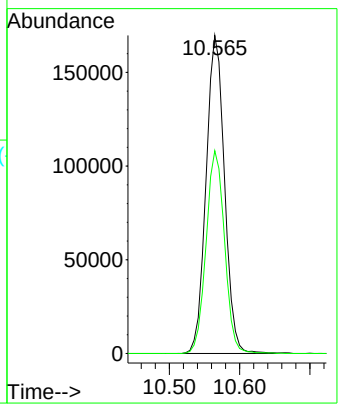


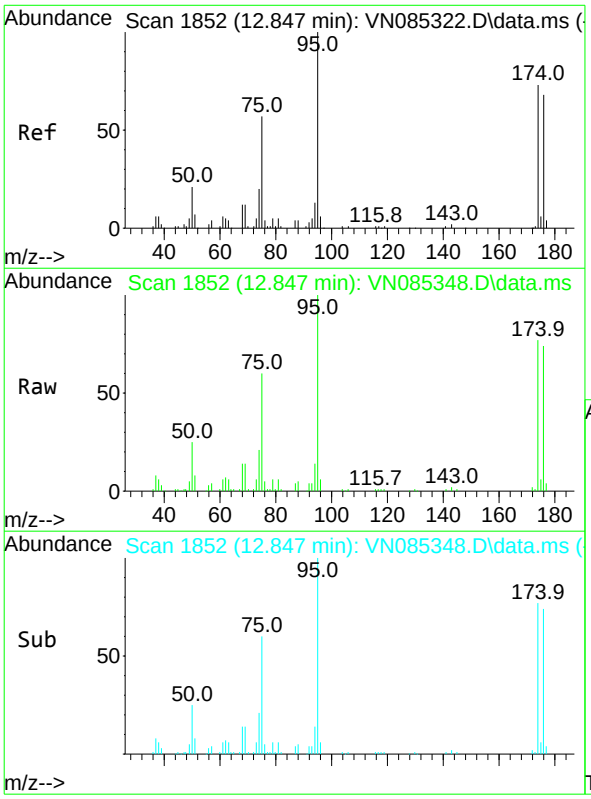
#50
Toluene-d8
Concen: 52.887 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085348.D
Acq: 30 Dec 2024 16:26

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 98 Resp: 308884

Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.5	77.3

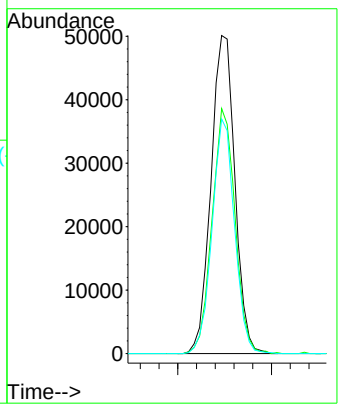


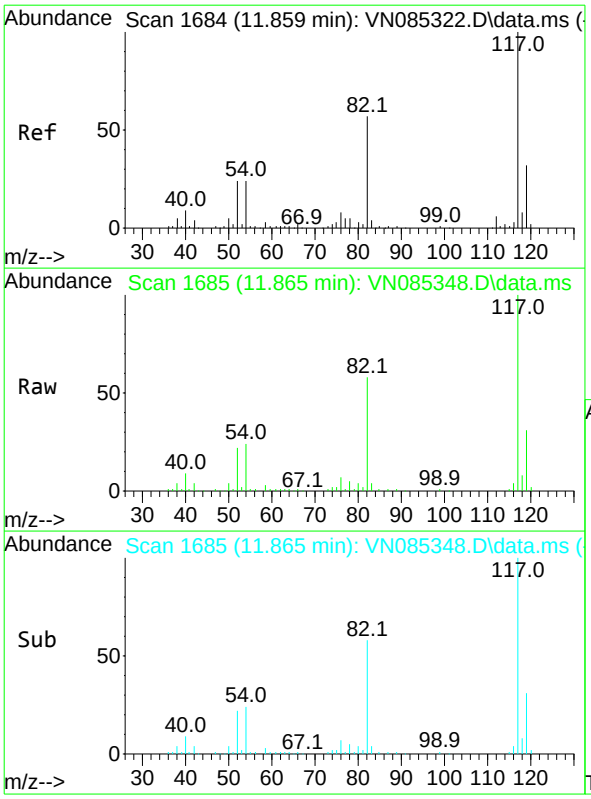


#62
4-Bromofluorobenzene
Concen: 45.720 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085348.D
Acq: 30 Dec 2024 16:26

Tgt Ion: 95 Resp: 88681

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	143.2
176	69.2	0.0	135.8



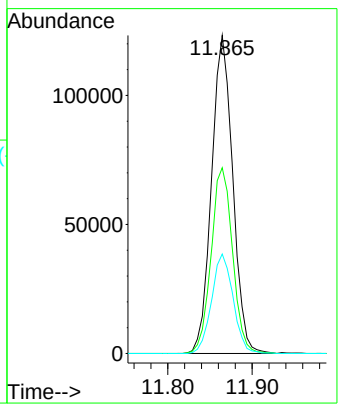


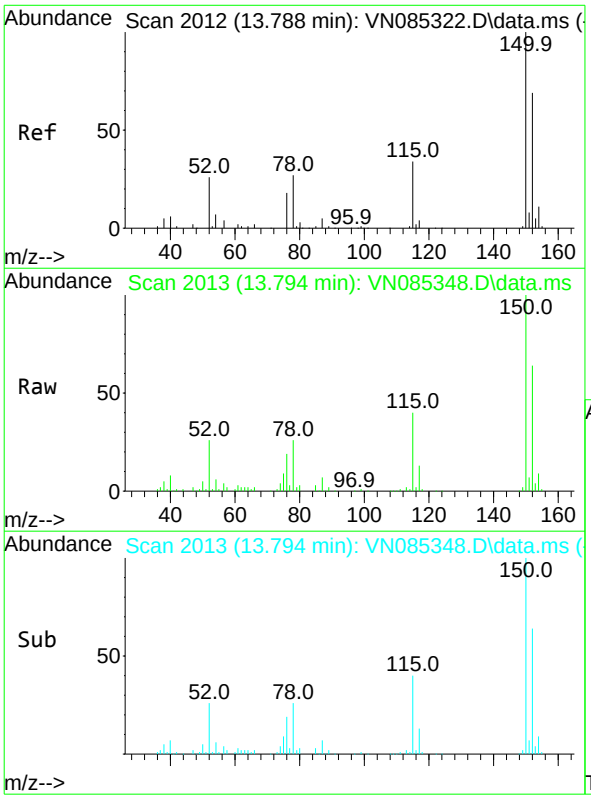
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085348.D
Acq: 30 Dec 2024 16:26

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion:117 Resp: 215313

Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.7	68.5
119	31.3	25.8	38.8

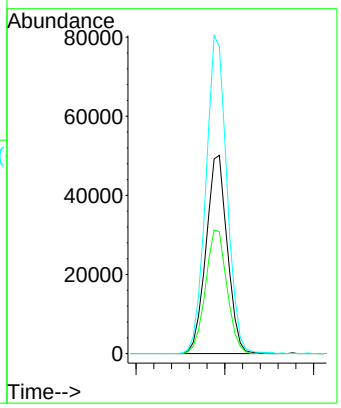




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN085348.D
Acq: 30 Dec 2024 16:26

Tgt Ion:152 Resp: 83413

Ion	Ratio	Lower	Upper
152	100		
115	62.7	30.4	91.3
150	158.6	0.0	345.0



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.: P5369 SAS No.: P5369 SDG No.: P5369

Instrument ID: MSVOA_N Calibration Date(s): 12/27/2024 12/27/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:26 12:48

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

LAB FILE ID: RRF100 = VN085321.D RRF050 = VN085322.D RRF020 = VN085323.D
RRF010 = VN085324.D RRF005 = VN085325.D RRF001 = VN085326.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.677	0.699	0.658	0.699	0.674	0.649	0.676	3
Chloromethane	0.674	0.686	0.737	0.739	0.744	0.980	0.760	14.7
Vinyl Chloride	0.766	0.758	0.827	0.781	0.831	0.859	0.804	5.1
Ethyl Acetate	0.436	0.416	0.475	0.467	0.443	0.486	0.454	5.9
Bromomethane	0.481	0.481	0.535	0.540	0.590		0.526	8.7
Chloroethane	0.490	0.482	0.515	0.516	0.534	0.522	0.510	3.9
Trichlorofluoromethane	1.023	1.022	1.089	1.074	1.078	1.055	1.057	2.7
1,1,2-Trichlorotrifluoroethane	0.584	0.578	0.605	0.614	0.634	0.592	0.601	3.4
Tert butyl alcohol	0.080	0.086	0.093	0.092	0.096		0.089	7.1
1,1-Dichloroethene	0.549	0.538	0.584	0.539	0.598	0.526	0.556	5.1
Acrolein	0.131	0.130	0.140	0.142	0.153		0.139	6.7
Acrylonitrile	0.273	0.275	0.298	0.286	0.278	0.277	0.281	3.3
Acetone	0.218	0.223	0.250	0.233	0.234	0.250	0.235	5.6
Carbon Disulfide	1.551	1.536	1.730	1.607	1.702	2.016	1.690	10.5
Methyl tert-butyl Ether	1.876	1.869	1.934	1.790	1.786	1.581	1.806	6.9
Methyl Acetate	0.689	0.696	0.746	0.728	0.719	0.729	0.718	3
Methylene Chloride	0.606	0.613	0.653	0.624	0.643	0.645	0.631	3
trans-1,2-Dichloroethene	0.567	0.565	0.618	0.569	0.590	0.573	0.580	3.5
Vinyl Acetate	1.485	1.428	1.576	1.357	1.346	1.125	1.386	11.1
1,1-Dichloroethane	1.145	1.119	1.209	1.141	1.170	1.143	1.154	2.7
Cyclohexane	0.984	0.979	1.056	1.055	1.196		1.054	8.3
2-Butanone	0.357	0.367	0.390	0.362	0.368	0.339	0.364	4.5
Carbon Tetrachloride	0.516	0.502	0.534	0.491	0.492	0.452	0.498	5.5
2,2-Dichloropropane	1.021	1.029	1.089	0.995	1.057	0.878	1.011	7.2
cis-1,2-Dichloroethene	0.701	0.691	0.731	0.654	0.662	0.649	0.681	4.7
Bromochloromethane	0.560	0.532	0.540	0.535	0.594	0.457	0.536	8.4
Chloroform	1.155	1.133	1.244	1.161	1.160	1.233	1.181	3.9
1,1,1-Trichloroethane	1.043	1.022	1.099	1.047	1.062	1.055	1.055	2.4
Methylcyclohexane	0.540	0.504	0.513	0.450	0.450	0.387	0.474	11.7
1,1-Dichloropropene	0.480	0.461	0.476	0.442	0.457	0.424	0.457	4.6

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

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.: P5369 SAS No.: P5369 SDG No.: P5369

Instrument ID: MSVOA_N Calibration Date(s): 12/27/2024 12/27/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:26 12:48

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

LAB FILE ID: RRF100 = VN085321.D RRF050 = VN085322.D RRF020 = VN085323.D
RRF010 = VN085324.D RRF005 = VN085325.D RRF001 = VN085326.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
Benzene	1.412	1.377	1.481	1.356	1.387	1.273	1.381	4.9
1,2-Dichloroethane	0.489	0.473	0.546	0.494	0.493	0.475	0.495	5.3
Trichloroethene	0.328	0.311	0.345	0.310	0.324	0.344	0.327	4.7
1,2-Dichloropropane	0.353	0.339	0.377	0.351	0.348	0.336	0.351	4.1
Dibromomethane	0.247	0.240	0.256	0.248	0.250	0.221	0.244	5
Bromodichloromethane	0.526	0.505	0.529	0.510	0.511	0.459	0.507	5
4-Methyl-2-Pentanone	0.442	0.434	0.462	0.427	0.417	0.338	0.420	10.2
Toluene	0.881	0.846	0.892	0.810	0.829	0.674	0.822	9.6
t-1,3-Dichloropropene	0.555	0.529	0.526	0.483	0.498	0.398	0.498	11.1
cis-1,3-Dichloropropene	0.582	0.555	0.585	0.526	0.528	0.457	0.539	8.8
1,1,2-Trichloroethane	0.314	0.306	0.320	0.298	0.328	0.297	0.310	4
1,3-Dichloropropane	0.567	0.555	0.590	0.537	0.553	0.467	0.545	7.7
2-Chloroethyl Vinyl ether	0.249	0.242	0.226	0.232	0.218	0.145	0.219	17.2
2-Hexanone	0.313	0.308	0.327	0.294	0.281	0.226	0.291	12.2
Dibromochloromethane	0.385	0.371	0.378	0.346	0.349	0.269	0.350	12.1
1,2-Dibromoethane	0.318	0.313	0.335	0.309	0.305	0.263	0.307	7.8
Tetrachloroethene	0.321	0.312	0.344	0.331	0.323	0.270	0.317	8.1
Chlorobenzene	1.080	1.049	1.131	1.031	1.067	1.124	1.080	3.7
1,1,1,2-Tetrachloroethane	0.374	0.363	0.391	0.351	0.348	0.349	0.363	4.7
Hexachloroethane	0.618	0.596	0.606	0.551	0.560	0.509	0.573	7.1
Ethyl Benzene	1.970	1.877	1.944	1.715	1.729	1.546	1.797	9.1
m/p-Xylenes	0.746	0.709	0.740	0.634	0.644	0.473	0.658	15.5
o-Xylene	0.708	0.689	0.703	0.611	0.602	0.504	0.636	12.5
Styrene	1.209	1.147	1.172	0.964	0.964	0.730	1.031	17.6
Bromoform	0.273	0.263	0.275	0.247	0.243	0.207	0.251	10.1
Isopropylbenzene	3.905	3.731	3.983	3.596	3.684	2.674	3.596	13.2
1,1,2,2-Tetrachloroethane	1.085	1.064	1.196	1.149	1.176	1.201	1.145	5.1
1,2,3-Trichloropropane	0.825	0.829	0.944	0.957	0.938	1.109	0.934	11.1
Bromobenzene	0.865	0.838	0.919	0.890	0.886	0.946	0.891	4.3
n-propylbenzene	4.634	4.393	4.661	4.259	3.958	3.243	4.191	12.7

* 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,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: CHEM02

Lab Code: CHEM Case No.: P5369 SAS No.: P5369 SDG No.: P5369

Instrument ID: MSVOA_N Calibration Date(s): 12/27/2024 12/27/2024

Heated Purge: (Y/N) N Calibration Time(s): 10:26 12:48

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

LAB FILE ID: RRF100 = VN085321.D RRF050 = VN085322.D RRF020 = VN085323.D
RRF010 = VN085324.D RRF005 = VN085325.D RRF001 = VN085326.D

COMPOUND	RRF100	RRF050	RRF020	RRF010	RRF005	RRF001	$\overline{RRF}$	% RSD
2-Chlorotoluene	2.719	2.636	2.903	2.688	2.724	2.156	2.638	9.6
1,3,5-Trimethylbenzene	3.190	3.066	3.284	2.958	2.880	2.072	2.908	15
4-Chlorotoluene	2.743	2.642	2.919	2.661	2.665	2.310	2.657	7.5
tert-Butylbenzene	2.748	2.597	2.774	2.508	2.504	1.985	2.519	11.3
1,2,4-Trimethylbenzene	3.248	3.120	3.346	2.895	2.720	2.047	2.896	16.4
sec-Butylbenzene	3.917	3.740	3.851	3.538	3.443	2.492	3.497	15
p-Isopropyltoluene	3.324	3.081	3.231	2.852	2.616	1.790	2.816	20.1
1,3-Dichlorobenzene	1.645	1.580	1.732	1.555	1.655	1.523	1.615	4.7
1,4-Dichlorobenzene	1.633	1.568	1.753	1.602	1.666	1.732	1.659	4.4
n-Butylbenzene	2.908	2.723	2.818	2.417	2.364	2.134	2.561	11.8
1,2-Dichlorobenzene	1.529	1.513	1.672	1.592	1.543	1.382	1.538	6.2
1,2-Dibromo-3-Chloropropane	0.195	0.202	0.224	0.200	0.212	0.189	0.204	6.1
1,2,4-Trichlorobenzene	0.805	0.761	0.825	0.732	0.752	0.731	0.768	5.1
Hexachlorobutadiene	0.345	0.340	0.400	0.375	0.412	0.417	0.381	8.9
Naphthalene	2.564	2.528	2.756	2.441	2.381	2.951	2.603	8.2
1,2,3-Trichlorobenzene	0.763	0.746	0.811	0.768	0.787	0.728	0.767	3.8
1,2-Dichloroethane-d4	0.715	0.717	0.684	0.692	0.757		0.713	4
Dibromofluoromethane	0.315	0.317	0.293	0.304	0.330		0.312	4.5
Toluene-d8	1.189	1.161	1.070	1.075	1.229		1.145	6.1
4-Bromofluorobenzene	0.407	0.401	0.362	0.347	0.383		0.380	6.6

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N122724W.M
Title : SW846 8260
Last Update : Sat Dec 28 01:36:16 2024
Response Via : Initial Calibration

Calibration Files
1 =VN085326.D 5 =VN085325.D 10 =VN085324.D 20 =VN085323.D 50 =VN085322.D 100 =VN085321.D

		Compound	1	5	10	20	50	100	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.649	0.674	0.699	0.658	0.699	0.677	0.676	3.04
3)	P	Chloromethane	0.980	0.744	0.739	0.737	0.686	0.674	0.760	14.72
4)	C	Vinyl Chloride	0.859	0.831	0.781	0.827	0.758	0.766	0.804	5.12#
5)	T	Bromomethane		0.590	0.540	0.535	0.481	0.481	0.526	8.73
6)	T	Chloroethane	0.522	0.534	0.516	0.515	0.482	0.490	0.510	3.87
7)	T	Trichlorofluor...	1.055	1.078	1.074	1.089	1.022	1.023	1.057	2.72
8)	T	Diethyl Ether	0.283	0.363	0.361	0.373	0.357	0.362	0.350	9.45
9)	T	1,1,2-Trichlor...	0.592	0.634	0.614	0.605	0.578	0.584	0.601	3.44
10)	T	Methyl Iodide		0.666	0.666	0.722	0.716	0.709	0.696	3.92
11)	T	Tert butyl alc...		0.096	0.092	0.093	0.086	0.080	0.089	7.11
12)	CM	1,1-Dichloroet...	0.526	0.598	0.539	0.584	0.538	0.549	0.556	5.11#
13)	T	Acrolein		0.153	0.142	0.140	0.130	0.131	0.139	6.69
14)	T	Allyl chloride	0.915	0.890	0.900	0.909	0.855	0.867	0.889	2.65
15)	T	Acrylonitrile	0.277	0.278	0.286	0.298	0.275	0.273	0.281	3.29
16)	T	Acetone	0.250	0.234	0.233	0.250	0.223	0.218	0.235	5.60
17)	T	Carbon Disulfide	2.016	1.702	1.607	1.730	1.536	1.551	1.690	10.52
18)	T	Methyl Acetate	0.729	0.719	0.728	0.746	0.696	0.689	0.718	3.03
19)	T	Methyl tert-bu...	1.581	1.786	1.790	1.934	1.869	1.876	1.806	6.86
20)	T	Methylene Chlo...	0.645	0.643	0.624	0.653	0.613	0.606	0.631	3.02
21)	T	trans-1,2-Dich...	0.573	0.590	0.569	0.618	0.565	0.567	0.580	3.52
22)	T	Diisopropyl ether	1.602	1.980	1.910	2.062	1.946	1.997	1.916	8.47
23)	T	Vinyl Acetate	1.125	1.346	1.357	1.576	1.428	1.485	1.386	11.09
24)	P	1,1-Dichloroet...	1.143	1.170	1.141	1.209	1.119	1.145	1.154	2.72
25)	T	2-Butanone	0.339	0.368	0.362	0.390	0.367	0.357	0.364	4.51
26)	T	2,2-Dichloropr...	0.878	1.057	0.995	1.089	1.029	1.021	1.011	7.21
27)	T	cis-1,2-Dichlo...	0.649	0.662	0.654	0.731	0.691	0.701	0.681	4.72
28)	T	Bromochloromet...	0.457	0.594	0.535	0.540	0.532	0.560	0.536	8.40
29)	T	Tetrahydrofuran	0.204	0.230	0.238	0.255	0.239	0.240	0.234	7.19
30)	C	Chloroform	1.233	1.160	1.161	1.244	1.133	1.155	1.181	3.86#
31)	T	Cyclohexane		1.196	1.055	1.056	0.979	0.984	1.054	8.30
32)	T	1,1,1-Trichlor...	1.055	1.062	1.047	1.099	1.022	1.043	1.055	2.44
33)	S	1,2-Dichloroet...		0.757	0.692	0.684	0.717	0.715	0.713	3.99
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.330	0.304	0.293	0.317	0.315	0.312	4.48
36)	T	1,1-Dichloropr...	0.424	0.457	0.442	0.476	0.461	0.480	0.457	4.59
37)	T	Ethyl Acetate	0.486	0.443	0.467	0.475	0.416	0.436	0.454	5.87
38)	T	Carbon Tetrach...	0.452	0.492	0.491	0.534	0.502	0.516	0.498	5.52
39)	T	Methylcyclohexane	0.387	0.450	0.450	0.513	0.504	0.540	0.474	11.72
40)	TM	Benzene	1.273	1.387	1.356	1.481	1.377	1.412	1.381	4.95
41)	T	Methacrylonitrile	0.183	0.237	0.242	0.245	0.236	0.251	0.232	10.70
42)	TM	1,2-Dichloroet...	0.475	0.493	0.494	0.546	0.473	0.489	0.495	5.33
43)	T	Isopropyl Acetate	0.732	0.720	0.721	0.789	0.745	0.778	0.747	3.94
44)	TM	Trichloroethene	0.344	0.324	0.310	0.345	0.311	0.328	0.327	4.66
45)	C	1,2-Dichloropr...	0.336	0.348	0.351	0.377	0.339	0.353	0.351	4.09#
46)	T	Dibromomethane	0.221	0.250	0.248	0.256	0.240	0.247	0.244	4.98
47)	T	Bromodichlorom...	0.459	0.511	0.510	0.529	0.505	0.526	0.507	4.99
48)	T	Methyl methacr...	0.267	0.316	0.313	0.353	0.343	0.354	0.324	10.19
49)	T	1,4-Dioxane	0.003	0.005	0.005	0.006	0.005	0.005	0.005	19.47
50)	S	Toluene-d8		1.229	1.075	1.070	1.161	1.189	1.145	6.12
51)	T	4-Methyl-2-Pen...	0.338	0.417	0.427	0.462	0.434	0.442	0.420	10.25
52)	CM	Toluene	0.674	0.829	0.810	0.892	0.846	0.881	0.822	9.57#
53)	T	t-1,3-Dichloro...	0.398	0.498	0.483	0.526	0.529	0.555	0.498	11.10
54)	T	cis-1,3-Dichlo...	0.457	0.528	0.526	0.585	0.555	0.582	0.539	8.82
55)	T	1,1,2-Trichlor...	0.297	0.328	0.298	0.320	0.306	0.314	0.310	4.02

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N122724W.M

56)	T	Ethyl methacry...	0.324	0.391	0.455	0.508	0.503	0.532	0.452	17.74
57)	T	1,3-Dichloropr...	0.467	0.553	0.537	0.590	0.555	0.567	0.545	7.67
58)	T	2-Chloroethyl ...	0.145	0.218	0.232	0.226	0.242	0.249	0.219	17.21
59)	T	2-Hexanone	0.226	0.281	0.294	0.327	0.308	0.313	0.291	12.24
60)	T	Dibromochlorom...	0.269	0.349	0.346	0.378	0.371	0.385	0.350	12.13
61)	T	1,2-Dibromoethane	0.263	0.305	0.309	0.335	0.313	0.318	0.307	7.82
62)	S	4-Bromofluorob...		0.383	0.347	0.362	0.401	0.407	0.380	6.65
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.270	0.323	0.331	0.344	0.312	0.321	0.317	8.07
65)	PM	Chlorobenzene	1.124	1.067	1.031	1.131	1.049	1.080	1.080	3.72
66)	T	1,1,1,2-Tetrac...	0.349	0.348	0.351	0.391	0.363	0.374	0.363	4.71
67)	C	Ethyl Benzene	1.546	1.729	1.715	1.944	1.877	1.970	1.797	9.06#
68)	T	m/p-Xylenes	0.473	0.644	0.634	0.740	0.709	0.746	0.658	15.51
69)	T	o-Xylene	0.504	0.602	0.611	0.703	0.689	0.708	0.636	12.49
70)	T	Styrene	0.730	0.964	0.964	1.172	1.147	1.209	1.031	17.58
71)	P	Bromoform	0.207	0.243	0.247	0.275	0.263	0.273	0.251	10.05
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.674	3.684	3.596	3.983	3.731	3.905	3.596	13.17
74)	T	N-amyl acetate	1.279	1.432	1.485	1.733	1.621	1.685	1.539	11.17
75)	P	1,1,2,2-Tetrac...	1.201	1.176	1.149	1.196	1.064	1.085	1.145	5.09
76)	T	1,2,3-Trichlor...	1.109	0.938	0.957	0.944	0.829	0.825	0.934	11.12
77)	T	Bromobenzene	0.946	0.886	0.890	0.919	0.838	0.865	0.891	4.28
78)	T	n-propylbenzene	3.243	3.958	4.259	4.661	4.393	4.634	4.191	12.70
79)	T	2-Chlorotoluene	2.156	2.724	2.688	2.903	2.636	2.719	2.638	9.57
80)	T	1,3,5-Trimethy...	2.072	2.880	2.958	3.284	3.066	3.190	2.908	14.97
81)	T	trans-1,4-Dich...		0.341	0.375	0.416	0.403	0.414	0.390	8.16
82)	T	4-Chlorotoluene	2.310	2.665	2.661	2.919	2.642	2.743	2.657	7.47
83)	T	tert-Butylbenzene	1.985	2.504	2.508	2.774	2.597	2.748	2.519	11.35
84)	T	1,2,4-Trimethy...	2.047	2.720	2.895	3.346	3.120	3.248	2.896	16.41
85)	T	sec-Butylbenzene	2.492	3.443	3.538	3.851	3.740	3.917	3.497	14.99
86)	T	p-Isopropyltol...	1.790	2.616	2.851	3.231	3.081	3.324	2.816	20.05
87)	T	1,3-Dichlorobe...	1.523	1.655	1.555	1.732	1.580	1.645	1.615	4.74
88)	T	1,4-Dichlorobe...	1.732	1.666	1.602	1.753	1.568	1.633	1.659	4.39
89)	T	n-Butylbenzene	2.134	2.364	2.417	2.818	2.723	2.908	2.561	11.76
90)	T	Hexachloroethane	0.509	0.560	0.551	0.606	0.596	0.618	0.573	7.12
91)	T	1,2-Dichlorobe...	1.382	1.543	1.592	1.672	1.513	1.529	1.538	6.22
92)	T	1,2-Dibromo-3-...	0.189	0.212	0.200	0.224	0.202	0.195	0.204	6.07
93)	T	1,2,4-Trichlor...	0.731	0.752	0.732	0.825	0.761	0.805	0.768	5.07
94)	T	Hexachlorobuta...	0.417	0.412	0.375	0.400	0.340	0.345	0.381	8.89
95)	T	Naphthalene	2.951	2.381	2.441	2.756	2.528	2.564	2.603	8.20
96)	T	1,2,3-Trichlor...	0.728	0.787	0.768	0.811	0.746	0.763	0.767	3.82

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:10:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	156166	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	274313	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	239296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	223438	100.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 200.620%#			
35) Dibromofluoromethane	8.159	113	173043	101.117	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 202.240%#			
50) Toluene-d8	10.565	98	652176	103.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 207.700%#			
62) 4-Bromofluorobenzene	12.847	95	223549	107.189	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 214.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	211530	100.154	ug/l	98
3) Chloromethane	2.359	50	210461	88.661	ug/l	95
4) Vinyl Chloride	2.512	62	239141	95.258	ug/l	97
5) Bromomethane	2.948	94	150300	91.543	ug/l	95
6) Chloroethane	3.118	64	153144	96.191	ug/l	98
7) Trichlorofluoromethane	3.500	101	319456	96.803	ug/l	98
8) Diethyl Ether	3.953	74	113060	103.470	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	182437	97.166	ug/l	98
10) Methyl Iodide	4.589	142	221288	101.834	ug/l	96
11) Tert butyl alcohol	5.512	59	125490	449.925	ug/l	98
12) 1,1-Dichloroethene	4.342	96	171462	98.802	ug/l	99
13) Acrolein	4.171	56	204340	469.915	ug/l	97
14) Allyl chloride	5.018	41	270904	97.537	ug/l	99
15) Acrylonitrile	5.712	53	425762	485.009	ug/l	99
16) Acetone	4.418	43	340922	465.473	ug/l	98
17) Carbon Disulfide	4.712	76	484441	91.760	ug/l	100
18) Methyl Acetate	5.018	43	215207	95.974	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	586031	103.894	ug/l	99
20) Methylene Chloride	5.271	84	189358	96.119	ug/l	98
21) trans-1,2-Dichloroethene	5.783	96	177119	97.703	ug/l	99
22) Diisopropyl ether	6.665	45	623798	104.224	ug/l	99
23) Vinyl Acetate	6.594	43	2319612	539.108	ug/l	98
24) 1,1-Dichloroethane	6.559	63	357527	99.165	ug/l	99
25) 2-Butanone	7.471	43	557035	490.229	ug/l	99
26) 2,2-Dichloropropane	7.488	77	318743	100.909	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	218963	102.909	ug/l	97
28) Bromochloromethane	7.806	49	174969	104.430	ug/l #	98
29) Tetrahydrofuran	7.830	42	374323	511.419	ug/l	99
30) Chloroform	7.959	83	360866	97.837	ug/l	98
31) Cyclohexane	8.253	56	307196	93.310	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	325760	98.891	ug/l	97
36) 1,1-Dichloropropene	8.365	75	263076	104.994	ug/l	99
37) Ethyl Acetate	7.553	43	239186	96.040	ug/l	99
38) Carbon Tetrachloride	8.359	117	282846	103.563	ug/l	97
39) Methylcyclohexane	9.594	83	296114	113.903	ug/l	98
40) Benzene	8.600	78	774590	102.248	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:10:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.771	41	137768	108.014 ug/l	99
42) 1,2-Dichloroethane	8.665	62	268298	98.781 ug/l	99
43) Isopropyl Acetate	8.682	43	426602	104.030 ug/l	100
44) Trichloroethene	9.347	130	179832	100.266 ug/l	97
45) 1,2-Dichloropropane	9.618	63	193438	100.585 ug/l	99
46) Dibromomethane	9.700	93	135558	101.355 ug/l	99
47) Bromodichloromethane	9.882	83	288439	103.761 ug/l	98
48) Methyl methacrylate	9.677	41	194022	109.038 ug/l	98
49) 1,4-Dioxane	9.688	88	56273	2096.049 ug/l #	85
51) 4-Methyl-2-Pentanone	10.441	43	1211949	525.905 ug/l	99
52) Toluene	10.624	92	483534	107.195 ug/l	100
53) t-1,3-Dichloropropene	10.829	75	304711	111.463 ug/l	98
54) cis-1,3-Dichloropropene	10.306	75	319172	107.971 ug/l	99
55) 1,1,2-Trichloroethane	11.012	97	172065	101.034 ug/l	96
56) Ethyl methacrylate	10.871	69	292009	117.730 ug/l	99
57) 1,3-Dichloropropane	11.159	76	311119	104.087 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.153	63	682916	569.087 ug/l	99
59) 2-Hexanone	11.188	43	858322	536.829 ug/l	99
60) Dibromochloromethane	11.353	129	211482	110.251 ug/l	98
61) 1,2-Dibromoethane	11.465	107	174500	103.568 ug/l	99
64) Tetrachloroethene	11.100	164	153652	101.335 ug/l	97
65) Chlorobenzene	11.888	112	516861	99.951 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	179160	103.229 ug/l	99
67) Ethyl Benzene	11.959	91	942995	109.652 ug/l	100
68) m/p-Xylenes	12.065	106	713871	226.828 ug/l	100
69) o-Xylene	12.394	106	338950	111.332 ug/l	98
70) Styrene	12.406	104	578718	117.286 ug/l	99
71) Bromoform	12.570	173	130453	108.523 ug/l #	100
73) Isopropylbenzene	12.688	105	865504	108.621 ug/l	100
74) N-amyl acetate	12.488	43	373392	109.477 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	240405	94.731 ug/l	98
76) 1,2,3-Trichloropropane	12.988	75	182933m	85.937 ug/l	
77) Bromobenzene	12.976	156	191802	97.157 ug/l	99
78) n-propylbenzene	13.029	91	1026870	110.557 ug/l	100
79) 2-Chlorotoluene	13.123	91	602668	103.099 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	706917	109.682 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	91679	106.602 ug/l	98
82) 4-Chlorotoluene	13.217	91	607903	103.257 ug/l	100
83) tert-Butylbenzene	13.435	119	608882	109.059 ug/l	98
84) 1,2,4-Trimethylbenzene	13.476	105	719806	112.160 ug/l	98
85) sec-Butylbenzene	13.612	105	867992	112.004 ug/l	100
86) p-Isopropyltoluene	13.723	119	736735	100.116 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	364480	101.845 ug/l	100
88) 1,4-Dichlorobenzene	13.806	146	361871	98.438 ug/l	100
89) n-Butylbenzene	14.053	91	644347	113.544 ug/l	99
90) Hexachloroethane	14.329	117	136982	107.835 ug/l	100
91) 1,2-Dichlorobenzene	14.100	146	338794	99.377 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	43244	95.745 ug/l	96
93) 1,2,4-Trichlorobenzene	15.388	180	178476	104.895 ug/l	100
94) Hexachlorobutadiene	15.494	225	76348	90.312 ug/l	99
95) Naphthalene	15.635	128	568171	98.477 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	168986	99.403 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:10:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 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

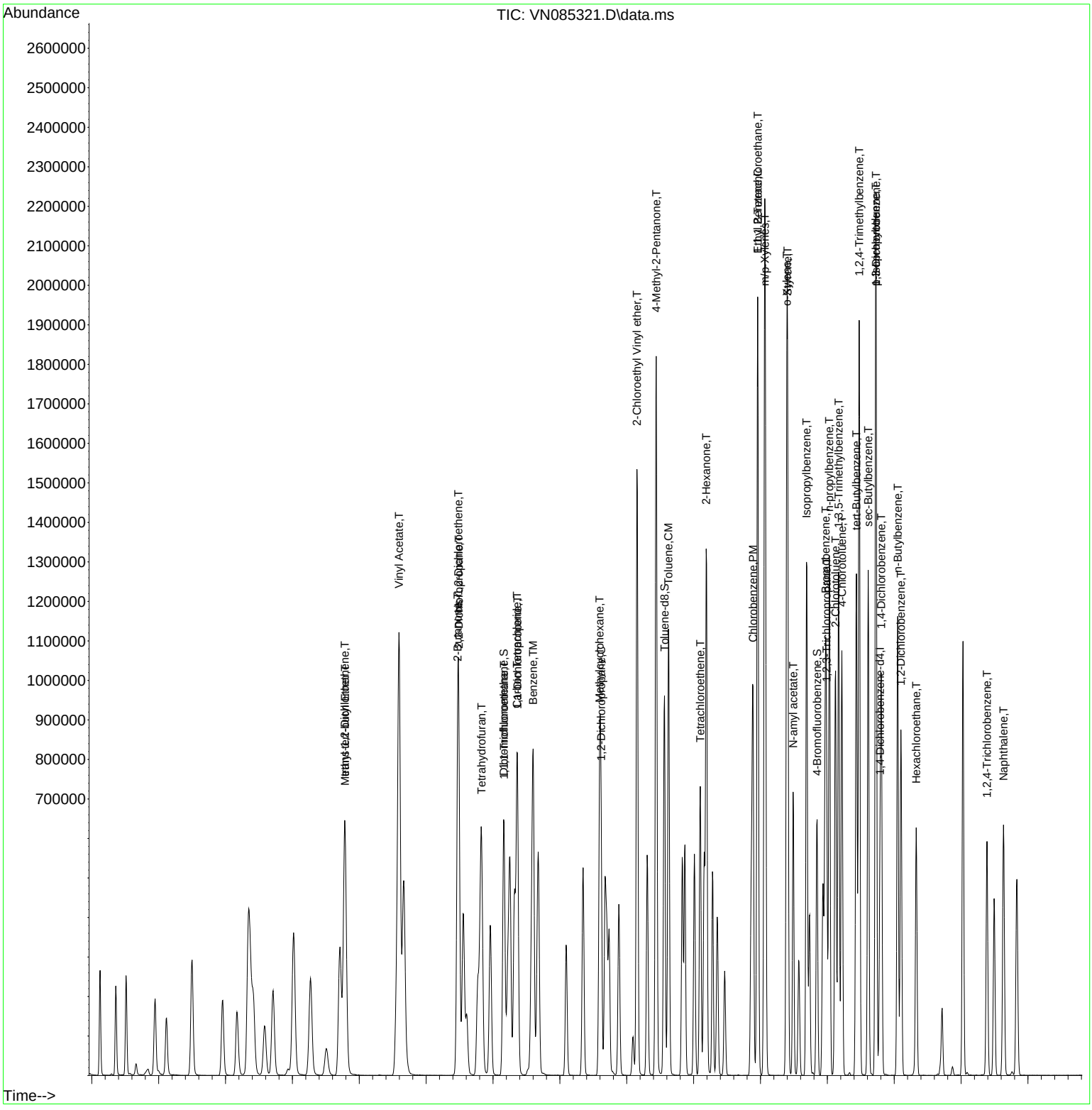
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085321.D
Acq On : 27 Dec 2024 10:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 28 01:10:14 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 28 01:13:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone
12/30/2024
Supervised By :Mahesh Dadoda
12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	155532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	278404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	240680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113462	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	111594	50.305	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.620%			
35) Dibromofluoromethane	8.159	113	88275	50.825	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.660%			
50) Toluene-d8	10.559	98	323100	50.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.847	95	111548	52.700	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	108746	51.698	ug/l	100
3) Chloromethane	2.359	50	106659	45.115	ug/l	100
4) Vinyl Chloride	2.512	62	117884	47.149	ug/l	100
5) Bromomethane	2.959	94	74886	45.796	ug/l	100
6) Chloroethane	3.124	64	74955	47.272	ug/l	100
7) Trichlorofluoromethane	3.500	101	158878	48.340	ug/l	100
8) Diethyl Ether	3.959	74	55553	51.048	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	89878	48.064	ug/l	100
10) Methyl Iodide	4.594	142	111290	51.423	ug/l	100
11) Tert butyl alcohol	5.512	59	66517	239.459	ug/l	100
12) 1,1-Dichloroethene	4.342	96	83691	48.422	ug/l	100
13) Acrolein	4.177	56	101450	234.253	ug/l	100
14) Allyl chloride	5.018	41	133004	48.082	ug/l	100
15) Acrylonitrile	5.712	53	213836	244.585	ug/l	100
16) Acetone	4.418	43	173280	237.550	ug/l	100
17) Carbon Disulfide	4.712	76	238824	45.421	ug/l	100
18) Methyl Acetate	5.018	43	108199	48.449	ug/l	100
19) Methyl tert-butyl Ether	5.788	73	290643	51.737	ug/l	100
20) Methylene Chloride	5.271	84	95357	48.601	ug/l	100
21) trans-1,2-Dichloroethene	5.783	96	87901	48.686	ug/l	100
22) Diisopropyl ether	6.665	45	302742	50.788	ug/l	100
23) Vinyl Acetate	6.594	43	1110592	259.168	ug/l	100
24) 1,1-Dichloroethane	6.565	63	173999	48.458	ug/l	100
25) 2-Butanone	7.477	43	285403	252.198	ug/l	100
26) 2,2-Dichloropropane	7.482	77	160118	50.897	ug/l	100
27) cis-1,2-Dichloroethene	7.482	96	107476	50.718	ug/l	100
28) Bromochloromethane	7.806	49	82793	49.616	ug/l #	100
29) Tetrahydrofuran	7.830	42	185555	254.548	ug/l	100
30) Chloroform	7.959	83	176294	47.991	ug/l	100
31) Cyclohexane	8.253	56	152319	46.455	ug/l	100
32) 1,1,1-Trichloroethane	8.165	97	158921	48.441	ug/l	100
36) 1,1-Dichloropropene	8.365	75	128454	50.513	ug/l	100
37) Ethyl Acetate	7.553	43	115871	45.842	ug/l	100
38) Carbon Tetrachloride	8.359	117	139705	50.401	ug/l	100
39) Methylcyclohexane	9.594	83	140293	53.172	ug/l	100
40) Benzene	8.600	78	383405	49.867	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 28 01:13:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone
12/30/2024
Supervised By :Mahesh Dadoda
12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	65714	50.764	ug/l		100
42) 1,2-Dichloroethane	8.665	62	131673	47.766	ug/l		100
43) Isopropyl Acetate	8.682	43	207309	49.811	ug/l		100
44) Trichloroethene	9.347	130	86607	47.578	ug/l		100
45) 1,2-Dichloropropane	9.612	63	94480	48.407	ug/l		100
46) Dibromomethane	9.706	93	66895	49.281	ug/l		100
47) Bromodichloromethane	9.882	83	140475	49.791	ug/l		100
48) Methyl methacrylate	9.676	41	95506	52.885	ug/l		100
49) 1,4-Dioxane	9.688	88	29967	1099.805	ug/l		100
51) 4-Methyl-2-Pentanone	10.441	43	604417	258.422	ug/l		100
52) Toluene	10.623	92	235625	51.469	ug/l		100
53) t-1,3-Dichloropropene	10.829	75	147289	53.087	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	154618	51.536	ug/l		100
55) 1,1,2-Trichloroethane	11.012	97	85262	49.329	ug/l		100
56) Ethyl methacrylate	10.871	69	139960	55.599	ug/l		100
57) 1,3-Dichloropropane	11.159	76	154391	50.893	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.153	63	336991	276.695	ug/l		100
59) 2-Hexanone	11.194	43	428174	263.862	ug/l		100
60) Dibromochloromethane	11.353	129	103179	52.999	ug/l		100
61) 1,2-Dibromoethane	11.465	107	87157	50.969	ug/l		100
64) Tetrachloroethene	11.100	164	75140	49.270	ug/l		100
65) Chlorobenzene	11.888	112	252514	48.550	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	87333	50.030	ug/l		100
67) Ethyl Benzene	11.959	91	451752	52.228	ug/l		100
68) m/p-Xylenes	12.065	106	341420	107.860	ug/l		100
69) o-Xylene	12.394	106	165724	54.121	ug/l		100
70) Styrene	12.406	104	276012	55.616	ug/l		100
71) Bromoform	12.570	173	63268	52.330	ug/l	#	100
73) Isopropylbenzene	12.688	105	423362	51.888	ug/l		100
74) N-amyl acetate	12.488	43	183943	52.669	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	120681	46.441	ug/l		100
76) 1,2,3-Trichloropropane	12.988	75	94097m	43.170	ug/l		
77) Bromobenzene	12.976	156	95126	47.058	ug/l		100
78) n-propylbenzene	13.029	91	498392	52.403	ug/l		100
79) 2-Chlorotoluene	13.123	91	299107	49.970	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	347857	52.709	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.729	75	45749m	51.950	ug/l		
82) 4-Chlorotoluene	13.217	91	299712	49.717	ug/l		100
83) tert-Butylbenzene	13.435	119	294653	51.541	ug/l		100
84) 1,2,4-Trimethylbenzene	13.476	105	354037	53.875	ug/l		100
85) sec-Butylbenzene	13.611	105	424353	53.476	ug/l		100
86) p-Isopropyltoluene	13.723	119	349527	49.276	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	179301	48.928	ug/l		100
88) 1,4-Dichlorobenzene	13.806	146	177873	47.253	ug/l		100
89) n-Butylbenzene	14.053	91	309010	53.178	ug/l		100
90) Hexachloroethane	14.329	117	67607	51.976	ug/l		100
91) 1,2-Dichlorobenzene	14.100	146	171657	49.173	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.711	75	22952	49.627	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	86363	49.570	ug/l		100
94) Hexachlorobutadiene	15.494	225	38529	44.509	ug/l		100
95) Naphthalene	15.635	128	286887	48.560	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	84633	48.618	ug/l		100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 28 01:13:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone
12/30/2024
Supervised By :Mahesh Dadoda
12/30/2024

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\VN122724\
Data File : VN085322.D
Acq On : 27 Dec 2024 10:50
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 28 01:13:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

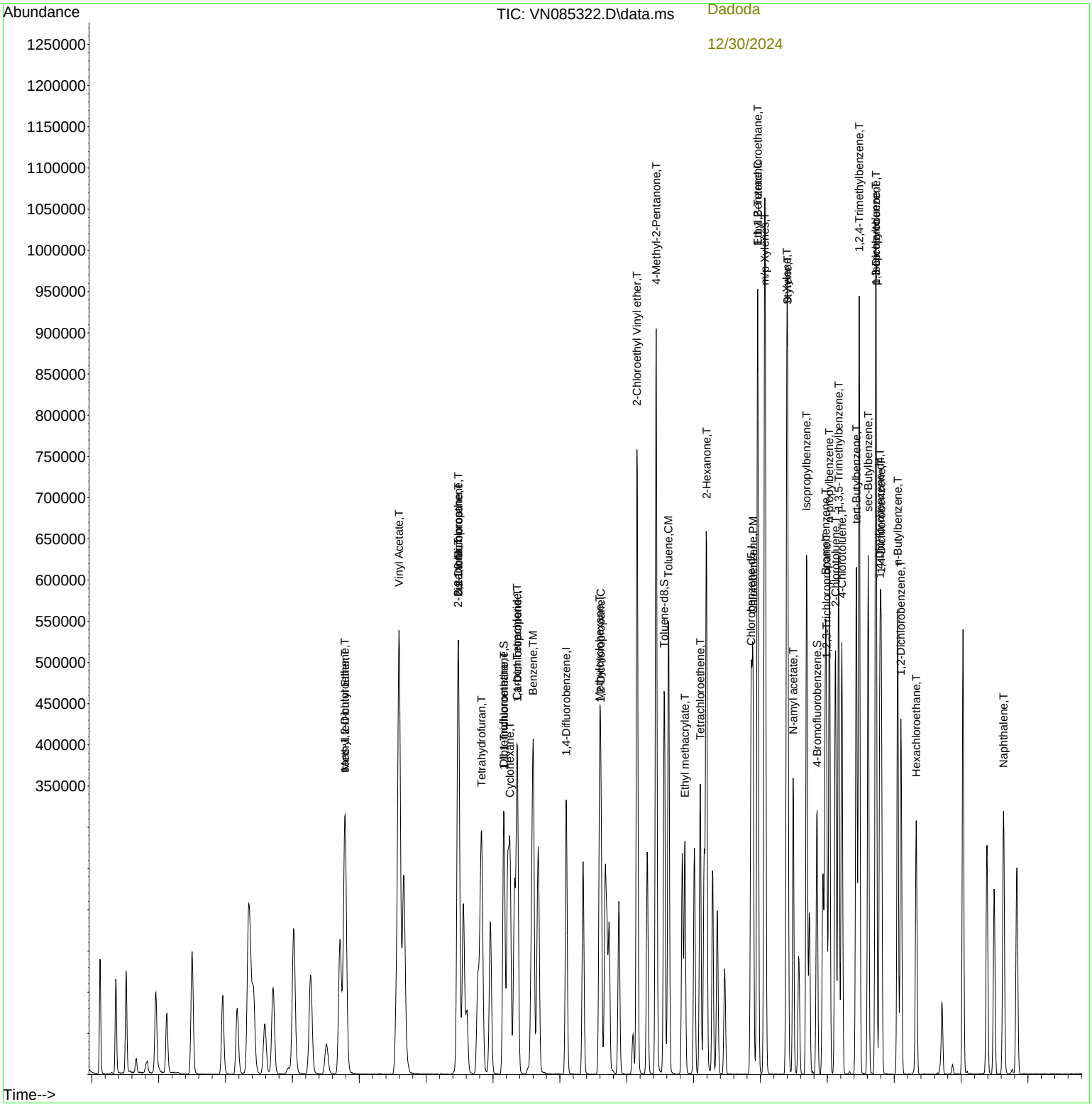
Manual Integrations APPROVED

Reviewed By :John Carlone

12/30/2024

Supervised By :Mahesh Dadoda

12/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:13:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	146535	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	261564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	224166	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	100909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	40091	19.182	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 38.360%#			
35) Dibromofluoromethane	8.159	113	30693	18.810	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 37.620%#			
50) Toluene-d8	10.565	98	111985	18.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 37.400%#			
62) 4-Bromofluorobenzene	12.847	95	37918	19.067	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 38.140%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	38592	19.473	ug/l	98
3) Chloromethane	2.359	50	43217	19.403	ug/l	97
4) Vinyl Chloride	2.512	62	48485	20.583	ug/l	93
5) Bromomethane	2.953	94	31343	20.345	ug/l	99
6) Chloroethane	3.112	64	30158	20.188	ug/l	97
7) Trichlorofluoromethane	3.500	101	63811	20.607	ug/l	96
8) Diethyl Ether	3.959	74	21865	21.325	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.371	101	35482	20.140	ug/l	97
10) Methyl Iodide	4.589	142	42319	20.755	ug/l	91
11) Tert butyl alcohol	5.512	59	27123	103.637	ug/l	100
12) 1,1-Dichloroethene	4.342	96	34208	21.007	ug/l	96
13) Acrolein	4.177	56	40956	100.376	ug/l	98
14) Allyl chloride	5.018	41	53265	20.438	ug/l	100
15) Acrylonitrile	5.718	53	87221	105.889	ug/l	98
16) Acetone	4.424	43	73157	106.449	ug/l	97
17) Carbon Disulfide	4.712	76	101412	20.471	ug/l	98
18) Methyl Acetate	5.024	43	43744	20.790	ug/l	99
19) Methyl tert-butyl Ether	5.794	73	113371	21.420	ug/l	97
20) Methylene Chloride	5.277	84	38285	20.711	ug/l	99
21) trans-1,2-Dichloroethene	5.783	96	36209	21.286	ug/l	91
22) Diisopropyl ether	6.665	45	120874	21.523	ug/l	99
23) Vinyl Acetate	6.600	43	461817m	114.387	ug/l	
24) 1,1-Dichloroethane	6.565	63	70880	20.952	ug/l	97
25) 2-Butanone	7.477	43	114225	107.133	ug/l	96
26) 2,2-Dichloropropane	7.483	77	63819	21.532	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	42857	21.466	ug/l	97
28) Bromochloromethane	7.806	49	31632	20.120	ug/l #	99
29) Tetrahydrofuran	7.835	42	74837	108.966	ug/l	99
30) Chloroform	7.965	83	72892	21.061	ug/l	95
31) Cyclohexane	8.253	56	61911	20.041	ug/l	95
32) 1,1,1-Trichloroethane	8.165	97	64420	20.841	ug/l	92
36) 1,1-Dichloropropene	8.365	75	49840	20.861	ug/l	98
37) Ethyl Acetate	7.553	43	49720	20.937	ug/l	99
38) Carbon Tetrachloride	8.359	117	55847	21.445	ug/l	94
39) Methylcyclohexane	9.600	83	53626	21.633	ug/l	100
40) Benzene	8.606	78	154946	21.450	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 28 01:13:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	25636	21.079 ug/l		98
42) 1,2-Dichloroethane	8.665	62	57096	22.046 ug/l		98
43) Isopropyl Acetate	8.682	43	82570	21.117 ug/l		99
44) Trichloroethene	9.347	130	36092	21.104 ug/l		96
45) 1,2-Dichloropropane	9.618	63	39400	21.486 ug/l		93
46) Dibromomethane	9.706	93	26782	21.000 ug/l		98
47) Bromodichloromethane	9.882	83	55383	20.894 ug/l		93
48) Methyl methacrylate	9.677	41	36893	21.744 ug/l		98
49) 1,4-Dioxane	9.694	88	11804	461.104 ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	241756	110.019 ug/l		100
52) Toluene	10.624	92	93343	21.702 ug/l		100
53) t-1,3-Dichloropropene	10.829	75	55084	21.132 ug/l		94
54) cis-1,3-Dichloropropene	10.306	75	61217	21.718 ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	33459	20.604 ug/l		96
56) Ethyl methacrylate	10.871	69	53114	22.458 ug/l		98
57) 1,3-Dichloropropane	11.159	76	61684	21.643 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	118474	103.539 ug/l		100
59) 2-Hexanone	11.194	43	170875	112.081 ug/l		100
60) Dibromochloromethane	11.359	129	39538	21.617 ug/l		98
61) 1,2-Dibromoethane	11.465	107	35034	21.807 ug/l		98
64) Tetrachloroethene	11.100	164	30849	21.718 ug/l		96
65) Chlorobenzene	11.888	112	101427	20.938 ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	35030	21.546 ug/l		97
67) Ethyl Benzene	11.959	91	174337	21.640 ug/l		100
68) m/p-Xylenes	12.065	106	132648	44.993 ug/l		100
69) o-Xylene	12.394	106	63003	22.091 ug/l		95
70) Styrene	12.406	104	105054	22.728 ug/l		99
71) Bromoform	12.570	173	24644	21.885 ug/l	#	98
73) Isopropylbenzene	12.694	105	160752	22.153 ug/l		98
74) N-amyl acetate	12.488	43	69938	22.517 ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	48294	20.897 ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	38100m	19.654 ug/l		
77) Bromobenzene	12.976	156	37077	20.623 ug/l		98
78) n-propylbenzene	13.029	91	188143	22.243 ug/l		99
79) 2-Chlorotoluene	13.123	91	117169	22.010 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	132546	22.582 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	16798	21.448 ug/l		99
82) 4-Chlorotoluene	13.217	91	117825	21.976 ug/l		97
83) tert-Butylbenzene	13.435	119	111983	22.025 ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	135046	23.107 ug/l		99
85) sec-Butylbenzene	13.612	105	155451	22.026 ug/l		98
86) p-Isopropyltoluene	13.723	119	130425	21.487 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	69890	21.444 ug/l		98
88) 1,4-Dichlorobenzene	13.806	146	70759	21.136 ug/l		99
89) n-Butylbenzene	14.053	91	113729	22.006 ug/l		99
90) Hexachloroethane	14.329	117	24441	21.128 ug/l		95
91) 1,2-Dichlorobenzene	14.100	146	67480	21.735 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	9030	21.954 ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	33300	21.491 ug/l		99
94) Hexachlorobutadiene	15.500	225	16152	20.980 ug/l		97
95) Naphthalene	15.635	128	111233	21.170 ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	32729	21.140 ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:13:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 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

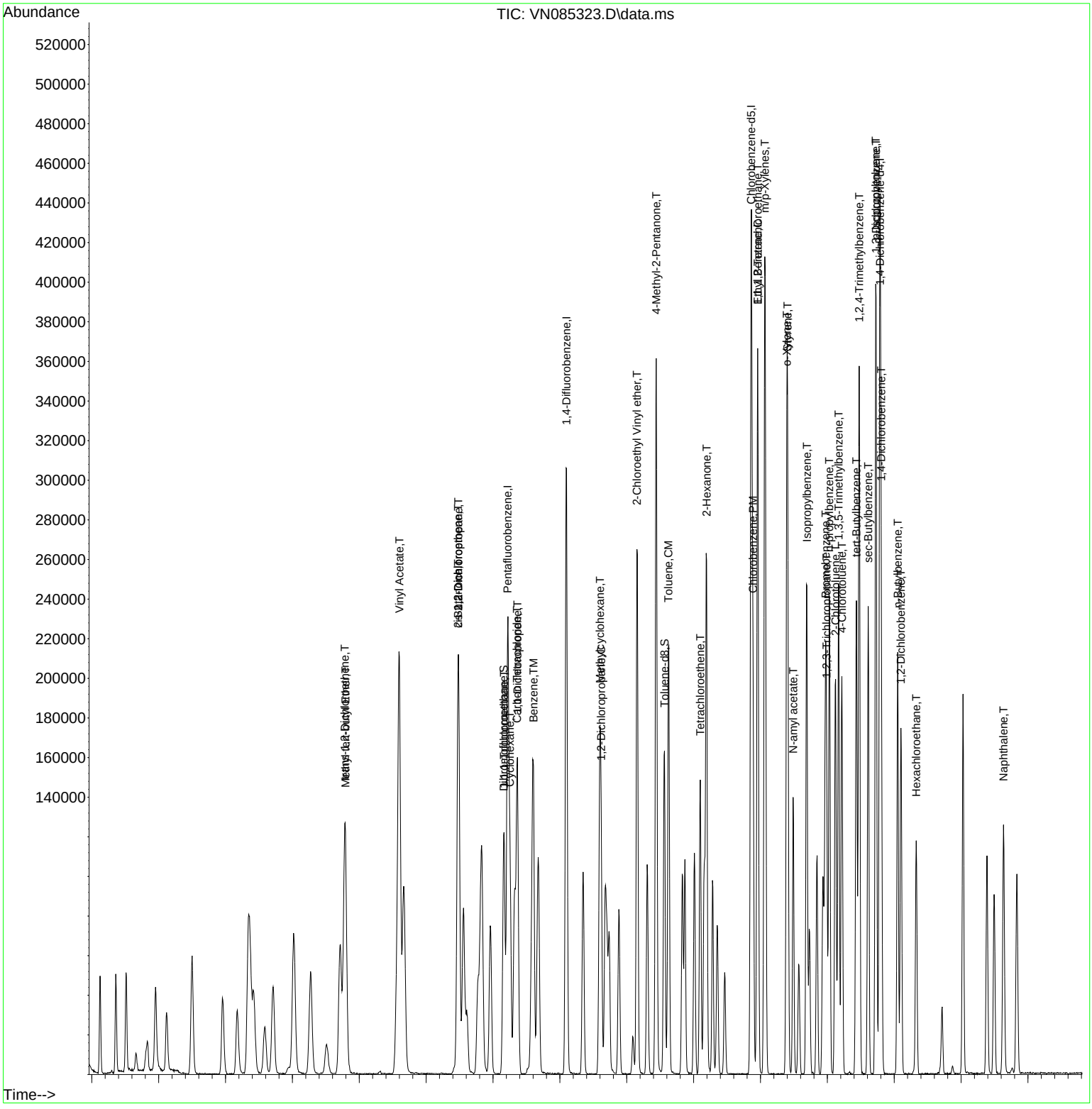
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085323.D
Acq On : 27 Dec 2024 11:13
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 28 01:13:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	139803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	249332	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	215410	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	91601	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	19346	9.702	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 19.400%#			
35) Dibromofluoromethane	8.159	113	15144	9.736	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 19.480%#			
50) Toluene-d8	10.565	98	53607	9.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 18.780%#			
62) 4-Bromofluorobenzene	12.841	95	17328	9.141	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 18.280%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	19552	10.341	ug/l	97
3) Chloromethane	2.359	50	20670	9.727	ug/l #	88
4) Vinyl Chloride	2.518	62	21838	9.717	ug/l	95
5) Bromomethane	2.965	94	15112	10.281	ug/l	84
6) Chloroethane	3.130	64	14417	10.115	ug/l	97
7) Trichlorofluoromethane	3.495	101	30029	10.165	ug/l	90
8) Diethyl Ether	3.965	74	10096	10.321	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.377	101	17168	10.214	ug/l	99
10) Methyl Iodide	4.589	142	18635	9.579	ug/l #	90
11) Tert butyl alcohol	5.506	59	12805	51.284	ug/l	96
12) 1,1-Dichloroethene	4.342	96	15070	9.700	ug/l	90
13) Acrolein	4.183	56	19853	50.999	ug/l	98
14) Allyl chloride	5.030	41	25157	10.118	ug/l	95
15) Acrylonitrile	5.718	53	39955	50.842	ug/l	97
16) Acetone	4.424	43	32542	49.631	ug/l	92
17) Carbon Disulfide	4.712	76	44938	9.508	ug/l	98
18) Methyl Acetate	5.018	43	20355	10.140	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	50046	9.911	ug/l	94
20) Methylene Chloride	5.277	84	17446	9.892	ug/l	93
21) trans-1,2-Dichloroethene	5.783	96	15908	9.802	ug/l	96
22) Diisopropyl ether	6.665	45	53406	9.967	ug/l	99
23) Vinyl Acetate	6.600	43	189768m	49.267	ug/l	
24) 1,1-Dichloroethane	6.565	63	31897	9.883	ug/l	99
25) 2-Butanone	7.482	43	50628	49.771	ug/l	100
26) 2,2-Dichloropropane	7.488	77	27809	9.834	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	18276	9.595	ug/l	91
28) Bromochloromethane	7.812	49	14957	9.972	ug/l #	99
29) Tetrahydrofuran	7.835	42	33255	50.752	ug/l	98
30) Chloroform	7.959	83	32453	9.828	ug/l	99
31) Cyclohexane	8.253	56	29511	10.013	ug/l	93
32) 1,1,1-Trichloroethane	8.171	97	29271	9.926	ug/l	93
36) 1,1-Dichloropropene	8.365	75	22034	9.675	ug/l	99
37) Ethyl Acetate	7.559	43	23298	10.292	ug/l	97
38) Carbon Tetrachloride	8.359	117	24491	9.866	ug/l	99
39) Methylcyclohexane	9.600	83	22448	9.500	ug/l	98
40) Benzene	8.600	78	67603	9.818	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 28 01:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	12091	10.429	ug/l		95
42) 1,2-Dichloroethane	8.671	62	24635	9.979	ug/l		100
43) Isopropyl Acetate	8.682	43	35967	9.650	ug/l		98
44) Trichloroethene	9.347	130	15441	9.472	ug/l		99
45) 1,2-Dichloropropane	9.618	63	17511	10.018	ug/l		99
46) Dibromomethane	9.706	93	12378	10.182	ug/l		98
47) Bromodichloromethane	9.882	83	25444	10.070	ug/l		94
48) Methyl methacrylate	9.676	41	15633	9.666	ug/l		97
49) 1,4-Dioxane	9.688	88	5366	219.898	ug/l		92
51) 4-Methyl-2-Pentanone	10.441	43	106569	50.877	ug/l		100
52) Toluene	10.629	92	40396	9.853	ug/l		97
53) t-1,3-Dichloropropene	10.829	75	24100	9.699	ug/l		97
54) cis-1,3-Dichloropropene	10.306	75	26207	9.754	ug/l		97
55) 1,1,2-Trichloroethane	11.012	97	14839	9.586	ug/l		90
56) Ethyl methacrylate	10.871	69	22666	10.054	ug/l		99
57) 1,3-Dichloropropane	11.159	76	26800	9.864	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	57793	52.985	ug/l		100
59) 2-Hexanone	11.188	43	73420	50.521	ug/l		100
60) Dibromochloromethane	11.353	129	17232	9.884	ug/l		99
61) 1,2-Dibromoethane	11.465	107	15412	10.064	ug/l		98
64) Tetrachloroethene	11.094	164	14273	10.457	ug/l		97
65) Chlorobenzene	11.888	112	44413	9.541	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.953	131	15107	9.670	ug/l		98
67) Ethyl Benzene	11.959	91	73883	9.544	ug/l		97
68) m/p-Xylenes	12.065	106	54643	19.288	ug/l		98
69) o-Xylene	12.400	106	26323	9.605	ug/l		95
70) Styrene	12.406	104	41517	9.347	ug/l		97
71) Bromoform	12.570	173	10628	9.822	ug/l	#	96
73) Isopropylbenzene	12.694	105	65872	10.000	ug/l		98
74) N-amyl acetate	12.488	43	27209	9.650	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	21045	10.031	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	17525m	9.959	ug/l		
77) Bromobenzene	12.976	156	16311	9.995	ug/l		97
78) n-propylbenzene	13.029	91	78022	10.161	ug/l		98
79) 2-Chlorotoluene	13.123	91	49236	10.189	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	54193	10.171	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.729	75	6879m	9.676	ug/l		
82) 4-Chlorotoluene	13.217	91	48752	10.017	ug/l		100
83) tert-Butylbenzene	13.435	119	45946	9.955	ug/l		96
84) 1,2,4-Trimethylbenzene	13.476	105	53034	9.996	ug/l		97
85) sec-Butylbenzene	13.612	105	64824	10.118	ug/l		100
86) p-Isopropyltoluene	13.723	119	52240	9.726	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	28481	9.627	ug/l		97
88) 1,4-Dichlorobenzene	13.806	146	29343	9.656	ug/l		95
89) n-Butylbenzene	14.053	91	44284	9.440	ug/l		99
90) Hexachloroethane	14.329	117	10091	9.609	ug/l		94
91) 1,2-Dichlorobenzene	14.106	146	29163	10.348	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.711	75	3666	9.818	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	13416	9.538	ug/l		97
94) Hexachlorobutadiene	15.500	225	6870	9.830	ug/l		98
95) Naphthalene	15.641	128	44712	9.374	ug/l		98
96) 1,2,3-Trichlorobenzene	15.841	180	14070	10.012	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 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

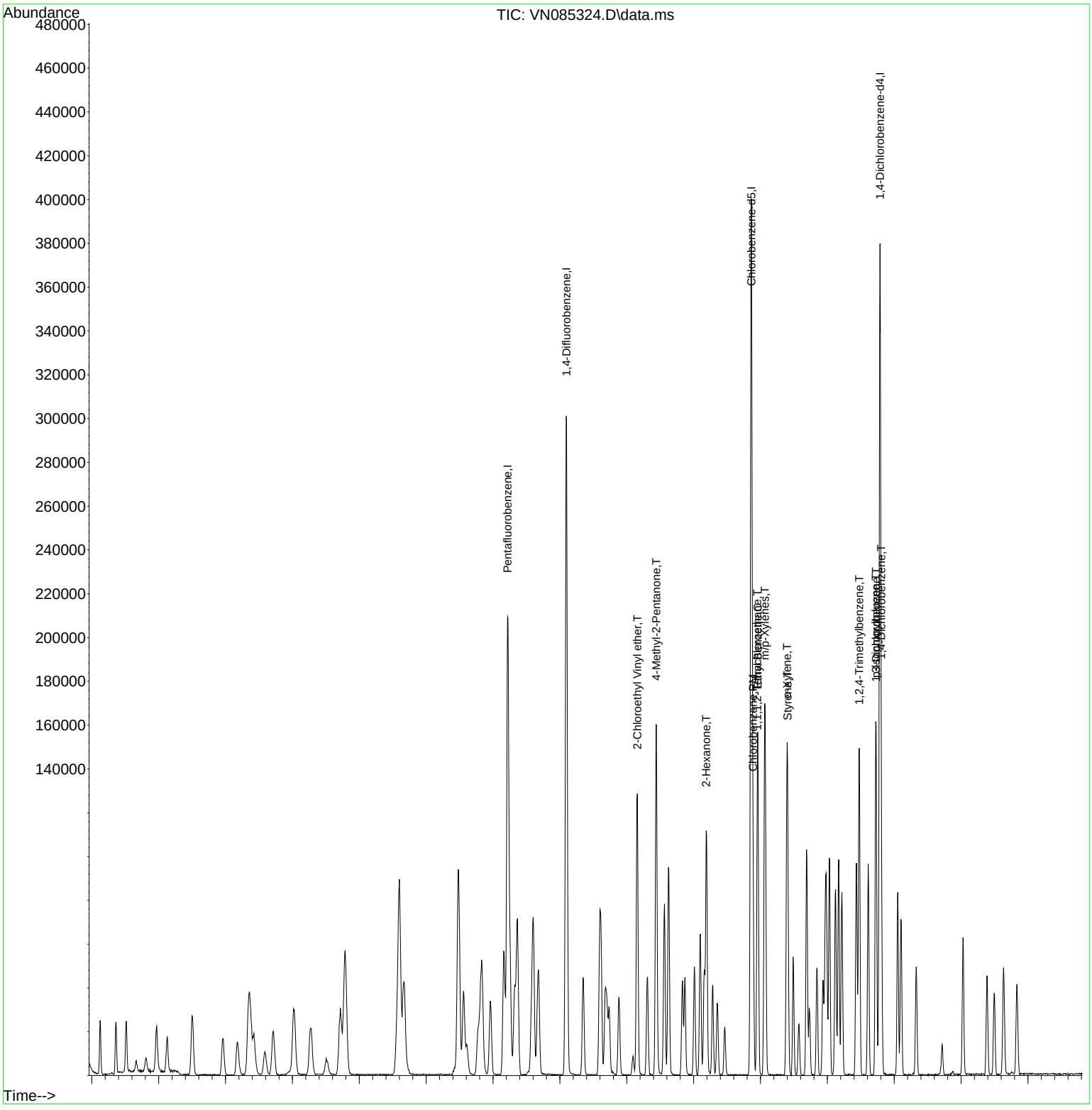
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085324.D
Acq On : 27 Dec 2024 11:37
Operator : JC\MD
Sample : VSTDICC010
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 28 01:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC010

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 01:11:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.224	168	147779	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.100	114	263044	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	226122	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	96471	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.577	65	11186	5.307	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.620%#			
35) Dibromofluoromethane	8.159	113	8683	5.291	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.580%#			
50) Toluene-d8	10.565	98	32316	5.367	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.740%#			
62) 4-Bromofluorobenzene	12.841	95	10066	5.033	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.060%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.124	85	9959	4.983	ug/l		87
3) Chloromethane	2.359	50	10992	4.893	ug/l		94
4) Vinyl Chloride	2.512	62	12286	5.172	ug/l		98
5) Bromomethane	2.954	94	8726	5.616	ug/l		96
6) Chloroethane	3.118	64	7888	5.236	ug/l		100
7) Trichlorofluoromethane	3.501	101	15924	5.099	ug/l		97
8) Diethyl Ether	3.953	74	5358	5.182	ug/l		93
9) 1,1,2-Trichlorotrifluo...	4.365	101	9363	5.270	ug/l	#	48
10) Methyl Iodide	4.589	142	9845	4.788	ug/l	#	93
11) Tert butyl alcohol	5.518	59	7128	27.007	ug/l	#	84
12) 1,1-Dichloroethene	4.336	96	8833	5.379	ug/l		79
13) Acrolein	4.177	56	11310	27.485	ug/l		100
14) Allyl chloride	5.018	41	13153	5.004	ug/l		93
15) Acrylonitrile	5.724	53	20549	24.737	ug/l		98
16) Acetone	4.424	43	17276	24.926	ug/l		94
17) Carbon Disulfide	4.706	76	25152	5.035	ug/l		98
18) Methyl Acetate	5.030	43	10628	5.009	ug/l		98
19) Methyl tert-butyl Ether	5.795	73	26395	4.945	ug/l		97
20) Methylene Chloride	5.277	84	9500	5.096	ug/l		86
21) trans-1,2-Dichloroethene	5.777	96	8724	5.085	ug/l		87
22) Diisopropyl ether	6.665	45	29256	5.165	ug/l	#	92
23) Vinyl Acetate	6.600	43	99465m	24.429	ug/l		
24) 1,1-Dichloroethane	6.571	63	17288	5.067	ug/l		94
25) 2-Butanone	7.483	43	27176	25.274	ug/l		99
26) 2,2-Dichloropropane	7.489	77	15617	5.225	ug/l		97
27) cis-1,2-Dichloroethene	7.483	96	9778	4.856	ug/l		92
28) Bromochloromethane	7.806	49	8779	5.537	ug/l	#	98
29) Tetrahydrofuran	7.836	42	17009	24.557	ug/l		97
30) Chloroform	7.959	83	17135	4.909	ug/l		97
31) Cyclohexane	8.259	56	17671	5.672	ug/l		97
32) 1,1,1-Trichloroethane	8.165	97	15694	5.035	ug/l	#	87
36) 1,1-Dichloropropene	8.365	75	12017	5.001	ug/l		98
37) Ethyl Acetate	7.559	43	11648	4.877	ug/l	#	96
38) Carbon Tetrachloride	8.359	117	12952	4.945	ug/l		91
39) Methylcyclohexane	9.600	83	11831	4.746	ug/l	#	92
40) Benzene	8.600	78	36472	5.021	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 01:11:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	6242	5.104	ug/l		99
42) 1,2-Dichloroethane	8.665	62	12978	4.983	ug/l		97
43) Isopropyl Acetate	8.688	43	18930	4.814	ug/l		99
44) Trichloroethene	9.347	130	8533	4.961	ug/l		93
45) 1,2-Dichloropropane	9.618	63	9143	4.958	ug/l		99
46) Dibromomethane	9.706	93	6573	5.125	ug/l		98
47) Bromodichloromethane	9.888	83	13450	5.046	ug/l		99
48) Methyl methacrylate	9.682	41	8311	4.871	ug/l		98
49) 1,4-Dioxane	9.694	88	2520	97.886	ug/l	#	87
51) 4-Methyl-2-Pentanone	10.441	43	54831	24.812	ug/l		99
52) Toluene	10.624	92	21799	5.040	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	13088	4.993	ug/l		100
54) cis-1,3-Dichloropropene	10.306	75	13900	4.904	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	8634	5.287	ug/l		91
56) Ethyl methacrylate	10.871	69	10291	4.327	ug/l		98
57) 1,3-Dichloropropane	11.159	76	14548	5.076	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.153	63	28647	24.895	ug/l		98
59) 2-Hexanone	11.188	43	36958	24.105	ug/l		99
60) Dibromochloromethane	11.359	129	9180	4.991	ug/l		96
61) 1,2-Dibromoethane	11.465	107	8013	4.960	ug/l		99
64) Tetrachloroethene	11.106	164	7300	5.095	ug/l		84
65) Chlorobenzene	11.888	112	24138	4.940	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	7880	4.805	ug/l		94
67) Ethyl Benzene	11.959	91	39102	4.812	ug/l		95
68) m/p-Xylenes	12.065	106	29104	9.786	ug/l		96
69) o-Xylene	12.394	106	13620	4.734	ug/l		98
70) Styrene	12.406	104	21804	4.676	ug/l		99
71) Bromoform	12.571	173	5494	4.837	ug/l	#	99
73) Isopropylbenzene	12.694	105	35544	5.124	ug/l		97
74) N-amyl acetate	12.494	43	13811	4.651	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.935	83	11349	5.137	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	9049m	4.883	ug/l		
77) Bromobenzene	12.976	156	8544	4.971	ug/l		98
78) n-propylbenzene	13.029	91	38185	4.722	ug/l		99
79) 2-Chlorotoluene	13.123	91	26279	5.164	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	27787	4.952	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.729	75	3288	4.391	ug/l		95
82) 4-Chlorotoluene	13.218	91	25709	5.016	ug/l		97
83) tert-Butylbenzene	13.435	119	24152	4.969	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	26238	4.696	ug/l		97
85) sec-Butylbenzene	13.612	105	33215	4.923	ug/l		97
86) p-Isopropyltoluene	13.723	119	25238	4.594	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	15966	5.124	ug/l		99
88) 1,4-Dichlorobenzene	13.806	146	16072	5.022	ug/l		91
89) n-Butylbenzene	14.053	91	22807	4.616	ug/l		99
90) Hexachloroethane	14.329	117	5398	4.881	ug/l		95
91) 1,2-Dichlorobenzene	14.100	146	14881	5.014	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.712	75	2047	5.206	ug/l		94
93) 1,2,4-Trichlorobenzene	15.382	180	7250	4.894	ug/l		96
94) Hexachlorobutadiene	15.500	225	3976	5.402	ug/l		96
95) Naphthalene	15.635	128	22967	4.572	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	7594	5.131	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:11:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 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

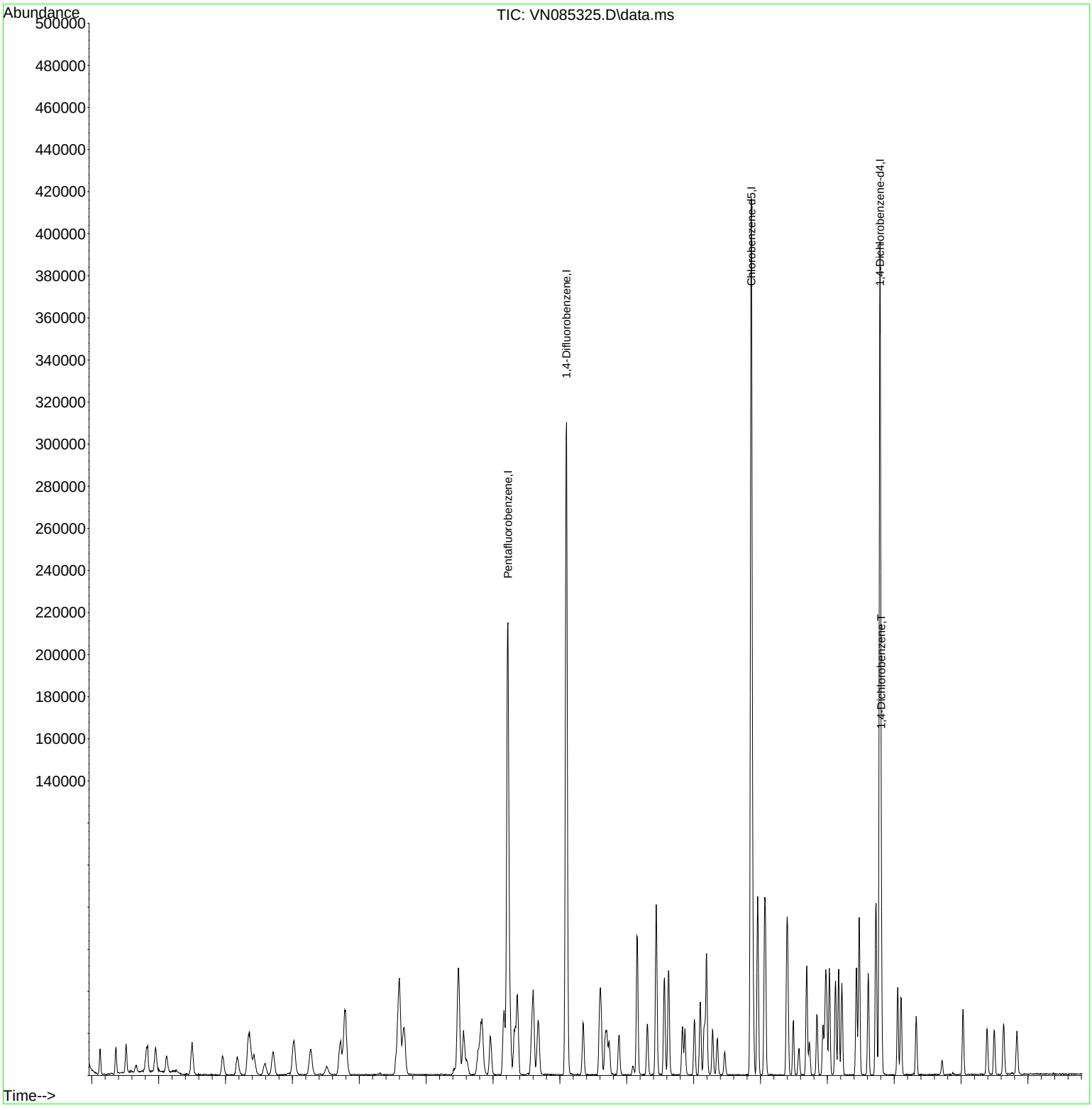
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085325.D
Acq On : 27 Dec 2024 12:01
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 28 01:11:41 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085326.D
Acq On : 27 Dec 2024 12:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:10:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	133455	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	246776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	207418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	81571	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	2.130	85	1733	0.960	ug/l #	70
3) Chloromethane	2.359	50	2616	1.290	ug/l	92
4) Vinyl Chloride	2.512	62	2294	1.069	ug/l	93
6) Chloroethane	3.130	64	1394	1.025	ug/l	91
7) Trichlorofluoromethane	3.500	101	2816	0.999	ug/l	93
8) Diethyl Ether	3.971	74	756	0.810	ug/l	69
9) 1,1,2-Trichlorotrifluo...	4.383	101	1581m	0.985	ug/l	
12) 1,1-Dichloroethene	4.341	96	1405	0.947	ug/l #	78
14) Allyl chloride	5.030	41	2441	1.028	ug/l #	68
15) Acrylonitrile	5.712	53	3700m	4.932	ug/l	
16) Acetone	4.430	43	3332	5.323	ug/l #	58
17) Carbon Disulfide	4.718	76	5381	1.193	ug/l	96
18) Methyl Acetate	5.030	43	1947	1.016	ug/l #	59
19) Methyl tert-butyl Ether	5.800	73	4219	0.875	ug/l #	88
20) Methylene Chloride	5.271	84	1722	1.023	ug/l #	81
21) trans-1,2-Dichloroethene	5.794	96	1530	0.988	ug/l #	85
22) Diisopropyl ether	6.677	45	4276	0.836	ug/l #	93
23) Vinyl Acetate	6.600	43	15012	4.083	ug/l	100
24) 1,1-Dichloroethane	6.559	63	3050	0.990	ug/l #	82
25) 2-Butanone	7.482	43	4530	4.665	ug/l	97
26) 2,2-Dichloropropane	7.488	77	2343	0.868	ug/l #	67
27) cis-1,2-Dichloroethene	7.482	96	1732	0.953	ug/l	99
28) Bromochloromethane	7.800	49	1221m	0.853	ug/l	
29) Tetrahydrofuran	7.835	42	2727	4.360	ug/l	99
30) Chloroform	7.953	83	3291	1.044	ug/l #	74
32) 1,1,1-Trichloroethane	8.165	97	2817	1.001	ug/l #	50
36) 1,1-Dichloropropene	8.371	75	2094	0.929	ug/l #	74
37) Ethyl Acetate	7.559	43	2400	1.071	ug/l #	70
38) Carbon Tetrachloride	8.359	117	2232	0.908	ug/l #	93
39) Methylcyclohexane	9.600	83	1910	0.817	ug/l	90
40) Benzene	8.606	78	6282	0.922	ug/l	99
41) Methacrylonitrile	7.788	41	903m	0.787	ug/l	
42) 1,2-Dichloroethane	8.665	62	2346	0.960	ug/l #	76
43) Isopropyl Acetate	8.694	43	3615	0.980	ug/l #	84
44) Trichloroethene	9.347	130	1696	1.051	ug/l	89
45) 1,2-Dichloropropane	9.623	63	1658	0.958	ug/l #	81

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085326.D
Acq On : 27 Dec 2024 12:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 01:10:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
46) Dibromomethane	9.712	93	1092	0.908 ug/l	96
47) Bromodichloromethane	9.882	83	2265	0.906 ug/l #	87
48) Methyl methacrylate	9.682	41	1319	0.824 ug/l #	88
49) 1,4-Dioxane	9.688	88	300m	12.421 ug/l	
51) 4-Methyl-2-Pentanone	10.441	43	8337	4.021 ug/l	100
52) Toluene	10.629	92	3329	0.820 ug/l	95
53) t-1,3-Dichloropropene	10.829	75	1964	0.799 ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	2254	0.848 ug/l #	82
55) 1,1,2-Trichloroethane	11.012	97	1466	0.957 ug/l	91
56) Ethyl methacrylate	10.876	69	1600	0.717 ug/l	100
57) 1,3-Dichloropropane	11.165	76	2306	0.858 ug/l #	84
58) 2-Chloroethyl Vinyl ether	10.165	63	3585	3.321 ug/l	91
59) 2-Hexanone	11.194	43	5577	3.877 ug/l	89
60) Dibromochloromethane	11.353	129	1329	0.770 ug/l	72
61) 1,2-Dibromoethane	11.470	107	1298	0.856 ug/l	100
64) Tetrachloroethene	11.100	164	1118	0.851 ug/l #	83
65) Chlorobenzene	11.882	112	4664	1.041 ug/l #	81
66) 1,1,1,2-Tetrachloroethane	11.959	131	1447	0.962 ug/l #	59
67) Ethyl Benzene	11.959	91	6412	0.860 ug/l	92
68) m/p-Xylenes	12.064	106	3925	1.439 ug/l	89
69) o-Xylene	12.394	106	2091	0.792 ug/l	94
70) Styrene	12.417	104	3030	0.708 ug/l	97
71) Bromoform	12.570	173	859	0.824 ug/l #	99
73) Isopropylbenzene	12.694	105	4362	0.744 ug/l	95
74) N-amyl acetate	12.494	43	2086	0.831 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.941	83	1959	1.049 ug/l #	86
76) 1,2,3-Trichloropropane	12.988	75	1809m	1.154 ug/l	
77) Bromobenzene	12.976	156	1544	1.062 ug/l	95
78) n-propylbenzene	13.029	91	5290	0.774 ug/l	99
79) 2-Chlorotoluene	13.123	91	3518	0.818 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	3380	0.712 ug/l	91
82) 4-Chlorotoluene	13.217	91	3768	0.869 ug/l	92
83) tert-Butylbenzene	13.441	119	3239	0.788 ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	3339	0.707 ug/l	99
85) sec-Butylbenzene	13.611	105	4066	0.713 ug/l	98
86) p-Isopropyltoluene	13.723	119	2921	0.798 ug/l	93
87) 1,3-Dichlorobenzene	13.729	146	2485	0.943 ug/l	99
88) 1,4-Dichlorobenzene	13.806	146	2825m	1.044 ug/l	
89) n-Butylbenzene	14.053	91	3482	0.833 ug/l	91
90) Hexachloroethane	14.329	117	831	0.889 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	2255	0.899 ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.711	75	309	0.929 ug/l #	73
93) 1,2,4-Trichlorobenzene	15.388	180	1193	0.952 ug/l	91
94) Hexachlorobutadiene	15.500	225	681	1.094 ug/l	75
95) Naphthalene	15.641	128	4815	1.134 ug/l #	93
96) 1,2,3-Trichlorobenzene	15.841	180	1188	0.949 ug/l #	89

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

ICAL Form

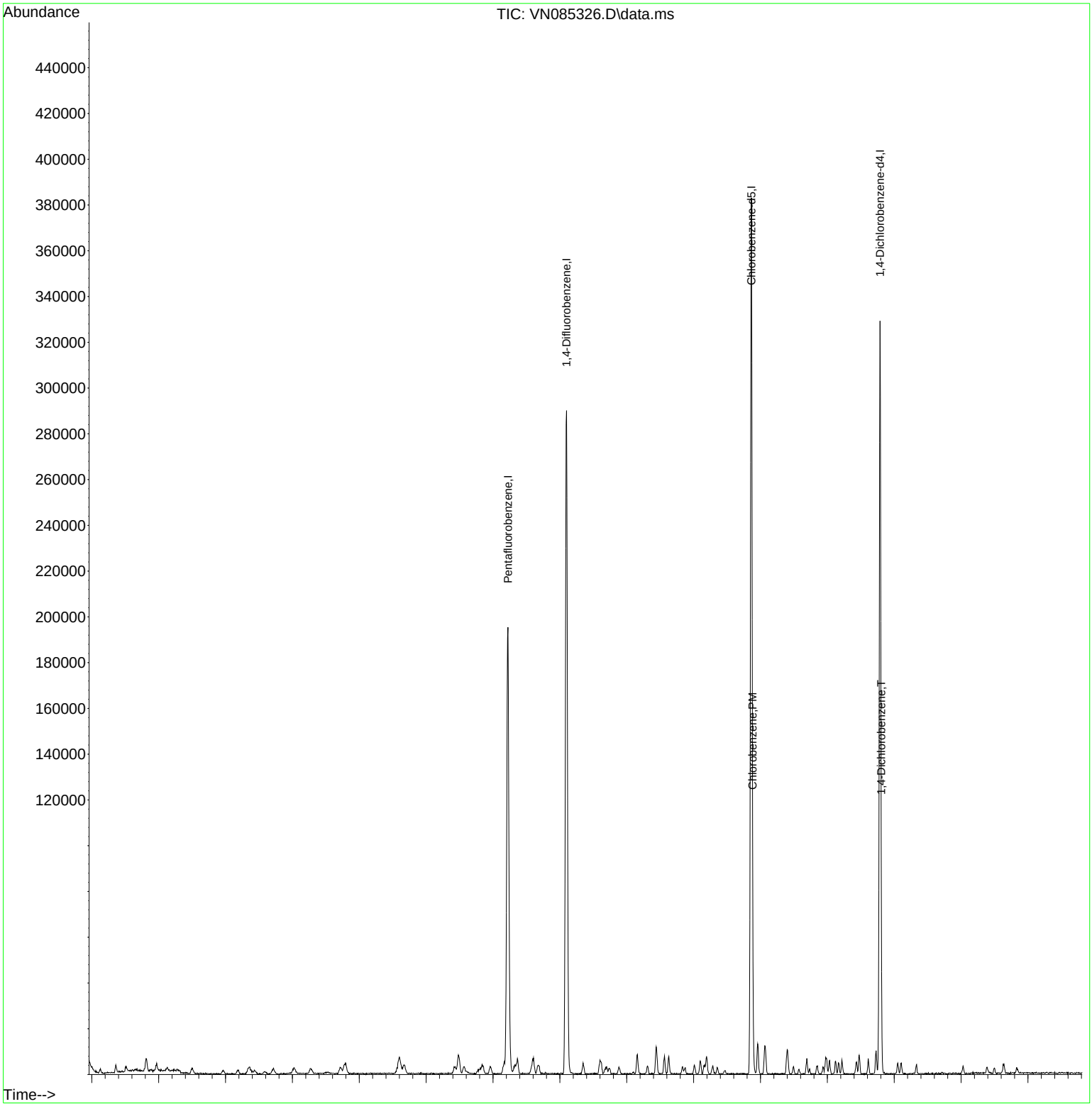
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085326.D
Acq On : 27 Dec 2024 12:48
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 28 01:10:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:10:11 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	164136	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	292504	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	256012	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	118332	50.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.100%			
35) Dibromofluoromethane	8.159	113	91966	50.398	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.800%			
50) Toluene-d8	10.565	98	347336	51.871	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.740%			
62) 4-Bromofluorobenzene	12.847	95	121466	54.619	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 109.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	115857	52.192	ug/l	99
3) Chloromethane	2.359	50	115249	46.193	ug/l	96
4) Vinyl Chloride	2.512	62	133659	50.656	ug/l	96
5) Bromomethane	2.924	94	83386	48.321	ug/l	96
6) Chloroethane	3.100	64	84777	50.664	ug/l	96
7) Trichlorofluoromethane	3.489	101	174797	50.396	ug/l	99
8) Diethyl Ether	3.953	74	63278	55.098	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	100713	51.030	ug/l	98
10) Methyl Iodide	4.583	142	118805	52.018	ug/l	96
11) Tert butyl alcohol	5.524	59	82769	282.346	ug/l	98
12) 1,1-Dichloroethene	4.330	96	93112	51.049	ug/l	99
13) Acrolein	4.171	56	97975	214.370	ug/l	98
14) Allyl chloride	5.018	41	149493	51.210	ug/l	99
15) Acrylonitrile	5.712	53	250489	271.490	ug/l	99
16) Acetone	4.418	43	215365	279.767	ug/l	95
17) Carbon Disulfide	4.706	76	266129	47.961	ug/l	98
18) Methyl Acetate	5.018	43	127062	53.913	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	322145	54.338	ug/l	97
20) Methylene Chloride	5.265	84	106365	51.370	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	95767	50.262	ug/l	96
22) Diisopropyl ether	6.665	45	341434	54.277	ug/l	99
23) Vinyl Acetate	6.594	43	1266714	278.352	ug/l	99
24) 1,1-Dichloroethane	6.565	63	195446	51.577	ug/l	98
25) 2-Butanone	7.477	43	338384	283.341	ug/l	98
26) 2,2-Dichloropropane	7.482	77	176896	53.283	ug/l	99
27) cis-1,2-Dichloroethene	7.482	96	118182	52.846	ug/l	97
28) Bromochloromethane	7.812	49	90008	51.112	ug/l #	100
29) Tetrahydrofuran	7.835	42	218407	283.909	ug/l	100
30) Chloroform	7.965	83	197287	50.890	ug/l	98
31) Cyclohexane	8.253	56	165938	47.956	ug/l	98
32) 1,1,1-Trichloroethane	8.165	97	174266	50.333	ug/l	99
36) 1,1-Dichloropropene	8.365	75	140127	52.447	ug/l	99
37) Ethyl Acetate	7.559	43	137205	51.666	ug/l	99
38) Carbon Tetrachloride	8.359	117	153395	52.672	ug/l	98
39) Methylcyclohexane	9.600	83	156627	56.501	ug/l	100
40) Benzene	8.600	78	424501	52.550	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.771	41	77084	56.677 ug/l		98
42) 1,2-Dichloroethane	8.665	62	149352	51.568 ug/l		100
43) Isopropyl Acetate	8.682	43	249040	56.953 ug/l		98
44) Trichloroethene	9.347	130	97403	50.930 ug/l		93
45) 1,2-Dichloropropane	9.618	63	109589	53.441 ug/l		100
46) Dibromomethane	9.706	93	76287	53.491 ug/l		98
47) Bromodichloromethane	9.882	83	156297	52.728 ug/l	#	99
48) Methyl methacrylate	9.676	41	111168	58.590 ug/l		99
49) 1,4-Dioxane	9.694	88	34268	1197.029 ug/l		98
51) 4-Methyl-2-Pentanone	10.441	43	714200	290.641 ug/l		99
52) Toluene	10.623	92	264263	54.941 ug/l		100
53) t-1,3-Dichloropropene	10.835	75	164691	56.497 ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	173493	55.040 ug/l		98
55) 1,1,2-Trichloroethane	11.012	97	96817	53.314 ug/l		98
56) Ethyl methacrylate	10.871	69	163272	61.733 ug/l		98
57) 1,3-Dichloropropane	11.159	76	172176	54.020 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.153	63	359446	280.905 ug/l		99
59) 2-Hexanone	11.194	43	519370	304.633 ug/l		99
60) Dibromochloromethane	11.359	129	116293	56.856 ug/l		99
61) 1,2-Dibromoethane	11.465	107	97817	54.445 ug/l		99
64) Tetrachloroethene	11.100	164	84445	52.056 ug/l		98
65) Chlorobenzene	11.888	112	287764	52.014 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	98192	52.882 ug/l		99
67) Ethyl Benzene	11.959	91	512193	55.669 ug/l		99
68) m/p-Xylenes	12.065	106	386429	114.768 ug/l		100
69) o-Xylene	12.394	106	185036	56.809 ug/l		98
70) Styrene	12.406	104	313206	59.331 ug/l		99
71) Bromoform	12.576	173	72309	56.226 ug/l	#	99
73) Isopropylbenzene	12.694	105	474369	54.966 ug/l		100
74) N-amyl acetate	12.488	43	211810	57.337 ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	137310	49.956 ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	110703m	49.397 ug/l		
77) Bromobenzene	12.976	156	106098	49.621 ug/l		97
78) n-propylbenzene	13.035	91	562715	55.937 ug/l		99
79) 2-Chlorotoluene	13.123	91	338610	53.482 ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	393503	56.370 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	51732	55.281 ug/l		98
82) 4-Chlorotoluene	13.217	91	341098	53.493 ug/l		99
83) tert-Butylbenzene	13.435	119	332355	54.963 ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	399361	57.454 ug/l		99
85) sec-Butylbenzene	13.611	105	477401	56.877 ug/l		98
86) p-Isopropyltoluene	13.723	119	399868	53.045 ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	204501	52.759 ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	201165	50.524 ug/l		100
89) n-Butylbenzene	14.053	91	357404	58.149 ug/l		100
90) Hexachloroethane	14.329	117	74623	54.238 ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	194477	52.669 ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	27636	56.494 ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	99722	54.113 ug/l		99
94) Hexachlorobutadiene	15.500	225	45915	50.146 ug/l		98
95) Naphthalene	15.635	128	319467	51.123 ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	94990	51.589 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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

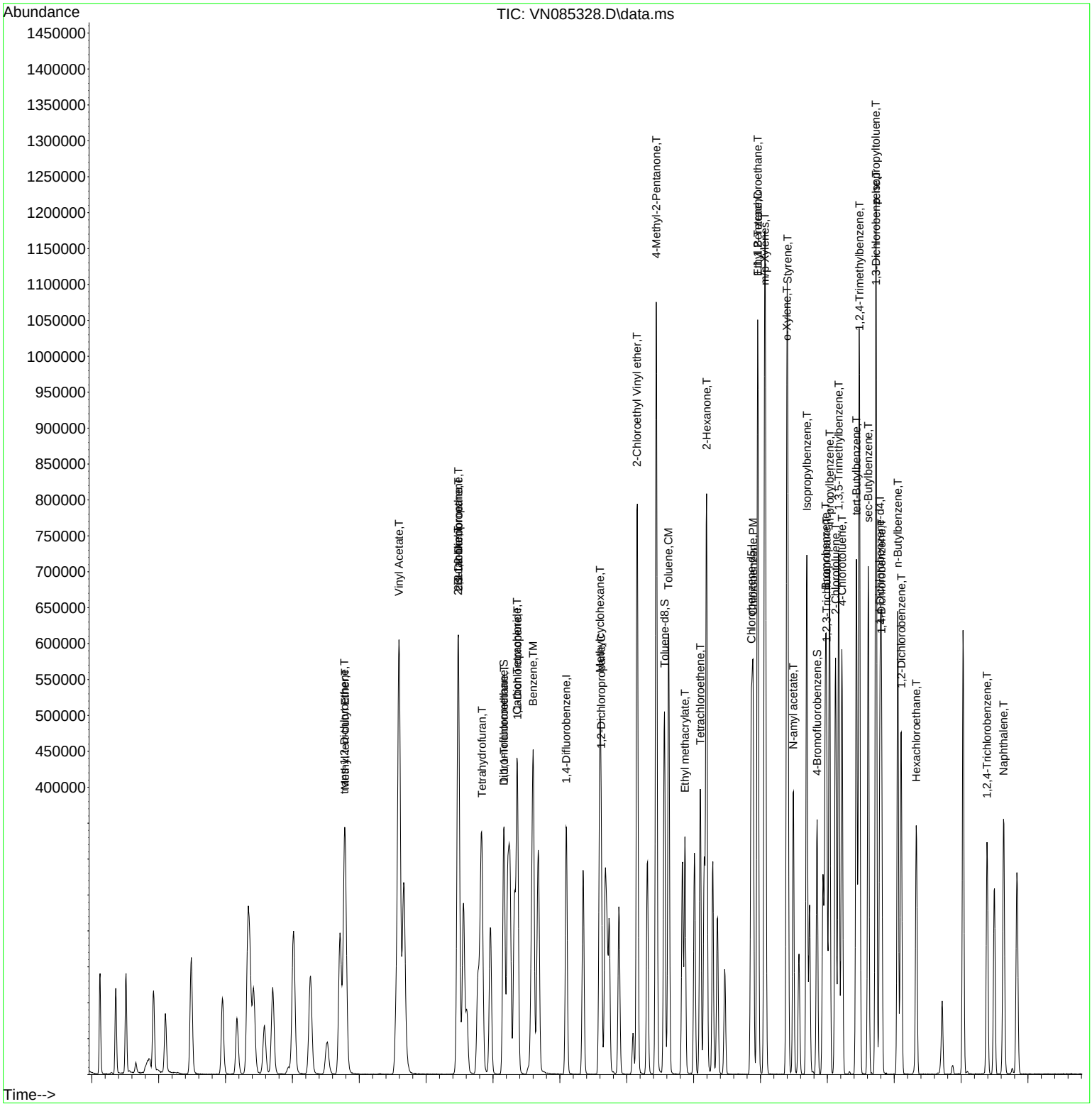
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Manual Integrations APPROVED

Reviewed By :John Carlone 12/30/2024
Supervised By :Mahesh Dadoda 12/30/2024



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	106	0.00
2	T	Dichlorodifluoromethane	0.676	0.706	-4.4	107	0.00
3	P	Chloromethane	0.760	0.702	7.6	108	0.00
4	C	Vinyl Chloride	0.804	0.814	-1.2#	113	0.00
5	T	Bromomethane	0.526	0.508	3.4	111	-0.04
6	T	Chloroethane	0.510	0.517	-1.4	113	-0.02
7	T	Trichlorofluoromethane	1.057	1.065	-0.8	110	-0.01
8	T	Diethyl Ether	0.350	0.386	-10.3	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.601	0.614	-2.2	112	0.00
10	T	Methyl Iodide	0.696	0.724	-4.0	107	-0.01
11	T	Tert butyl alcohol	0.089	0.101	-13.5	124	0.01
12	CM	1,1-Dichloroethene	0.556	0.567	-2.0#	111	-0.01
13	T	Acrolein	0.139	0.119	14.4	97	0.00
14	T	Allyl chloride	0.889	0.911	-2.5	112	0.00
15	T	Acrylonitrile	0.281	0.305	-8.5	117	0.00
16	T	Acetone	0.235	0.262	-11.5	124	0.00
17	T	Carbon Disulfide	1.690	1.621	4.1	111	0.00
18	T	Methyl Acetate	0.718	0.774	-7.8	117	0.00
19	T	Methyl tert-butyl Ether	1.806	1.963	-8.7	111	0.00
20	T	Methylene Chloride	0.631	0.648	-2.7	112	0.00
21	T	trans-1,2-Dichloroethene	0.580	0.583	-0.5	109	0.00
22	T	Diisopropyl ether	1.916	2.080	-8.6	113	0.00
23	T	Vinyl Acetate	1.386	1.543	-11.3	114	0.00
24	P	1,1-Dichloroethane	1.154	1.191	-3.2	112	0.00
25	T	2-Butanone	0.364	0.412	-13.2	119	0.00
26	T	2,2-Dichloropropane	1.011	1.078	-6.6	110	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.720	-5.7	110	0.00
28	T	Bromochloromethane	0.536	0.548	-2.2	109	0.00
29	T	Tetrahydrofuran	0.234	0.266	-13.7	118	0.00
30	C	Chloroform	1.181	1.202	-1.8#	112	0.00
31	T	Cyclohexane	1.054	1.011	4.1	109	0.00
32	T	1,1,1-Trichloroethane	1.055	1.062	-0.7	110	0.00
33	S	1,2-Dichloroethane-d4	0.713	0.721	-1.1	106	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.312	0.314	-0.6	104	0.00
36	T	1,1-Dichloropropene	0.457	0.479	-4.8	109	0.00
37	T	Ethyl Acetate	0.454	0.469	-3.3	118	0.00
38	T	Carbon Tetrachloride	0.498	0.524	-5.2	110	0.00
39	T	Methylcyclohexane	0.474	0.535	-12.9	112	0.00
40	TM	Benzene	1.381	1.451	-5.1	111	0.00
41	T	Methacrylonitrile	0.232	0.264	-13.8	117	0.00
42	TM	1,2-Dichloroethane	0.495	0.511	-3.2	113	0.00
43	T	Isopropyl Acetate	0.747	0.851	-13.9	120	0.00
44	TM	Trichloroethene	0.327	0.333	-1.8	112	0.00
45	C	1,2-Dichloropropane	0.351	0.375	-6.8#	116	0.00
46	T	Dibromomethane	0.244	0.261	-7.0	114	0.00
47	T	Bromodichloromethane	0.507	0.534	-5.3	111	0.00
48	T	Methyl methacrylate	0.324	0.380	-17.3	116	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	0.005	0.006	-20.0	114	0.00
50	S	Toluene-d8	1.145	1.187	-3.7	108	0.00
51	T	4-Methyl-2-Pentanone	0.420	0.488	-16.2	118	0.00
52	CM	Toluene	0.822	0.903	-9.9#	112	0.00
53	T	t-1,3-Dichloropropene	0.498	0.563	-13.1	112	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.593	-10.0	112	0.00
55	T	1,1,2-Trichloroethane	0.310	0.331	-6.8	114	0.00
56	T	Ethyl methacrylate	0.452	0.558	-23.5	117	0.00
57	T	1,3-Dichloropropane	0.545	0.589	-8.1	112	0.00
58	T	2-Chloroethyl Vinyl ether	0.219	0.246	-12.3	107	0.00
59	T	2-Hexanone	0.291	0.355	-22.0	121	0.00
60	T	Dibromochloromethane	0.350	0.398	-13.7	113	0.00
61	T	1,2-Dibromoethane	0.307	0.334	-8.8	112	0.00
62	S	4-Bromofluorobenzene	0.380	0.415	-9.2	109	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64	T	Tetrachloroethene	0.317	0.330	-4.1	112	0.00
65	PM	Chlorobenzene	1.080	1.124	-4.1	114	0.00
66	T	1,1,1,2-Tetrachloroethane	0.363	0.384	-5.8	112	0.00
67	C	Ethyl Benzene	1.797	2.001	-11.4#	113	0.00
68	T	m/p-Xylenes	0.658	0.755	-14.7	113	0.00
69	T	o-Xylene	0.636	0.723	-13.7	112	0.00
70	T	Styrene	1.031	1.223	-18.6	113	0.00
71	P	Bromoform	0.251	0.282	-12.4	114	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
73	T	Isopropylbenzene	3.596	3.953	-9.9	112	0.00
74	T	N-amyl acetate	1.539	1.765	-14.7	115	0.00
75	P	1,1,2,2-Tetrachloroethane	1.145	1.144	0.1	114	0.00
76	T	1,2,3-Trichloropropane	0.934	0.922	1.3	118	0.00
77	T	Bromobenzene	0.891	0.884	0.8	112	0.00
78	T	n-propylbenzene	4.191	4.689	-11.9	113	0.00
79	T	2-Chlorotoluene	2.638	2.821	-6.9	113	0.00
80	T	1,3,5-Trimethylbenzene	2.908	3.279	-12.8	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.390	0.431	-10.5	113	0.00
82	T	4-Chlorotoluene	2.657	2.842	-7.0	114	0.00
83	T	tert-Butylbenzene	2.519	2.769	-9.9	113	0.00
84	T	1,2,4-Trimethylbenzene	2.896	3.328	-14.9	113	0.00
85	T	sec-Butylbenzene	3.497	3.978	-13.8	113	0.00
86	T	p-Isopropyltoluene	2.816	3.332	-18.3	114	0.00
87	T	1,3-Dichlorobenzene	1.615	1.704	-5.5	114	0.00
88	T	1,4-Dichlorobenzene	1.659	1.676	-1.0	113	0.00
89	T	n-Butylbenzene	2.561	2.978	-16.3	116	0.00
90	T	Hexachloroethane	0.573	0.622	-8.6	110	0.00
91	T	1,2-Dichlorobenzene	1.538	1.620	-5.3	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.204	0.230	-12.7	120	0.00
93	T	1,2,4-Trichlorobenzene	0.768	0.831	-8.2	115	0.00
94	T	Hexachlorobutadiene	0.381	0.383	-0.5	119	0.00
95	T	Naphthalene	2.603	2.662	-2.3	111	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	0.767	0.791	-3.1	112	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\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	106	0.00
2	T	Dichlorodifluoromethane	50.000	52.192	-4.4	107	0.00
3	P	Chloromethane	50.000	46.193	7.6	108	0.00
4	C	Vinyl Chloride	50.000	50.656	-1.3#	113	0.00
5	T	Bromomethane	50.000	48.321	3.4	111	-0.04
6	T	Chloroethane	50.000	50.664	-1.3	113	-0.02
7	T	Trichlorofluoromethane	50.000	50.396	-0.8	110	-0.01
8	T	Diethyl Ether	50.000	55.098	-10.2	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.030	-2.1	112	0.00
10	T	Methyl Iodide	50.000	52.018	-4.0	107	-0.01
11	T	Tert butyl alcohol	250.000	282.346	-12.9	124	0.01
12	CM	1,1-Dichloroethene	50.000	51.049	-2.1#	111	-0.01
13	T	Acrolein	250.000	214.370	14.3	97	0.00
14	T	Allyl chloride	50.000	51.210	-2.4	112	0.00
15	T	Acrylonitrile	250.000	271.490	-8.6	117	0.00
16	T	Acetone	250.000	279.767	-11.9	124	0.00
17	T	Carbon Disulfide	50.000	47.961	4.1	111	0.00
18	T	Methyl Acetate	50.000	53.913	-7.8	117	0.00
19	T	Methyl tert-butyl Ether	50.000	54.338	-8.7	111	0.00
20	T	Methylene Chloride	50.000	51.370	-2.7	112	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.262	-0.5	109	0.00
22	T	Diisopropyl ether	50.000	54.277	-8.6	113	0.00
23	T	Vinyl Acetate	250.000	278.352	-11.3	114	0.00
24	P	1,1-Dichloroethane	50.000	51.577	-3.2	112	0.00
25	T	2-Butanone	250.000	283.341	-13.3	119	0.00
26	T	2,2-Dichloropropane	50.000	53.283	-6.6	110	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.846	-5.7	110	0.00
28	T	Bromochloromethane	50.000	51.112	-2.2	109	0.00
29	T	Tetrahydrofuran	250.000	283.909	-13.6	118	0.00
30	C	Chloroform	50.000	50.890	-1.8#	112	0.00
31	T	Cyclohexane	50.000	47.956	4.1	109	0.00
32	T	1,1,1-Trichloroethane	50.000	50.333	-0.7	110	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.547	-1.1	106	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	50.398	-0.8	104	0.00
36	T	1,1-Dichloropropene	50.000	52.447	-4.9	109	0.00
37	T	Ethyl Acetate	50.000	51.666	-3.3	118	0.00
38	T	Carbon Tetrachloride	50.000	52.672	-5.3	110	0.00
39	T	Methylcyclohexane	50.000	56.501	-13.0	112	0.00
40	TM	Benzene	50.000	52.550	-5.1	111	0.00
41	T	Methacrylonitrile	50.000	56.677	-13.4	117	0.00
42	TM	1,2-Dichloroethane	50.000	51.568	-3.1	113	0.00
43	T	Isopropyl Acetate	50.000	56.953	-13.9	120	0.00
44	TM	Trichloroethene	50.000	50.930	-1.9	112	0.00
45	C	1,2-Dichloropropane	50.000	53.441	-6.9#	116	0.00
46	T	Dibromomethane	50.000	53.491	-7.0	114	0.00
47	T	Bromodichloromethane	50.000	52.728	-5.5	111	0.00
48	T	Methyl methacrylate	50.000	58.590	-17.2	116	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	1197.029	-19.7	114	0.00
50	S	Toluene-d8	50.000	51.871	-3.7	108	0.00
51	T	4-Methyl-2-Pentanone	250.000	290.641	-16.3	118	0.00
52	CM	Toluene	50.000	54.941	-9.9#	112	0.00
53	T	t-1,3-Dichloropropene	50.000	56.497	-13.0	112	0.00
54	T	cis-1,3-Dichloropropene	50.000	55.040	-10.1	112	0.00
55	T	1,1,2-Trichloroethane	50.000	53.314	-6.6	114	0.00
56	T	Ethyl methacrylate	50.000	61.733	-23.5	117	0.00
57	T	1,3-Dichloropropane	50.000	54.020	-8.0	112	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	280.905	-12.4	107	0.00
59	T	2-Hexanone	250.000	304.633	-21.9	121	0.00
60	T	Dibromochloromethane	50.000	56.856	-13.7	113	0.00
61	T	1,2-Dibromoethane	50.000	54.445	-8.9	112	0.00
62	S	4-Bromofluorobenzene	50.000	54.619	-9.2	109	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	106	0.00
64	T	Tetrachloroethene	50.000	52.056	-4.1	112	0.00
65	PM	Chlorobenzene	50.000	52.014	-4.0	114	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.882	-5.8	112	0.00
67	C	Ethyl Benzene	50.000	55.669	-11.3#	113	0.00
68	T	m/p-Xylenes	100.000	114.768	-14.8	113	0.00
69	T	o-Xylene	50.000	56.809	-13.6	112	0.00
70	T	Styrene	50.000	59.331	-18.7	113	0.00
71	P	Bromoform	50.000	56.226	-12.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	106	0.00
73	T	Isopropylbenzene	50.000	54.966	-9.9	112	0.00
74	T	N-amyl acetate	50.000	57.337	-14.7	115	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.956	0.1	114	0.00
76	T	1,2,3-Trichloropropane	50.000	49.397	1.2	118	0.00
77	T	Bromobenzene	50.000	49.621	0.8	112	0.00
78	T	n-propylbenzene	50.000	55.937	-11.9	113	0.00
79	T	2-Chlorotoluene	50.000	53.482	-7.0	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	56.370	-12.7	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.281	-10.6	113	0.00
82	T	4-Chlorotoluene	50.000	53.493	-7.0	114	0.00
83	T	tert-Butylbenzene	50.000	54.963	-9.9	113	0.00
84	T	1,2,4-Trimethylbenzene	50.000	57.454	-14.9	113	0.00
85	T	sec-Butylbenzene	50.000	56.877	-13.8	113	0.00
86	T	p-Isopropyltoluene	50.000	53.045	-6.1	114	0.00
87	T	1,3-Dichlorobenzene	50.000	52.759	-5.5	114	0.00
88	T	1,4-Dichlorobenzene	50.000	50.524	-1.0	113	0.00
89	T	n-Butylbenzene	50.000	58.149	-16.3	116	0.00
90	T	Hexachloroethane	50.000	54.238	-8.5	110	0.00
91	T	1,2-Dichlorobenzene	50.000	52.669	-5.3	113	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	56.494	-13.0	120	0.00
93	T	1,2,4-Trichlorobenzene	50.000	54.113	-8.2	115	0.00
94	T	Hexachlorobutadiene	50.000	50.146	-0.3	119	0.00
95	T	Naphthalene	50.000	51.123	-2.2	111	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085328.D
Acq On : 27 Dec 2024 15:58
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN122724

Quant Time: Dec 28 01:40:29 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	51.589	-3.2	112	0.00

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

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.: P5369 SAS No.: P5369 SDG No.: P5369

Instrument ID: MSVOA_N Calibration Date/Time: 12/30/2024 12:27

Lab File ID: VN085339.D Init. Calib. Date(s): 12/27/2024 12/27/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:26 12:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.676	0.629		-6.95	20
Chloromethane	0.760	0.646	0.1	-15	20
Vinyl Chloride	0.804	0.641		-20.27	20
Ethyl Acetate	0.454	0.541		19.16	20
Bromomethane	0.526	0.439		-16.54	20
Chloroethane	0.510	0.436		-14.51	20
Trichlorofluoromethane	1.057	0.918		-13.15	20
1,1,2-Trichlorotrifluoroethane	0.601	0.536		-10.81	20
Tert butyl alcohol	0.089	0.117		31.46	20
1,1-Dichloroethene	0.556	0.508		-8.63	20
Acrolein	0.139	0.139		0	20
Acrylonitrile	0.281	0.346		23.13	20
Acetone	0.235	0.282		20	20
Carbon Disulfide	1.690	1.413		-16.39	20
Methyl tert-butyl Ether	1.806	1.940		7.42	20
Methyl Acetate	0.718	0.880		22.56	20
Methylene Chloride	0.631	0.629		-0.32	20
trans-1,2-Dichloroethene	0.580	0.552		-4.83	20
Vinyl Acetate	1.386	1.602		15.58	20
1,1-Dichloroethane	1.154	1.144	0.1	-0.87	20
Cyclohexane	1.054	0.855		-18.88	20
2-Butanone	0.364	0.461		26.65	20
Carbon Tetrachloride	0.498	0.469		-5.82	20
2,2-Dichloropropane	1.011	0.952		-5.84	20
cis-1,2-Dichloroethene	0.681	0.688		1.03	20
Bromochloromethane	0.536	0.562		4.85	20
Chloroform	1.181	1.150		-2.63	20
1,1,1-Trichloroethane	1.055	0.950		-9.95	20
Methylcyclohexane	0.474	0.443		-6.54	20
1,1-Dichloropropene	0.457	0.421		-7.88	20
Benzene	1.381	1.389		0.58	20
1,2-Dichloroethane	0.495	0.515		4.04	20
Trichloroethene	0.327	0.311		-4.89	20
1,2-Dichloropropane	0.351	0.360		2.56	20
Dibromomethane	0.244	0.259		6.15	20
Bromodichloromethane	0.507	0.534		5.32	20
4-Methyl-2-Pentanone	0.420	0.548		30.48	20
Toluene	0.822	0.845		2.8	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: **VN085339.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.: P5369 SAS No.: P5369 SDG No.: P5369

Instrument ID: MSVOA_N Calibration Date/Time: 12/30/2024 12:27

Lab File ID: VN085339.D Init. Calib. Date(s): 12/27/2024 12/27/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:26 12:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
t-1,3-Dichloropropene	0.498	0.547		9.84	20
cis-1,3-Dichloropropene	0.539	0.585		8.53	20
1,1,2-Trichloroethane	0.310	0.332		7.1	20
1,3-Dichloropropane	0.545	0.598		9.73	20
2-Chloroethyl Vinyl ether	0.219	0.271		23.74	20
2-Hexanone	0.291	0.403		38.49	20
Dibromochloromethane	0.350	0.396		13.14	20
1,2-Dibromoethane	0.307	0.340		10.75	20
Tetrachloroethene	0.317	0.284		-10.41	20
Chlorobenzene	1.080	1.027	0.3	-4.91	20
1,1,1,2-Tetrachloroethane	0.363	0.368		1.38	20
Hexachloroethane	0.573	0.558		-2.62	20
Ethyl Benzene	1.797	1.763		-1.89	20
m/p-Xylenes	0.658	0.677		2.89	20
o-Xylene	0.636	0.650		2.2	20
Styrene	1.031	1.125		9.12	20
Bromoform	0.251	0.292	0.1	16.33	20
Isopropylbenzene	3.596	3.289		-8.54	20
1,1,2,2-Tetrachloroethane	1.145	1.194	0.3	4.28	20
1,2,3-Trichloropropane	0.934	0.993		6.32	20
Bromobenzene	0.891	0.837		-6.06	20
n-propylbenzene	4.191	4.039		-3.63	20
2-Chlorotoluene	2.638	2.530		-4.09	20
1,3,5-Trimethylbenzene	2.908	2.842		-2.27	20
4-Chlorotoluene	2.657	2.531		-4.74	20
tert-Butylbenzene	2.519	2.392		-5.04	20
1,2,4-Trimethylbenzene	2.896	2.849		-1.62	20
sec-Butylbenzene	3.497	3.285		-6.06	20
p-Isopropyltoluene	2.816	2.765		-1.81	20
1,3-Dichlorobenzene	1.615	1.535		-4.95	20
1,4-Dichlorobenzene	1.659	1.565		-5.67	20
n-Butylbenzene	2.561	2.387		-6.79	20
1,2-Dichlorobenzene	1.538	1.517		-1.37	20
1,2-Dibromo-3-Chloropropane	0.204	0.231		13.23	20
1,2,4-Trichlorobenzene	0.768	0.753		-1.95	20
Hexachlorobutadiene	0.381	0.318		-16.53	20
Naphthalene	2.603	2.596		-0.27	20
1,2,3-Trichlorobenzene	0.767	0.756		-1.43	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: **VN085339.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.: P5369 SAS No.: P5369 SDG No.: P5369

Instrument ID: MSVOA_N Calibration Date/Time: 12/30/2024 12:27

Lab File ID: VN085339.D Init. Calib. Date(s): 12/27/2024 12/27/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:26 12:48

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
1,2-Dichloroethane-d4	0.713	0.700		-1.82	20
Dibromofluoromethane	0.312	0.302		-3.2	20
Toluene-d8	1.145	1.083		-5.41	20
4-Bromofluorobenzene	0.380	0.380		0	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: **VN085339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085339.D
Acq On : 30 Dec 2024 12:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 02:10:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	166322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	293676	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265343	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116389	49.063	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.120%			
35) Dibromofluoromethane	8.165	113	88607	48.363	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.720%			
50) Toluene-d8	10.565	98	318154	47.323	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.640%			
62) 4-Bromofluorobenzene	12.847	95	111616	49.990	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.980%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	104576	46.491	ug/l	98
3) Chloromethane	2.359	50	107520	42.529	ug/l	98
4) Vinyl Chloride	2.506	62	106658	39.891	ug/l	100
5) Bromomethane	2.942	94	72965	41.727	ug/l	92
6) Chloroethane	3.112	64	72544	42.783	ug/l	97
7) Trichlorofluoromethane	3.495	101	152662	43.435	ug/l	97
8) Diethyl Ether	3.959	74	63125	54.243	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	89098	44.551	ug/l	98
10) Methyl Iodide	4.589	142	115084	49.726	ug/l	97
11) Tert butyl alcohol	5.518	59	97699	328.896	ug/l	97
12) 1,1-Dichloroethene	4.336	96	84464	45.699	ug/l	97
13) Acrolein	4.177	56	115522	249.441	ug/l	98
14) Allyl chloride	5.024	41	140444	47.478	ug/l	99
15) Acrylonitrile	5.712	53	287666	307.686	ug/l	99
16) Acetone	4.424	43	234336	300.411	ug/l	99
17) Carbon Disulfide	4.706	76	235031	41.800	ug/l	97
18) Methyl Acetate	5.024	43	146324	61.270	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	322652	53.708	ug/l	100
20) Methylene Chloride	5.271	84	104578	49.843	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	91836	47.565	ug/l	94
22) Diisopropyl ether	6.671	45	341757	53.614	ug/l	99
23) Vinyl Acetate	6.600	43	1332004	288.852	ug/l	100
24) 1,1-Dichloroethane	6.565	63	190213	49.537	ug/l	98
25) 2-Butanone	7.482	43	383582	316.965	ug/l	99
26) 2,2-Dichloropropane	7.488	77	158351	47.070	ug/l	99
27) cis-1,2-Dichloroethene	7.488	96	114444	50.502	ug/l	97
28) Bromochloromethane	7.812	49	93391	52.336	ug/l #	99
29) Tetrahydrofuran	7.835	42	255313	327.522	ug/l	98
30) Chloroform	7.965	83	191271	48.690	ug/l	96
31) Cyclohexane	8.259	56	142266	40.574	ug/l	99
32) 1,1,1-Trichloroethane	8.165	97	158083	45.059	ug/l	98
36) 1,1-Dichloropropene	8.371	75	123535	46.052	ug/l	99
37) Ethyl Acetate	7.559	43	158951	59.616	ug/l	99
38) Carbon Tetrachloride	8.359	117	137774	47.119	ug/l	99
39) Methylcyclohexane	9.600	83	130010	46.712	ug/l	97
40) Benzene	8.606	78	407978	50.303	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085339.D
Acq On : 30 Dec 2024 12:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 02:10:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.777	41	83714	61.306	ug/l		98
42) 1,2-Dichloroethane	8.671	62	151351	52.050	ug/l		100
43) Isopropyl Acetate	8.688	43	264605	60.271	ug/l		98
44) Trichloroethene	9.353	130	91293	47.545	ug/l		97
45) 1,2-Dichloropropane	9.618	63	105798	51.386	ug/l		96
46) Dibromomethane	9.706	93	76186	53.207	ug/l		98
47) Bromodichloromethane	9.888	83	156872	52.711	ug/l		98
48) Methyl methacrylate	9.676	41	121850	63.963	ug/l		98
49) 1,4-Dioxane	9.694	88	43891	1527.056	ug/l		97
51) 4-Methyl-2-Pentanone	10.441	43	804374	326.031	ug/l		99
52) Toluene	10.629	92	248223	51.401	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	160591	54.871	ug/l		96
54) cis-1,3-Dichloropropene	10.312	75	171749	54.269	ug/l		99
55) 1,1,2-Trichloroethane	11.012	97	97607	53.534	ug/l		97
56) Ethyl methacrylate	10.871	69	168367	63.406	ug/l		98
57) 1,3-Dichloropropane	11.159	76	175727	54.914	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	398221	309.966	ug/l		98
59) 2-Hexanone	11.194	43	591253	345.412	ug/l		99
60) Dibromochloromethane	11.359	129	116317	56.641	ug/l		99
61) 1,2-Dibromoethane	11.470	107	99988	55.431	ug/l		99
64) Tetrachloroethene	11.100	164	75394	44.842	ug/l		96
65) Chlorobenzene	11.888	112	272414	47.508	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	97540	50.684	ug/l		99
67) Ethyl Benzene	11.965	91	467807	49.057	ug/l		98
68) m/p-Xylenes	12.070	106	359366	102.977	ug/l		99
69) o-Xylene	12.394	106	172602	51.128	ug/l		97
70) Styrene	12.412	104	298505	54.558	ug/l		99
71) Bromoform	12.576	173	77498	58.141	ug/l	#	100
73) Isopropylbenzene	12.694	105	425298	45.740	ug/l		99
74) N-amyl acetate	12.494	43	228591	57.435	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.935	83	154435	52.150	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	128367m	53.164	ug/l		
77) Bromobenzene	12.982	156	108229	46.982	ug/l		99
78) n-propylbenzene	13.035	91	522306	48.190	ug/l		99
79) 2-Chlorotoluene	13.123	91	327142	47.959	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	367441	48.856	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	55201	54.750	ug/l		100
82) 4-Chlorotoluene	13.217	91	327213	47.630	ug/l		99
83) tert-Butylbenzene	13.435	119	309286	47.474	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	368319	49.182	ug/l		98
85) sec-Butylbenzene	13.617	105	424730	46.967	ug/l		98
86) p-Isopropyltoluene	13.729	119	357497	44.497	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	198427	47.515	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	202416	47.186	ug/l		99
89) n-Butylbenzene	14.059	91	308673	46.613	ug/l		99
90) Hexachloroethane	14.335	117	72166	48.685	ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	196144	49.305	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	29912	56.754	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	97376	49.044	ug/l		98
94) Hexachlorobutadiene	15.500	225	41125	41.688	ug/l		98
95) Naphthalene	15.641	128	335647	49.854	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	97770	49.285	ug/l		99

Sample Results: **VN085339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085339.D
Acq On : 30 Dec 2024 12:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 02:10:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

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

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

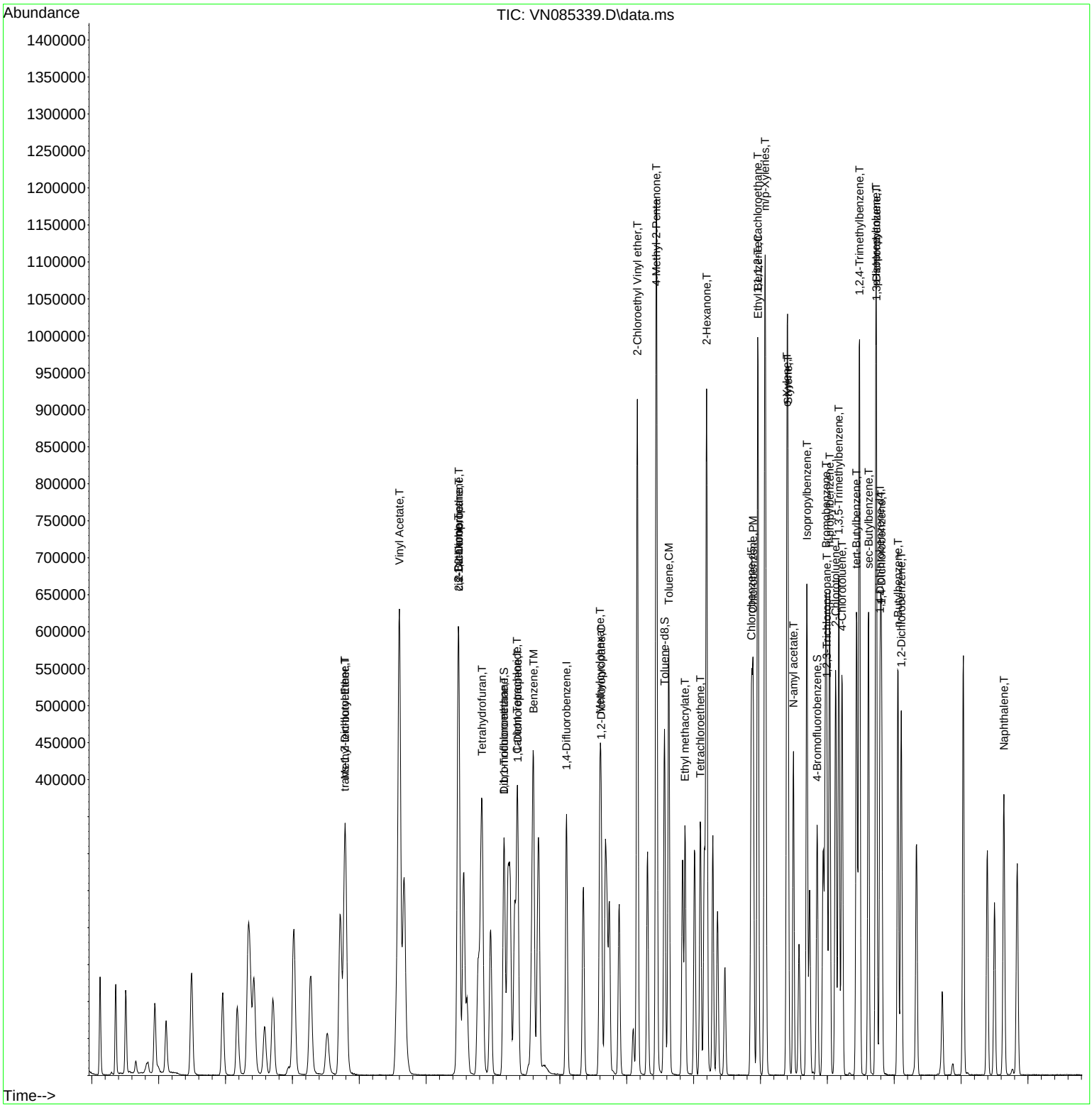
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085339.D
Acq On : 30 Dec 2024 12:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 31 02:10:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024



Sample Results: **VN085339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085339.D
Acq On : 30 Dec 2024 12:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 02:10:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	107	0.00
2	T	Dichlorodifluoromethane	0.676	0.629	7.0	96	0.00
3	P	Chloromethane	0.760	0.646	15.0	101	0.00
4	C	Vinyl Chloride	0.804	0.641	20.3#	90	0.00
5	T	Bromomethane	0.526	0.439	16.5	97	-0.02
6	T	Chloroethane	0.510	0.436	14.5	97	-0.01
7	T	Trichlorofluoromethane	1.057	0.918	13.2	96	0.00
8	T	Diethyl Ether	0.350	0.380	-8.6	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.601	0.536	10.8	99	0.00
10	T	Methyl Iodide	0.696	0.692	0.6	103	0.00
11	T	Tert butyl alcohol	0.089	0.117	-31.5#	147	0.00
12	CM	1,1-Dichloroethene	0.556	0.508	8.6#	101	0.00
13	T	Acrolein	0.139	0.139	0.0	114	0.00
14	T	Allyl chloride	0.889	0.844	5.1	106	0.00
15	T	Acrylonitrile	0.281	0.346	-23.1	135	0.00
16	T	Acetone	0.235	0.282	-20.0	135	0.00
17	T	Carbon Disulfide	1.690	1.413	16.4	98	0.00
18	T	Methyl Acetate	0.718	0.880	-22.6	135	0.00
19	T	Methyl tert-butyl Ether	1.806	1.940	-7.4	111	0.00
20	T	Methylene Chloride	0.631	0.629	0.3	110	0.00
21	T	trans-1,2-Dichloroethene	0.580	0.552	4.8	104	0.00
22	T	Diisopropyl ether	1.916	2.055	-7.3	113	0.00
23	T	Vinyl Acetate	1.386	1.602	-15.6	120	0.00
24	P	1,1-Dichloroethane	1.154	1.144	0.9	109	0.00
25	T	2-Butanone	0.364	0.461	-26.6#	134	0.00
26	T	2,2-Dichloropropane	1.011	0.952	5.8	99	0.00
27	T	cis-1,2-Dichloroethene	0.681	0.688	-1.0	106	0.00
28	T	Bromochloromethane	0.536	0.562	-4.9	113	0.00
29	T	Tetrahydrofuran	0.234	0.307	-31.2#	138	0.00
30	C	Chloroform	1.181	1.150	2.6#	108	0.00
31	T	Cyclohexane	1.054	0.855	18.9	93	0.00
32	T	1,1,1-Trichloroethane	1.055	0.950	10.0	99	0.00
33	S	1,2-Dichloroethane-d4	0.713	0.700	1.8	104	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.312	0.302	3.2	100	0.00
36	T	1,1-Dichloropropene	0.457	0.421	7.9	96	0.00
37	T	Ethyl Acetate	0.454	0.541	-19.2	137	0.00
38	T	Carbon Tetrachloride	0.498	0.469	5.8	99	0.00
39	T	Methylcyclohexane	0.474	0.443	6.5	93	0.00
40	TM	Benzene	1.381	1.389	-0.6	106	0.00
41	T	Methacrylonitrile	0.232	0.285	-22.8	127	0.00
42	TM	1,2-Dichloroethane	0.495	0.515	-4.0	115	0.00
43	T	Isopropyl Acetate	0.747	0.901	-20.6	128	0.00
44	TM	Trichloroethene	0.327	0.311	4.9	105	0.00
45	C	1,2-Dichloropropane	0.351	0.360	-2.6#	112	0.00
46	T	Dibromomethane	0.244	0.259	-6.1	114	0.00
47	T	Bromodichloromethane	0.507	0.534	-5.3	112	0.00
48	T	Methyl methacrylate	0.324	0.415	-28.1#	128	0.00

Sample Results: **VN085339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085339.D
Acq On : 30 Dec 2024 12:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 02:10:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	0.005	0.007	-40.0#	146	0.00
50	S	Toluene-d8	1.145	1.083	5.4	98	0.00
51	T	4-Methyl-2-Pentanone	0.420	0.548	-30.5#	133	0.00
52	CM	Toluene	0.822	0.845	-2.8#	105	0.00
53	T	t-1,3-Dichloropropene	0.498	0.547	-9.8	109	0.00
54	T	cis-1,3-Dichloropropene	0.539	0.585	-8.5	111	0.00
55	T	1,1,2-Trichloroethane	0.310	0.332	-7.1	114	0.00
56	T	Ethyl methacrylate	0.452	0.573	-26.8#	120	0.00
57	T	1,3-Dichloropropane	0.545	0.598	-9.7	114	0.00
58	T	2-Chloroethyl Vinyl ether	0.219	0.271	-23.7	118	0.00
59	T	2-Hexanone	0.291	0.403	-38.5#	138	0.00
60	T	Dibromochloromethane	0.350	0.396	-13.1	113	0.00
61	T	1,2-Dibromoethane	0.307	0.340	-10.7	115	0.00
62	S	4-Bromofluorobenzene	0.380	0.380	0.0	100	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	110	0.00
64	T	Tetrachloroethene	0.317	0.284	10.4	100	0.00
65	PM	Chlorobenzene	1.080	1.027	4.9	108	0.00
66	T	1,1,1,2-Tetrachloroethane	0.363	0.368	-1.4	112	0.00
67	C	Ethyl Benzene	1.797	1.763	1.9#	104	0.00
68	T	m/p-Xylenes	0.658	0.677	-2.9	105	0.00
69	T	o-Xylene	0.636	0.650	-2.2	104	0.00
70	T	Styrene	1.031	1.125	-9.1	108	0.00
71	P	Bromoform	0.251	0.292	-16.3	122	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	114	0.00
73	T	Isopropylbenzene	3.596	3.289	8.5	100	0.00
74	T	N-amyl acetate	1.539	1.768	-14.9	124	0.00
75	P	1,1,2,2-Tetrachloroethane	1.145	1.194	-4.3	128	0.00
76	T	1,2,3-Trichloropropane	0.934	0.993	-6.3	136	0.00
77	T	Bromobenzene	0.891	0.837	6.1	114	0.00
78	T	n-propylbenzene	4.191	4.039	3.6	105	0.00
79	T	2-Chlorotoluene	2.638	2.530	4.1	109	0.00
80	T	1,3,5-Trimethylbenzene	2.908	2.842	2.3	106	0.00
81	T	trans-1,4-Dichloro-2-butene	0.390	0.427	-9.5	121	0.00
82	T	4-Chlorotoluene	2.657	2.531	4.7	109	0.00
83	T	tert-Butylbenzene	2.519	2.392	5.0	105	0.00
84	T	1,2,4-Trimethylbenzene	2.896	2.849	1.6	104	0.00
85	T	sec-Butylbenzene	3.497	3.285	6.1	100	0.00
86	T	p-Isopropyltoluene	2.816	2.765	1.8	102	0.00
87	T	1,3-Dichlorobenzene	1.615	1.535	5.0	111	0.00
88	T	1,4-Dichlorobenzene	1.659	1.565	5.7	114	0.00
89	T	n-Butylbenzene	2.561	2.387	6.8	100	0.00
90	T	Hexachloroethane	0.573	0.558	2.6	107	0.00
91	T	1,2-Dichlorobenzene	1.538	1.517	1.4	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.204	0.231	-13.2	130	0.00
93	T	1,2,4-Trichlorobenzene	0.768	0.753	2.0	113	0.00
94	T	Hexachlorobutadiene	0.381	0.318	16.5	107	0.00
95	T	Naphthalene	2.603	2.596	0.3	117	0.00

Sample Results: **VN085339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085339.D
Acq On : 30 Dec 2024 12:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 02:10:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	0.767	0.756	1.4	116	0.00

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

Sample Results: **VN085339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085339.D
Acq On : 30 Dec 2024 12:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 02:10:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	107	0.00
2	T	Dichlorodifluoromethane	50.000	46.491	7.0	96	0.00
3	P	Chloromethane	50.000	42.529	14.9	101	0.00
4	C	Vinyl Chloride	50.000	39.891	20.2#	90	0.00
5	T	Bromomethane	50.000	41.727	16.5	97	-0.02
6	T	Chloroethane	50.000	42.783	14.4	97	-0.01
7	T	Trichlorofluoromethane	50.000	43.435	13.1	96	0.00
8	T	Diethyl Ether	50.000	54.243	-8.5	114	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	44.551	10.9	99	0.00
10	T	Methyl Iodide	50.000	49.726	0.5	103	0.00
11	T	Tert butyl alcohol	250.000	328.896	-31.6#	147	0.00
12	CM	1,1-Dichloroethene	50.000	45.699	8.6#	101	0.00
13	T	Acrolein	250.000	249.441	0.2	114	0.00
14	T	Allyl chloride	50.000	47.478	5.0	106	0.00
15	T	Acrylonitrile	250.000	307.686	-23.1	135	0.00
16	T	Acetone	250.000	300.411	-20.2	135	0.00
17	T	Carbon Disulfide	50.000	41.800	16.4	98	0.00
18	T	Methyl Acetate	50.000	61.270	-22.5	135	0.00
19	T	Methyl tert-butyl Ether	50.000	53.708	-7.4	111	0.00
20	T	Methylene Chloride	50.000	49.843	0.3	110	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.565	4.9	104	0.00
22	T	Diisopropyl ether	50.000	53.614	-7.2	113	0.00
23	T	Vinyl Acetate	250.000	288.852	-15.5	120	0.00
24	P	1,1-Dichloroethane	50.000	49.537	0.9	109	0.00
25	T	2-Butanone	250.000	316.965	-26.8#	134	0.00
26	T	2,2-Dichloropropane	50.000	47.070	5.9	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.502	-1.0	106	0.00
28	T	Bromochloromethane	50.000	52.336	-4.7	113	0.00
29	T	Tetrahydrofuran	250.000	327.522	-31.0#	138	0.00
30	C	Chloroform	50.000	48.690	2.6#	108	0.00
31	T	Cyclohexane	50.000	40.574	18.9	93	0.00
32	T	1,1,1-Trichloroethane	50.000	45.059	9.9	99	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.063	1.9	104	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	48.363	3.3	100	0.00
36	T	1,1-Dichloropropene	50.000	46.052	7.9	96	0.00
37	T	Ethyl Acetate	50.000	59.616	-19.2	137	0.00
38	T	Carbon Tetrachloride	50.000	47.119	5.8	99	0.00
39	T	Methylcyclohexane	50.000	46.712	6.6	93	0.00
40	TM	Benzene	50.000	50.303	-0.6	106	0.00
41	T	Methacrylonitrile	50.000	61.306	-22.6	127	0.00
42	TM	1,2-Dichloroethane	50.000	52.050	-4.1	115	0.00
43	T	Isopropyl Acetate	50.000	60.271	-20.5	128	0.00
44	TM	Trichloroethene	50.000	47.545	4.9	105	0.00
45	C	1,2-Dichloropropane	50.000	51.386	-2.8#	112	0.00
46	T	Dibromomethane	50.000	53.207	-6.4	114	0.00
47	T	Bromodichloromethane	50.000	52.711	-5.4	112	0.00
48	T	Methyl methacrylate	50.000	63.963	-27.9#	128	0.00

Sample Results: **VN085339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085339.D
Acq On : 30 Dec 2024 12:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 02:10:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	1527.056	-52.7#	146	0.00
50	S	Toluene-d8	50.000	47.323	5.4	98	0.00
51	T	4-Methyl-2-Pentanone	250.000	326.031	-30.4#	133	0.00
52	CM	Toluene	50.000	51.401	-2.8#	105	0.00
53	T	t-1,3-Dichloropropene	50.000	54.871	-9.7	109	0.00
54	T	cis-1,3-Dichloropropene	50.000	54.269	-8.5	111	0.00
55	T	1,1,2-Trichloroethane	50.000	53.534	-7.1	114	0.00
56	T	Ethyl methacrylate	50.000	63.406	-26.8#	120	0.00
57	T	1,3-Dichloropropane	50.000	54.914	-9.8	114	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	309.966	-24.0	118	0.00
59	T	2-Hexanone	250.000	345.412	-38.2#	138	0.00
60	T	Dibromochloromethane	50.000	56.641	-13.3	113	0.00
61	T	1,2-Dibromoethane	50.000	55.431	-10.9	115	0.00
62	S	4-Bromofluorobenzene	50.000	49.990	0.0	100	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	110	0.00
64	T	Tetrachloroethene	50.000	44.842	10.3	100	0.00
65	PM	Chlorobenzene	50.000	47.508	5.0	108	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.684	-1.4	112	0.00
67	C	Ethyl Benzene	50.000	49.057	1.9#	104	0.00
68	T	m/p-Xylenes	100.000	102.977	-3.0	105	0.00
69	T	o-Xylene	50.000	51.128	-2.3	104	0.00
70	T	Styrene	50.000	54.558	-9.1	108	0.00
71	P	Bromoform	50.000	58.141	-16.3	122	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	114	0.00
73	T	Isopropylbenzene	50.000	45.740	8.5	100	0.00
74	T	N-amyl acetate	50.000	57.435	-14.9	124	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.150	-4.3	128	0.00
76	T	1,2,3-Trichloropropane	50.000	53.164	-6.3	136	0.00
77	T	Bromobenzene	50.000	46.982	6.0	114	0.00
78	T	n-propylbenzene	50.000	48.190	3.6	105	0.00
79	T	2-Chlorotoluene	50.000	47.959	4.1	109	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.856	2.3	106	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	54.750	-9.5	121	0.00
82	T	4-Chlorotoluene	50.000	47.630	4.7	109	0.00
83	T	tert-Butylbenzene	50.000	47.474	5.1	105	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.182	1.6	104	0.00
85	T	sec-Butylbenzene	50.000	46.967	6.1	100	0.00
86	T	p-Isopropyltoluene	50.000	44.497	11.0	102	0.00
87	T	1,3-Dichlorobenzene	50.000	47.515	5.0	111	0.00
88	T	1,4-Dichlorobenzene	50.000	47.186	5.6	114	0.00
89	T	n-Butylbenzene	50.000	46.613	6.8	100	0.00
90	T	Hexachloroethane	50.000	48.685	2.6	107	0.00
91	T	1,2-Dichlorobenzene	50.000	49.305	1.4	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	56.754	-13.5	130	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.044	1.9	113	0.00
94	T	Hexachlorobutadiene	50.000	41.688	16.6	107	0.00
95	T	Naphthalene	50.000	49.854	0.3	117	0.00

Sample Results: **VN085339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085339.D
Acq On : 30 Dec 2024 12:27
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Dec 31 02:10:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 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	49.285	1.4	116	0.00

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

QC SAMPLE DATA

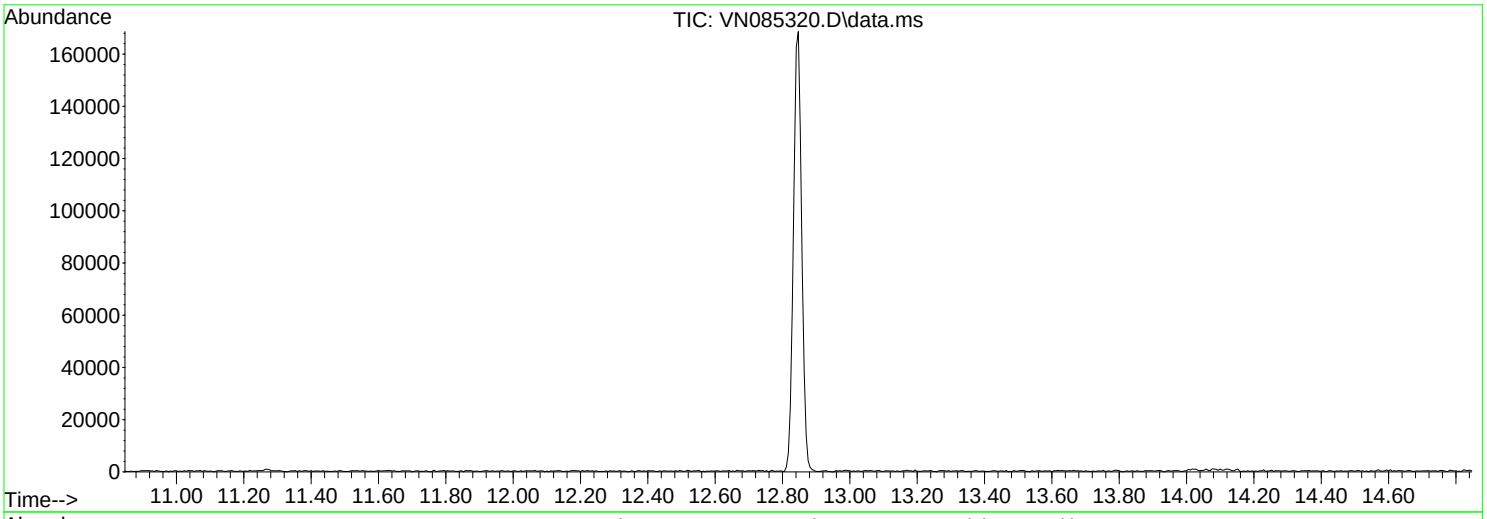
Sample Results: **VN085320.D**

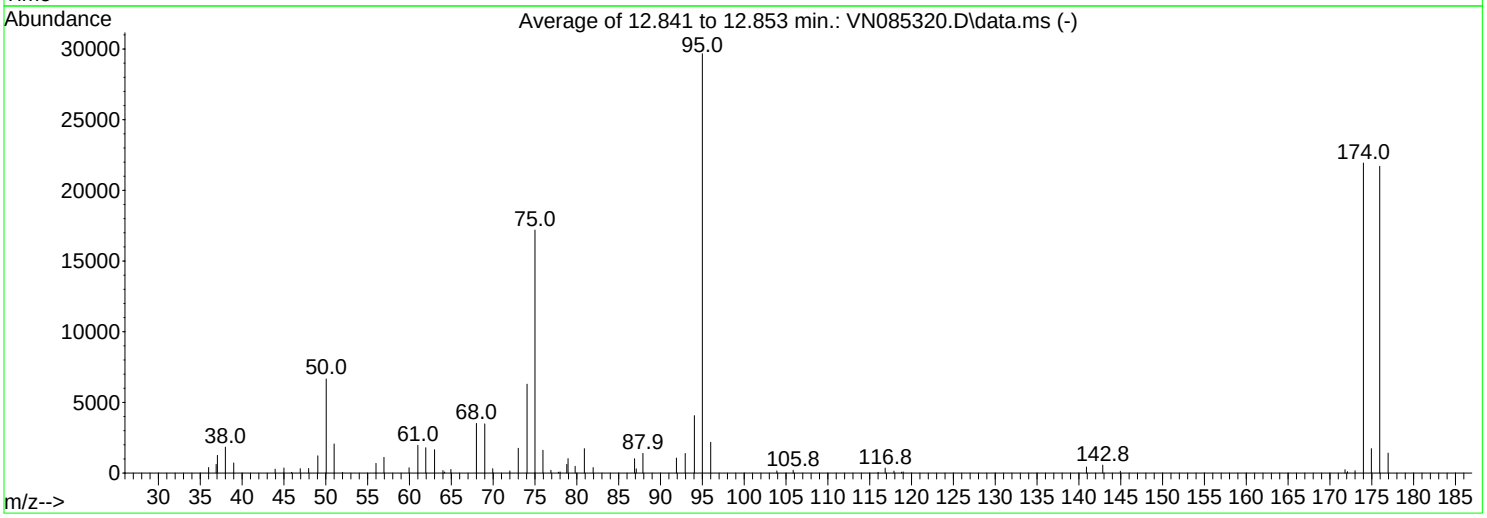
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122724\
Data File : VN085320.D
Acq On : 27 Dec 2024 09:52
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Title : SW846 8260
Last Update : Sat Dec 28 01:36:16 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	22.4	6656	PASS
75	95	30	60	58.0	17193	PASS
95	95	100	100	100.0	29667	PASS
96	95	5	9	7.3	2180	PASS
173	174	0.00	2	0.8	173	PASS
174	95	50	100	73.9	21933	PASS
175	174	5	9	7.9	1730	PASS
176	174	95	101	99.0	21707	PASS
177	176	5	9	6.5	1416	PASS

Average of 12.841 to 12.853 min.: VN085320.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	395	50.05	6656	64.95	258	78.00	82
36.90	615	51.00	2063	68.00	3516	78.80	618
37.05	1253	52.00	51	69.00	3482	78.95	1025
38.00	1836	56.00	691	69.95	311	79.80	481
39.00	716	56.95	1115	72.00	154	80.90	1729
43.95	280	59.95	376	73.00	1757	81.95	392
45.00	363	61.00	1966	74.05	6288	86.90	1016
45.90	51	61.95	1793	75.00	17193	87.10	304
46.95	311	63.00	1658	75.95	1618	87.90	1397
47.95	322	64.00	180	76.90	201	91.90	1064
49.05	1223	64.20	74	77.80	65	92.95	1389

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085320.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.05	4066	142.85	563				
95.00	29667	144.95	133				
96.00	2180	171.80	240				
103.90	155	172.10	100				
105.85	202	173.00	173				
116.00	57	174.00	21933				
116.85	353	174.95	1730				
117.90	143	175.95	21707				
118.80	68	176.95	1416				
119.00	86						
140.90	427						

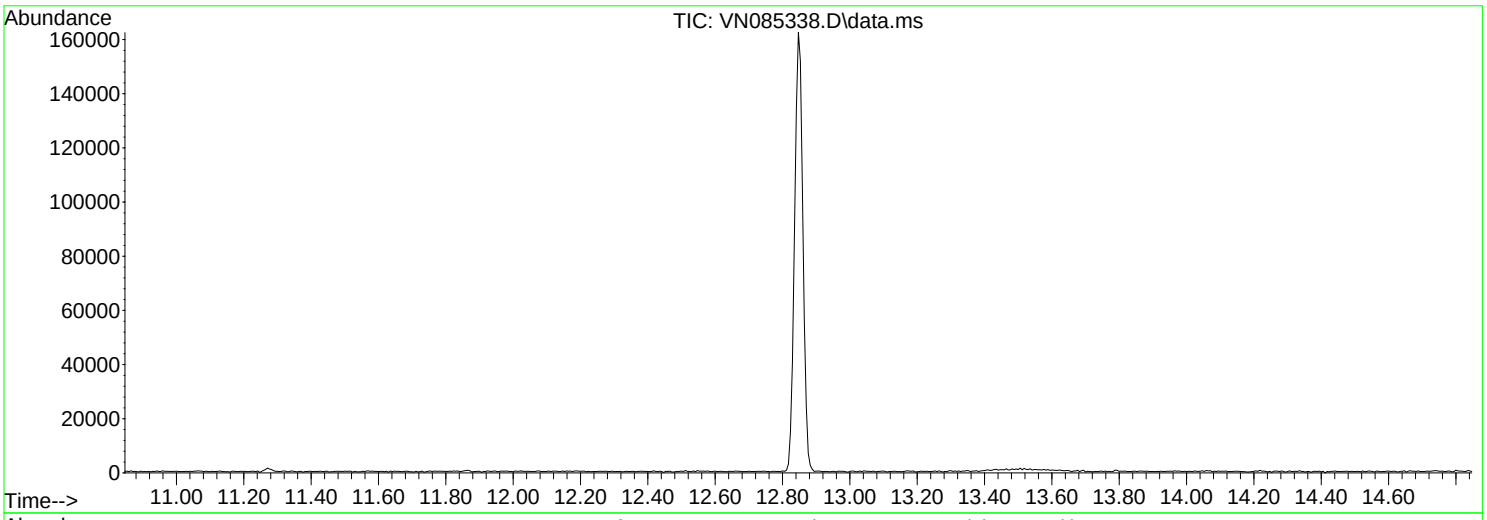
Sample Results: **VN085338.D**

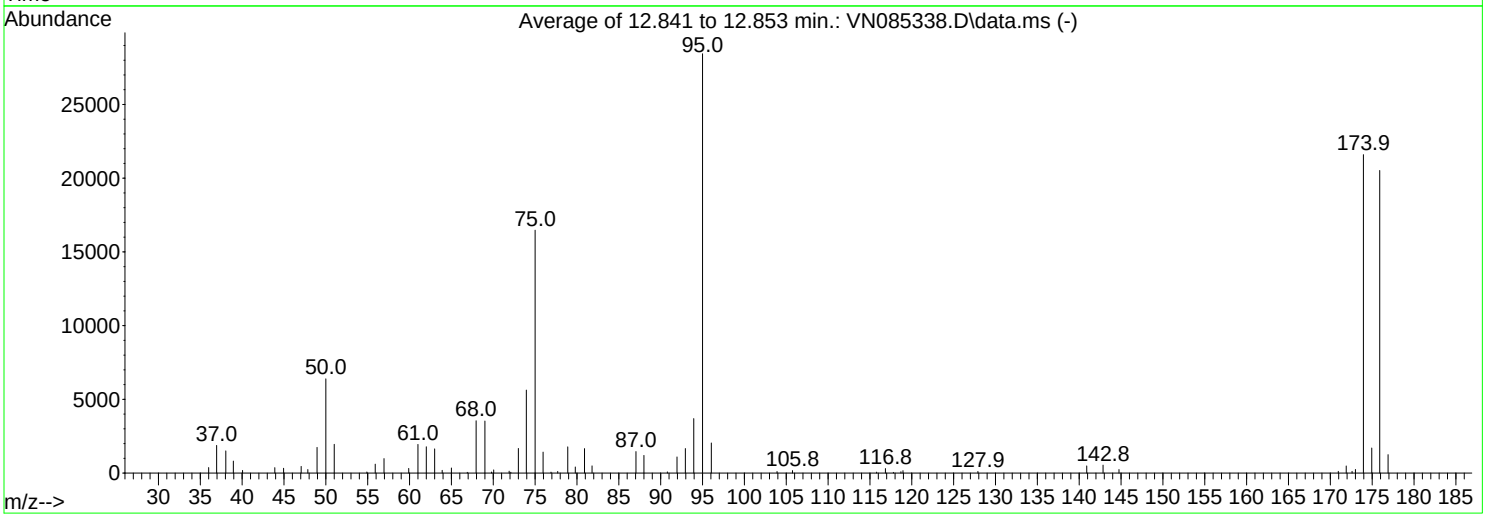
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085338.D
Acq On : 30 Dec 2024 10:39
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Title : SW846 8260
Last Update : Sat Dec 28 01:36:16 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	22.5	6392	PASS
75	95	30	60	57.9	16474	PASS
95	95	100	100	100.0	28440	PASS
96	95	5	9	7.2	2042	PASS
173	174	0.00	2	1.1	243	PASS
174	95	50	100	75.9	21597	PASS
175	174	5	9	7.9	1698	PASS
176	174	95	101	95.0	20523	PASS
177	176	5	9	6.1	1250	PASS

Average of 12.841 to 12.853 min.: VN085338.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	373	51.00	1951	67.95	3548	77.70	111
36.95	1874	54.90	76	69.00	3528	78.90	1779
38.05	1503	55.90	604	69.80	72	79.80	413
38.95	813	56.95	984	70.05	215	80.90	1659
40.05	178	59.90	317	71.90	129	81.80	488
43.90	367	61.00	1944	72.10	58	87.05	1457
44.95	325	62.00	1783	73.00	1670	88.00	1198
47.05	451	63.00	1640	73.95	5630	90.80	82
47.85	242	63.90	185	75.00	16474	91.95	1094
48.95	1743	65.00	346	75.95	1422	92.95	1664
50.00	6392	66.90	52	76.90	65	93.95	3694

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN085338.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
95.00	28440	142.85	539				
96.05	2042	144.75	240				
103.90	108	170.95	117				
105.75	170	171.90	482				
115.80	66	172.60	118				
116.85	306	173.00	243				
117.80	50	173.95	21597				
118.70	96	174.95	1698				
118.95	166	175.90	20523				
127.90	111	176.90	1250				
140.90	485						

Raw Data: **VN085341.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:	VN1230WBL01	SDG No.:	P5369
Lab Sample ID:	VN1230WBL01	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
VN085341.D	1		12/30/24 13:26	VN123024

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: **VN085341.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:	VN1230WBL01	SDG No.:	P5369
Lab Sample ID:	VN1230WBL01	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
VN085341.D	1		12/30/24 13:26	VN123024

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: **VN085341.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:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1230WBL01	SDG No.:	P5369
Lab Sample ID:	VN1230WBL01	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
VN085341.D	1		12/30/24 13:26	VN123024

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	57.3		74 - 125	115%	SPK: 50
1868-53-7	Dibromofluoromethane	52.8		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	51.1		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	161000	8.224			
540-36-3	1,4-Difluorobenzene	303000	9.1			
3114-55-4	Chlorobenzene-d5	252000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	97900	13.788			

Raw Data: **VN085341.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:	VN1230WBL01	SDG No.:	P5369
Lab Sample ID:	VN1230WBL01	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
VN085341.D	1		12/30/24 13:26	VN123024

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\VN123024\
Data File : VN085341.D
Acq On : 30 Dec 2024 13:26
Operator : JC\MD
Sample : VN1230WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBL01

Quant Time: Dec 31 02:11:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

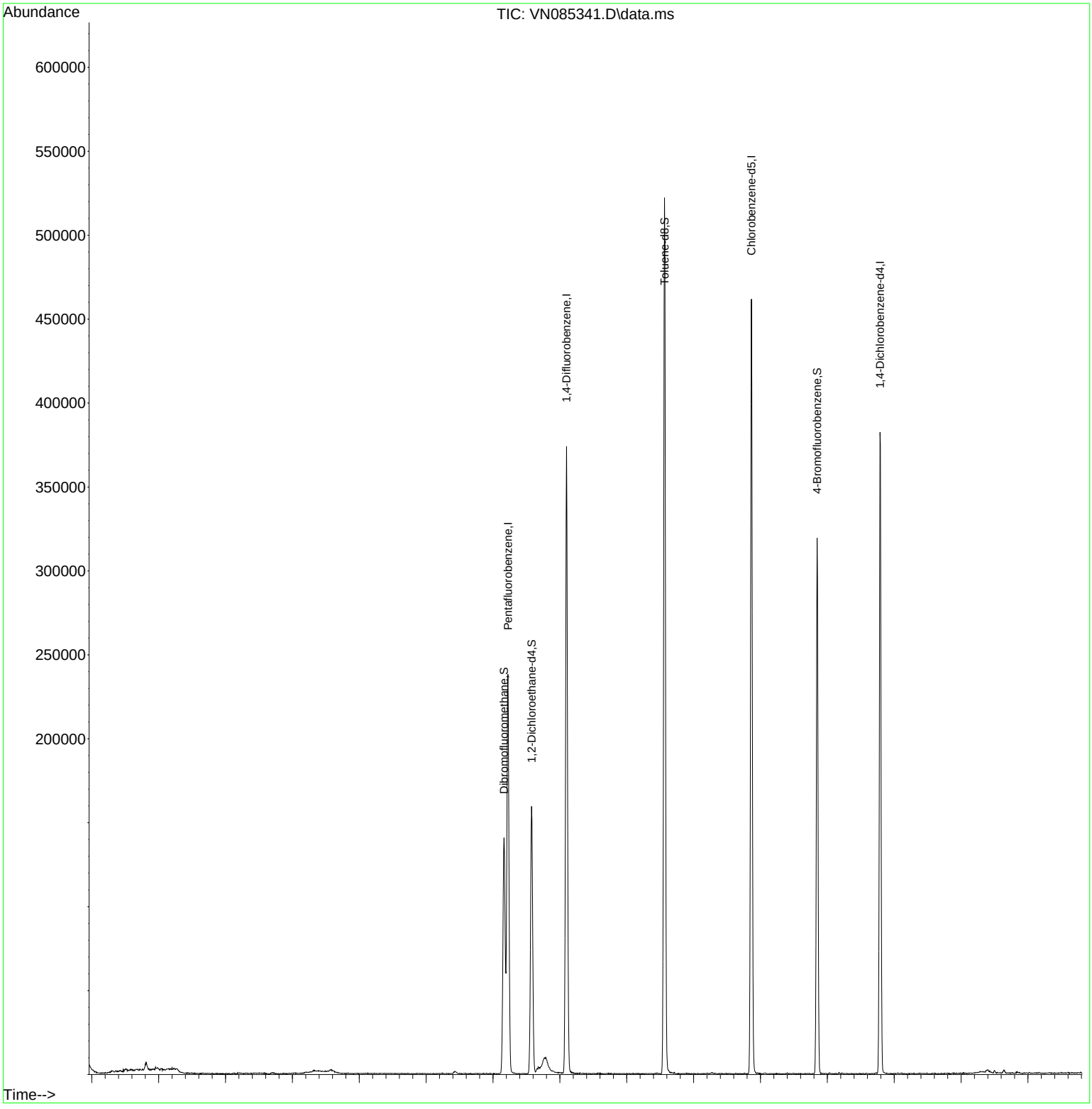
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	161031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	303169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	251914	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	97891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	131504	57.256	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.520%			
35) Dibromofluoromethane	8.165	113	99877	52.808	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.620%			
50) Toluene-d8	10.565	98	354787	51.119	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.847	95	107174	46.497	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.000%			
Target Compounds						Qvalue

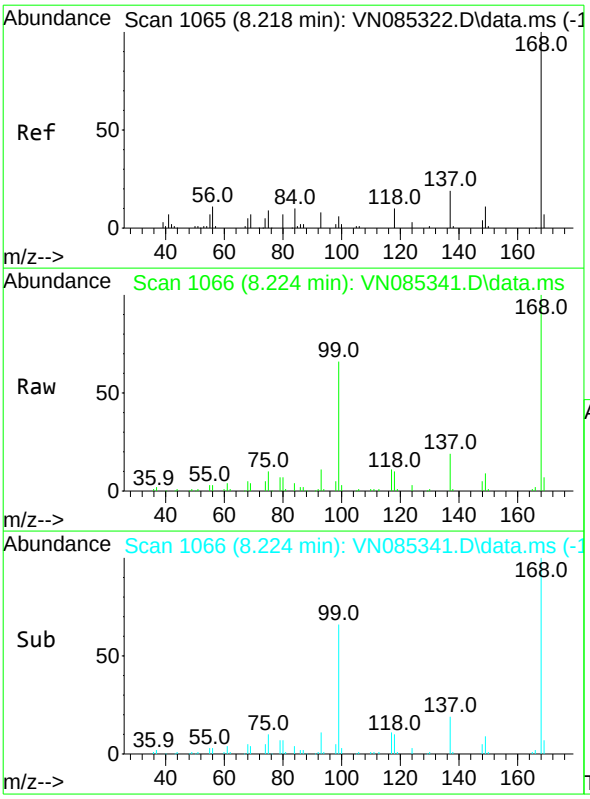
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085341.D
Acq On : 30 Dec 2024 13:26
Operator : JC\MD
Sample : VN1230WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBL01

Quant Time: Dec 31 02:11:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration



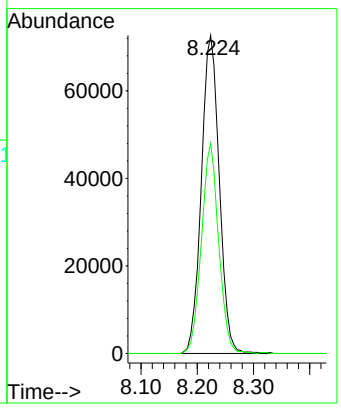


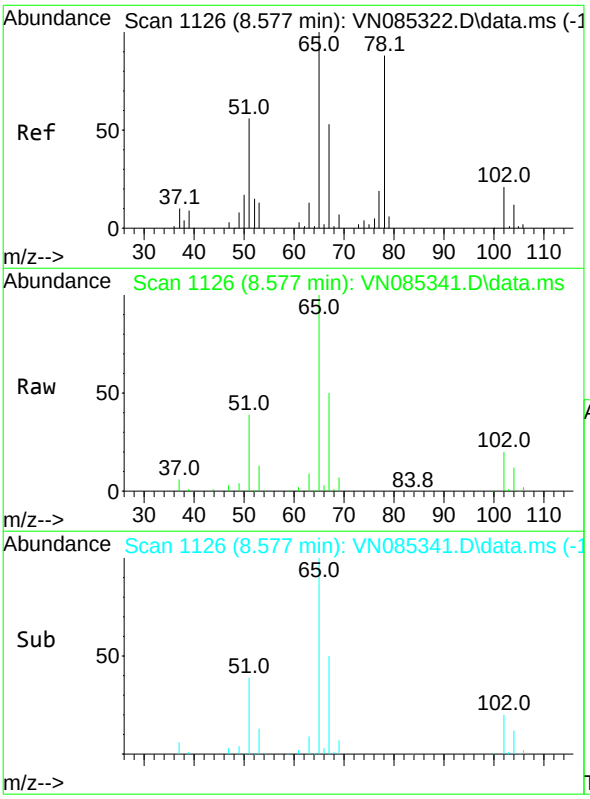
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN085341.D
Acq: 30 Dec 2024 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBL01

Tgt Ion:168 Resp: 161031

Ion	Ratio	Lower	Upper
168	100		
99	66.0	51.0	76.4

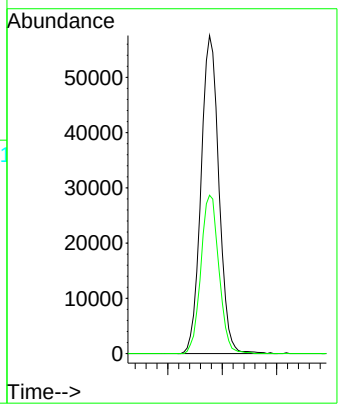


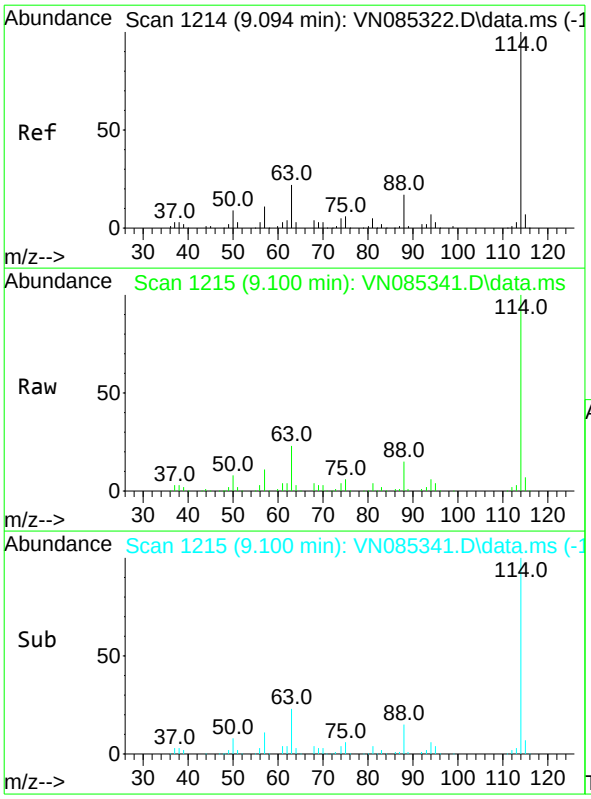


#33
1,2-Dichloroethane-d4
Concen: 57.256 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN085341.D
Acq: 30 Dec 2024 13:26

Tgt Ion: 65 Resp: 131504

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	104.0



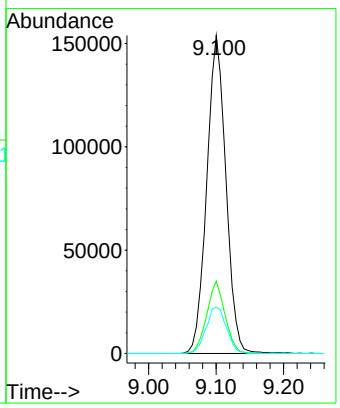


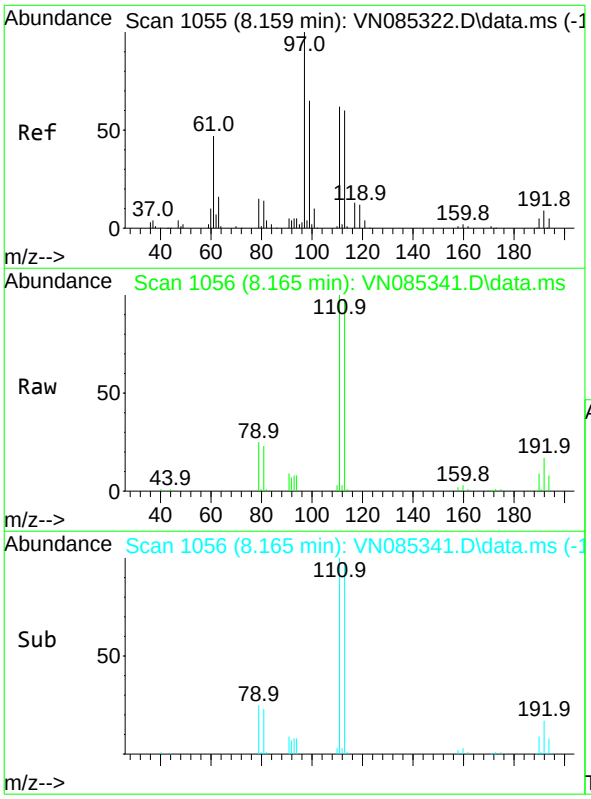
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 12
Delta R.T. 0.006 min
Lab File: VN085341.D
Acq: 30 Dec 2024 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBL01

Tgt Ion:114 Resp: 303169

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	43.4
88	14.5	0.0	33.6

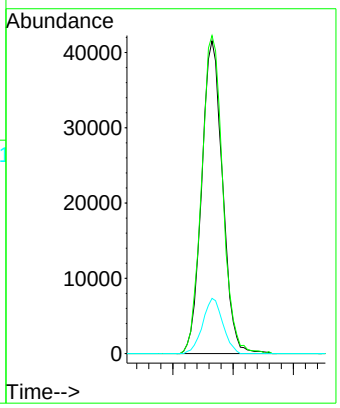


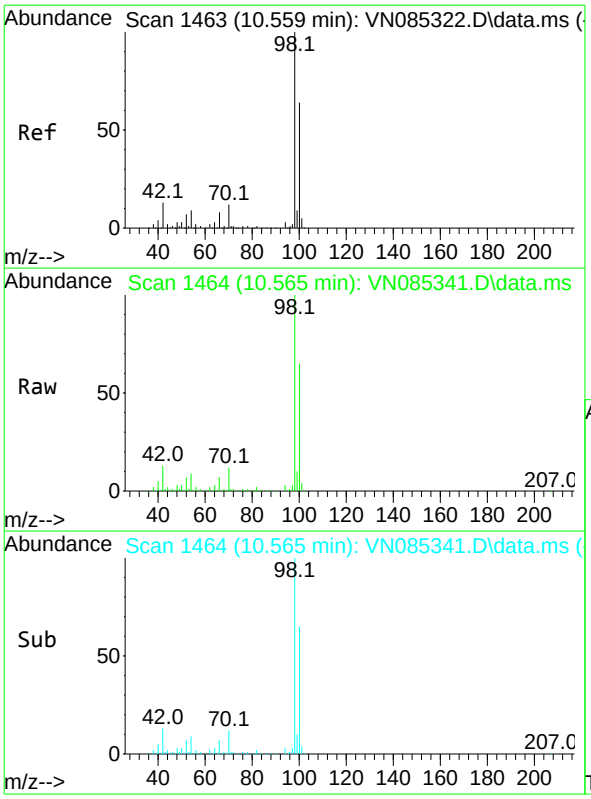


#35
Dibromofluoromethane
Concen: 52.808 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085341.D
Acq: 30 Dec 2024 13:26

Tgt Ion:113 Resp: 99877

Ion	Ratio	Lower	Upper
113	100		
111	102.8	80.5	120.7
192	17.0	12.9	19.3



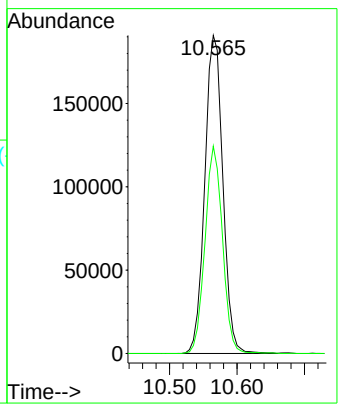


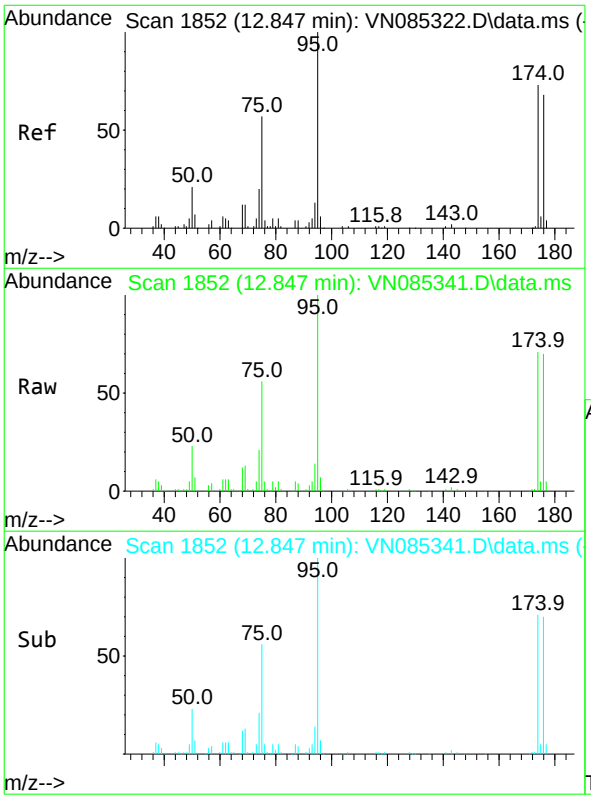
#50
Toluene-d8
Concen: 51.119 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN085341.D
Acq: 30 Dec 2024 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBL01

Tgt Ion: 98 Resp: 354787

Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.5	77.3

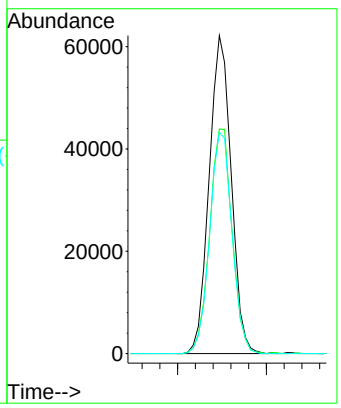


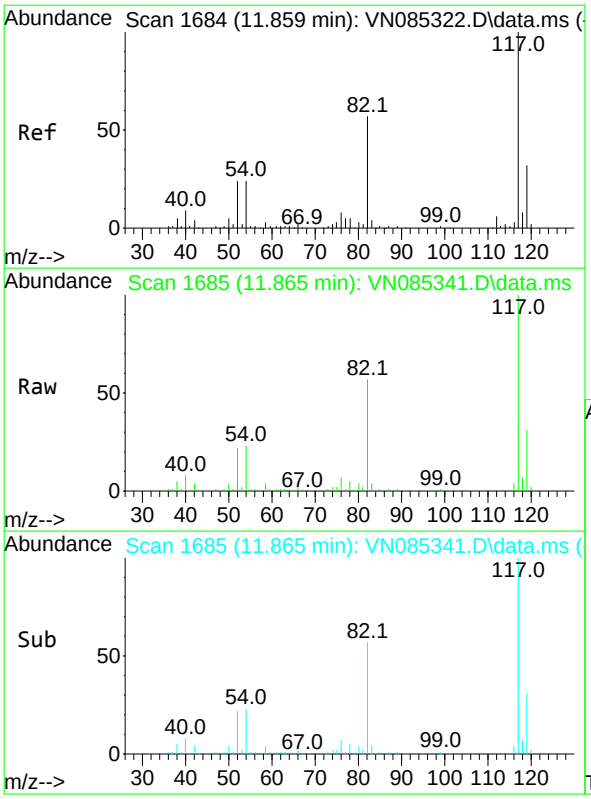


#62
4-Bromofluorobenzene
Concen: 46.497 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085341.D
Acq: 30 Dec 2024 13:26

Tgt Ion: 95 Resp: 107174

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	143.2
176	70.3	0.0	135.8



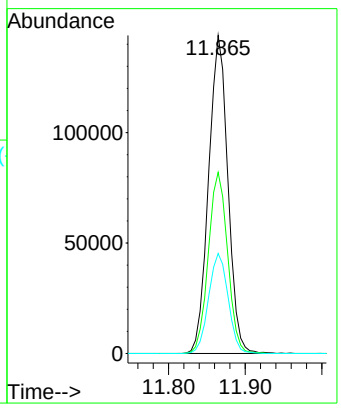


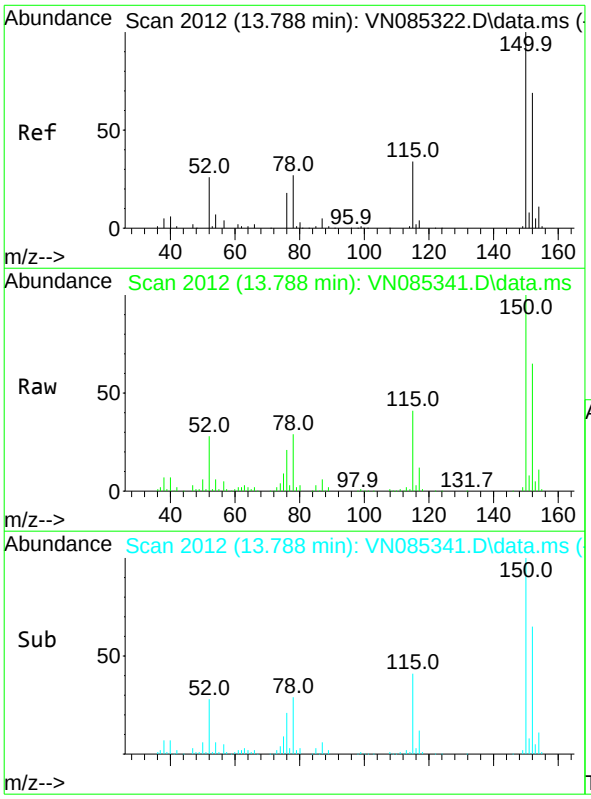
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 16
Delta R.T. 0.006 min
Lab File: VN085341.D
Acq: 30 Dec 2024 13:26

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBL01

Tgt Ion:117 Resp: 251914

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.7	68.5
119	31.4	25.8	38.8

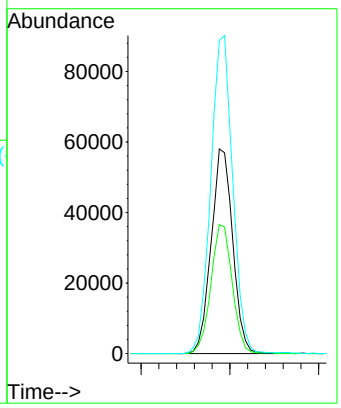




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN085341.D
Acq: 30 Dec 2024 13:26

Tgt Ion:152 Resp: 97891

Ion	Ratio	Lower	Upper
152	100		
115	62.5	30.4	91.3
150	158.0	0.0	345.0



Raw Data: **VN085342.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:	VN1230WBS01	SDG No.:	P5369
Lab Sample ID:	VN1230WBS01	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
VN085342.D	1		12/30/24 13:50	VN123024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.0		0.21	1.00	ug/L
74-87-3	Chloromethane	18.0		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.8		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	21.9		0.38	1.00	ug/L
74-83-9	Bromomethane	16.4		1.40	5.00	ug/L
75-00-3	Chloroethane	18.5		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.3		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.3		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	120		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.26	1.00	ug/L
107-02-8	Acrolein	110		6.70	25.0	ug/L
107-13-1	Acrylonitrile	120		0.90	5.00	ug/L
67-64-1	Acetone	120		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.8		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	24.5		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.2		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.5		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	110		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.6		1.60	5.00	ug/L
78-93-3	2-Butanone	120		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	19.8		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.25	1.00	ug/L
74-97-5	Bromochloromethane	19.9		0.18	1.00	ug/L
67-66-3	Chloroform	19.9		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.4		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	19.4		0.18	1.00	ug/L

Raw Data: **VN085342.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:	VN1230WBS01	SDG No.:	P5369
Lab Sample ID:	VN1230WBS01	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
VN085342.D	1		12/30/24 13:50	VN123024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	20.5		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.24	1.00	ug/L
79-01-6	Trichloroethene	18.7		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.3		0.19	1.00	ug/L
74-95-3	Dibromomethane	20.0		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.75	5.00	ug/L
108-88-3	Toluene	20.6		0.18	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.0		0.21	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.6		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	21.0		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	98.7		1.80	5.00	ug/L
591-78-6	2-Hexanone	130		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.7		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.6		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.3		0.21	1.00	ug/L
67-72-1	Hexachloroethane	20.4		0	0	ug/L
100-41-4	Ethyl Benzene	19.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	41.2		0.31	2.00	ug/L
95-47-6	o-Xylene	20.0		0.14	1.00	ug/L
100-42-5	Styrene	20.9		0.16	1.00	ug/L
75-25-2	Bromoform	22.7		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.6		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.5		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	22.3		0.39	1.00	ug/L
108-86-1	Bromobenzene	19.4		0.26	1.00	ug/L
103-65-1	n-propylbenzene	20.3		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	20.3		0.16	1.00	ug/L

Raw Data: **VN085342.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:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1230WBS01	SDG No.:	P5369
Lab Sample ID:	VN1230WBS01	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
VN085342.D	1		12/30/24 13:50	VN123024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	20.5		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	20.0		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	19.1		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.2		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	19.8		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	18.6		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	18.1		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.5		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	23.5		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	17.4		0.31	1.00	ug/L
91-20-3	Naphthalene	17.4		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.7		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.9		74 - 125	104%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	50.7		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	8.224			
540-36-3	1,4-Difluorobenzene	306000	9.1			
3114-55-4	Chlorobenzene-d5	266000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	121000	13.788			

Raw Data: **VN085342.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:	VN1230WBS01	SDG No.:	P5369
Lab Sample ID:	VN1230WBS01	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
VN085342.D	1		12/30/24 13:50	VN123024

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: **VN085342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085342.D
Acq On : 30 Dec 2024 13:50
Operator : JC\MD
Sample : VN1230WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 31 02:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	172604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306320	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	121453	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	127882	51.946	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.900%			
35) Dibromofluoromethane	8.165	113	98814	51.708	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.420%			
50) Toluene-d8	10.565	98	355512	50.697	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.400%			
62) 4-Bromofluorobenzene	12.847	95	119938	51.500	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	49030	21.004	ug/l	99
3) Chloromethane	2.360	50	47340	18.044	ug/l	98
4) Vinyl Chloride	2.507	62	49334	17.780	ug/l	94
5) Bromomethane	2.954	94	29817	16.431	ug/l	96
6) Chloroethane	3.118	64	32637	18.547	ug/l	91
7) Trichlorofluoromethane	3.495	101	70522	19.335	ug/l	99
8) Diethyl Ether	3.959	74	24409	20.211	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	40033	19.289	ug/l	96
10) Methyl Iodide	4.589	142	45891	19.107	ug/l	93
11) Tert butyl alcohol	5.524	59	38153	123.764	ug/l	99
12) 1,1-Dichloroethene	4.336	96	37143	19.365	ug/l	95
13) Acrolein	4.177	56	53895	112.137	ug/l	97
14) Allyl chloride	5.024	41	58689	19.118	ug/l	97
15) Acrylonitrile	5.718	53	113839	117.330	ug/l	100
16) Acetone	4.424	43	97486	120.425	ug/l	93
17) Carbon Disulfide	4.712	76	104135	17.846	ug/l	98
18) Methyl Acetate	5.024	43	60631	24.464	ug/l	97
19) Methyl tert-butyl Ether	5.795	73	126387	20.273	ug/l	94
20) Methylene Chloride	5.271	84	44002	20.208	ug/l	94
21) trans-1,2-Dichloroethene	5.783	96	39108	19.518	ug/l	92
22) Diisopropyl ether	6.671	45	139867	21.143	ug/l	95
23) Vinyl Acetate	6.606	43	510619	106.700	ug/l	100
24) 1,1-Dichloroethane	6.565	63	80354	20.165	ug/l	97
25) 2-Butanone	7.483	43	152904	121.751	ug/l	96
26) 2,2-Dichloropropane	7.483	77	69163	19.811	ug/l	99
27) cis-1,2-Dichloroethene	7.483	96	46582	19.808	ug/l	97
28) Bromochloromethane	7.812	49	36810	19.878	ug/l #	99
29) Tetrahydrofuran	7.841	42	102001	126.087	ug/l	98
30) Chloroform	7.959	83	81221	19.923	ug/l	99
31) Cyclohexane	8.253	56	67693	18.603	ug/l	95
32) 1,1,1-Trichloroethane	8.171	97	70492	19.361	ug/l	96
36) 1,1-Dichloropropene	8.371	75	54180	19.364	ug/l	97
37) Ethyl Acetate	7.559	43	60918	21.905	ug/l	99
38) Carbon Tetrachloride	8.365	117	61424	20.140	ug/l	98
39) Methylcyclohexane	9.600	83	53570	18.453	ug/l	94
40) Benzene	8.606	78	173770	20.541	ug/l	98

Sample Results: **VN085342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085342.D
Acq On : 30 Dec 2024 13:50
Operator : JC\MD
Sample : VN1230WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 31 02:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.783	41	32966	23.146 ug/l	99
42) 1,2-Dichloroethane	8.671	62	61776	20.368 ug/l	100
43) Isopropyl Acetate	8.688	43	106465	23.249 ug/l	96
44) Trichloroethene	9.353	130	37524	18.735 ug/l	98
45) 1,2-Dichloropropane	9.618	63	43629	20.316 ug/l	98
46) Dibromomethane	9.712	93	29817	19.964 ug/l	93
47) Bromodichloromethane	9.888	83	63969	20.607 ug/l	97
48) Methyl methacrylate	9.683	41	46252	23.277 ug/l	99
49) 1,4-Dioxane	9.694	88	16826	561.246 ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	320451	124.525 ug/l	100
52) Toluene	10.630	92	103870	20.621 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	61014	19.987 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	67869	20.560 ug/l	95
55) 1,1,2-Trichloroethane	11.012	97	38701	20.350 ug/l	97
56) Ethyl methacrylate	10.871	69	60083	21.693 ug/l	95
57) 1,3-Dichloropropane	11.159	76	70040	20.984 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.159	63	132204	98.657 ug/l	98
59) 2-Hexanone	11.194	43	234690	131.447 ug/l	98
60) Dibromochloromethane	11.359	129	45645	21.309 ug/l	97
61) 1,2-Dibromoethane	11.465	107	38890	20.670 ug/l	100
64) Tetrachloroethene	11.100	164	32985	19.584 ug/l	93
65) Chlorobenzene	11.888	112	110499	19.237 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.959	131	39059	20.260 ug/l	99
67) Ethyl Benzene	11.965	91	187071	19.583 ug/l	99
68) m/p-Xylenes	12.071	106	143945	41.175 ug/l	100
69) o-Xylene	12.400	106	67651	20.004 ug/l	97
70) Styrene	12.412	104	114350	20.863 ug/l	99
71) Bromoform	12.576	173	30332	22.716 ug/l #	98
73) Isopropylbenzene	12.694	105	170761	19.552 ug/l	99
74) N-amyl acetate	12.494	43	85839	22.961 ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.935	83	62480	22.462 ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	50554m	22.290 ug/l	
77) Bromobenzene	12.982	156	42023	19.421 ug/l	97
78) n-propylbenzene	13.035	91	206879	20.321 ug/l	99
79) 2-Chlorotoluene	13.124	91	129844	20.265 ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	144767	20.492 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	20933m	22.104 ug/l	
82) 4-Chlorotoluene	13.218	91	128775	19.956 ug/l	99
83) tert-Butylbenzene	13.435	119	116840	19.093 ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	142335	20.234 ug/l	97
85) sec-Butylbenzene	13.618	105	168287	19.812 ug/l	99
86) p-Isopropyltoluene	13.729	119	135284	18.609 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	78612	20.041 ug/l	98
88) 1,4-Dichlorobenzene	13.812	146	75063	18.629 ug/l	96
89) n-Butylbenzene	14.053	91	112702	18.119 ug/l	99
90) Hexachloroethane	14.329	117	28444	20.429 ug/l	97
91) 1,2-Dichlorobenzene	14.106	146	72744	19.467 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11616	23.464 ug/l	98
93) 1,2,4-Trichlorobenzene	15.394	180	33209	17.807 ug/l	98
94) Hexachlorobutadiene	15.500	225	16094	17.369 ug/l	98
95) Naphthalene	15.641	128	109980	17.391 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	32933	17.674 ug/l	98

Sample Results: **VN085342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085342.D
Acq On : 30 Dec 2024 13:50
Operator : JC\MD
Sample : VN1230WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 31 02:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

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

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

Sample Results: **VN085342.D**

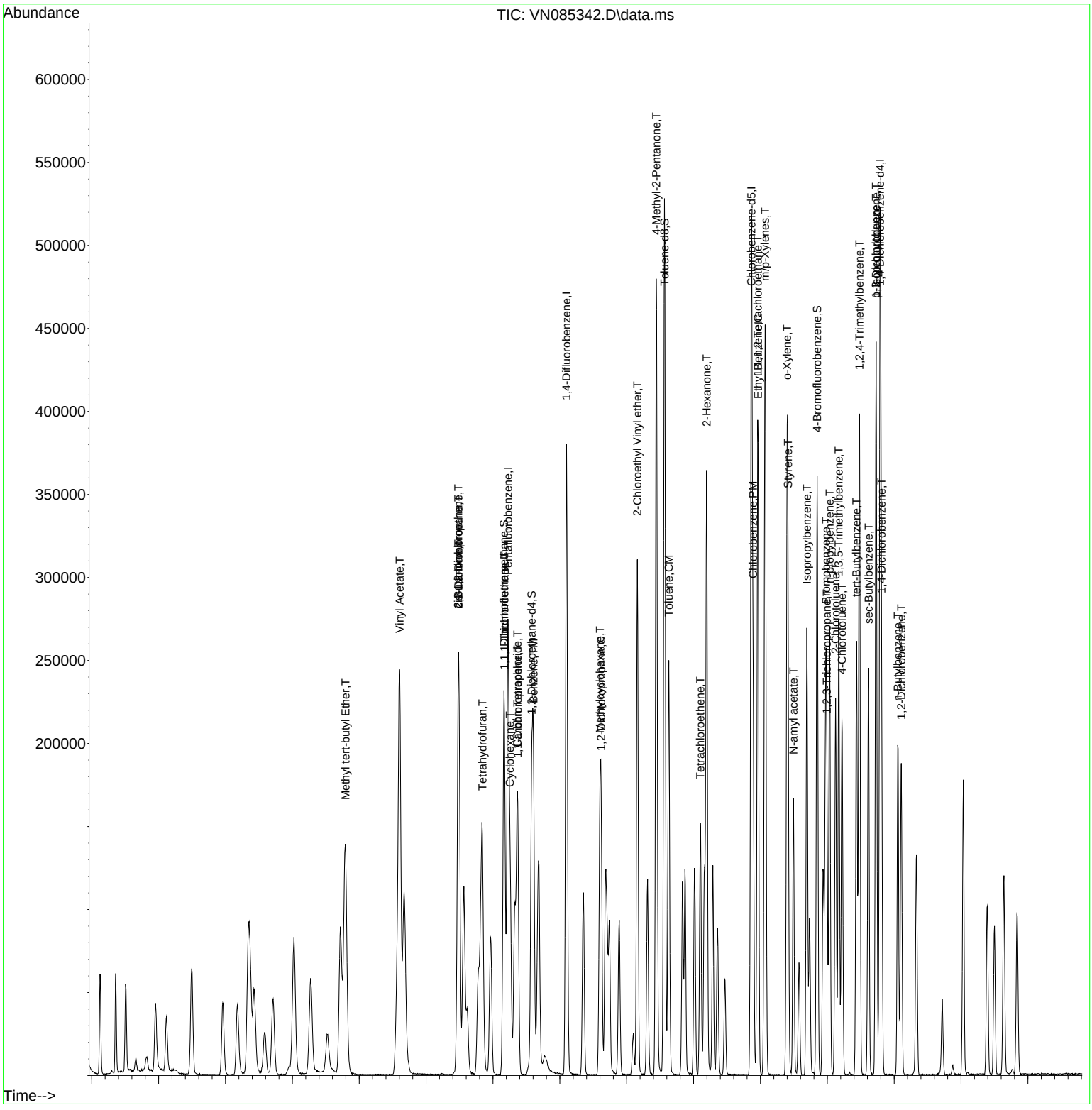
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085342.D
Acq On : 30 Dec 2024 13:50
Operator : JC\MD
Sample : VN1230WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 31 02:12:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024



Raw Data: **VN085343.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:	VN1230WBSD01	SDG No.:	P5369
Lab Sample ID:	VN1230WBSD01	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
VN085343.D	1		12/30/24 14:25	VN123024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.3		0.21	1.00	ug/L
74-87-3	Chloromethane	18.2		0.35	1.00	ug/L
75-01-4	Vinyl Chloride	17.2		0.34	1.00	ug/L
141-78-6	Ethyl Acetate	23.2		0.38	1.00	ug/L
74-83-9	Bromomethane	16.6		1.40	5.00	ug/L
75-00-3	Chloroethane	18.0		0.56	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.0		0.34	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	140		5.60	25.0	ug/L
75-35-4	1,1-Dichloroethene	18.6		0.26	1.00	ug/L
107-02-8	Acrolein	120		6.70	25.0	ug/L
107-13-1	Acrylonitrile	120		0.90	5.00	ug/L
67-64-1	Acetone	130		1.40	5.00	ug/L
75-15-0	Carbon Disulfide	17.7		0.32	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	25.3		0.60	1.00	ug/L
75-09-2	Methylene Chloride	20.7		0.32	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.7		0.25	1.00	ug/L
108-05-4	Vinyl Acetate	110		0.71	5.00	ug/L
75-34-3	1,1-Dichloroethane	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.60	5.00	ug/L
78-93-3	2-Butanone	130		1.30	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	1.00	ug/L
594-20-7	2,2-Dichloropropane	18.8		0.31	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.25	1.00	ug/L
74-97-5	Bromochloromethane	20.8		0.18	1.00	ug/L
67-66-3	Chloroform	20.0		0.26	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.2		0.19	1.00	ug/L
108-87-2	Methylcyclohexane	18.5		0.19	1.00	ug/L
563-58-6	1,1-Dichloropropene	18.9		0.18	1.00	ug/L

Raw Data: **VN085343.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:	VN1230WBSD01	SDG No.:	P5369
Lab Sample ID:	VN1230WBSD01	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
VN085343.D	1		12/30/24 14:25	VN123024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
71-43-2	Benzene	20.4		0.16	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.24	1.00	ug/L
79-01-6	Trichloroethene	19.1		0.32	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.4		0.19	1.00	ug/L
74-95-3	Dibromomethane	21.6		0.23	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.24	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	130		0.75	5.00	ug/L
108-88-3	Toluene	20.3		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	20.6		0.18	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.7		0.21	1.00	ug/L
142-28-9	1,3-Dichloropropane	21.8		0.17	1.00	ug/L
110-75-8	2-Chloroethyl Vinyl ether	100		1.80	5.00	ug/L
591-78-6	2-Hexanone	140		1.10	5.00	ug/L
124-48-1	Dibromochloromethane	22.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.8		0.16	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.25	1.00	ug/L
108-90-7	Chlorobenzene	19.3		0.13	1.00	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	20.7		0.21	1.00	ug/L
67-72-1	Hexachloroethane	20.2		0	0	ug/L
100-41-4	Ethyl Benzene	19.6		0.16	1.00	ug/L
179601-23-1	m/p-Xylenes	40.9		0.31	2.00	ug/L
95-47-6	o-Xylene	19.6		0.14	1.00	ug/L
100-42-5	Styrene	21.1		0.16	1.00	ug/L
75-25-2	Bromoform	22.8		0.21	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.13	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.2		0.27	1.00	ug/L
96-18-4	1,2,3-Trichloropropane	22.6		0.39	1.00	ug/L
108-86-1	Bromobenzene	19.5		0.26	1.00	ug/L
103-65-1	n-propylbenzene	20.2		0.14	1.00	ug/L
95-49-8	2-Chlorotoluene	19.8		0.16	1.00	ug/L

Raw Data: **VN085343.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:	
Project:	Weekly Storage Blanks	Date Received:	
Client Sample ID:	VN1230WBSD01	SDG No.:	P5369
Lab Sample ID:	VN1230WBSD01	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
VN085343.D	1		12/30/24 14:25	VN123024

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-67-8	1,3,5-Trimethylbenzene	20.3		0.18	1.00	ug/L
106-43-4	4-Chlorotoluene	20.1		0.18	1.00	ug/L
98-06-6	tert-Butylbenzene	18.8		0.17	1.00	ug/L
95-63-6	1,2,4-Trimethylbenzene	20.3		0.18	1.00	ug/L
135-98-8	sec-Butylbenzene	19.5		0.17	1.00	ug/L
99-87-6	p-Isopropyltoluene	18.7		0.15	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.24	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.27	1.00	ug/L
104-51-8	n-Butylbenzene	18.0		0.22	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.19	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	24.5		0.46	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.4		0.42	1.00	ug/L
87-68-3	Hexachlorobutadiene	18.0		0.31	1.00	ug/L
91-20-3	Naphthalene	18.2		0.59	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.8		0.51	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.5		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	51.0		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.224			
540-36-3	1,4-Difluorobenzene	292000	9.1			
3114-55-4	Chlorobenzene-d5	255000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	117000	13.788			

Raw Data: **VN085343.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:	VN1230WBSD01	SDG No.:	P5369
Lab Sample ID:	VN1230WBSD01	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
VN085343.D	1		12/30/24 14:25	VN123024

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: **VN085343.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085343.D
Acq On : 30 Dec 2024 14:25
Operator : JC\MD
Sample : VN1230WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 31 02:13:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.224	168	164383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	292155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	254855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125417	53.493	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.980%			
35) Dibromofluoromethane	8.165	113	95110	52.183	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.360%			
50) Toluene-d8	10.565	98	341164	51.010	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.847	95	115786	52.127	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.124	85	45145	20.306	ug/l	96
3) Chloromethane	2.360	50	45361	18.154	ug/l	93
4) Vinyl Chloride	2.512	62	45574	17.246	ug/l	100
5) Bromomethane	2.954	94	28729	16.623	ug/l	93
6) Chloroethane	3.124	64	30230	18.039	ug/l	98
7) Trichlorofluoromethane	3.501	101	65933	18.981	ug/l	100
8) Diethyl Ether	3.965	74	23833	20.721	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.371	101	38727	19.593	ug/l	98
10) Methyl Iodide	4.589	142	44778	19.576	ug/l	97
11) Tert butyl alcohol	5.524	59	40103	136.596	ug/l	99
12) 1,1-Dichloroethene	4.336	96	34012	18.619	ug/l	94
13) Acrolein	4.177	56	52672	115.074	ug/l	100
14) Allyl chloride	5.018	41	54422	18.615	ug/l	98
15) Acrylonitrile	5.718	53	110982	120.106	ug/l	99
16) Acetone	4.424	43	97531	126.506	ug/l	98
17) Carbon Disulfide	4.712	76	98561	17.736	ug/l	99
18) Methyl Acetate	5.030	43	59792	25.332	ug/l	99
19) Methyl tert-butyl Ether	5.795	73	124006	20.885	ug/l	99
20) Methylene Chloride	5.277	84	42857	20.667	ug/l	98
21) trans-1,2-Dichloroethene	5.789	96	35748	18.734	ug/l	94
22) Diisopropyl ether	6.671	45	135205	21.461	ug/l	95
23) Vinyl Acetate	6.600	43	502027	110.151	ug/l	99
24) 1,1-Dichloroethane	6.571	63	74848	19.722	ug/l	98
25) 2-Butanone	7.483	43	155103	129.678	ug/l	97
26) 2,2-Dichloropropane	7.489	77	62568	18.818	ug/l	100
27) cis-1,2-Dichloroethene	7.483	96	44047	19.667	ug/l	95
28) Bromochloromethane	7.812	49	36608	20.757	ug/l #	100
29) Tetrahydrofuran	7.841	42	101543	131.798	ug/l	97
30) Chloroform	7.965	83	77502	19.962	ug/l	99
31) Cyclohexane	8.259	56	62563	18.053	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	66572	19.199	ug/l	94
36) 1,1-Dichloropropene	8.365	75	50384	18.880	ug/l	99
37) Ethyl Acetate	7.559	43	61664	23.248	ug/l	100
38) Carbon Tetrachloride	8.365	117	56937	19.574	ug/l	93
39) Methylcyclohexane	9.600	83	51305	18.530	ug/l	99
40) Benzene	8.606	78	164562	20.396	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085343.D
Acq On : 30 Dec 2024 14:25
Operator : JC\MD
Sample : VN1230WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 31 02:13:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.777	41	33082	24.353 ug/l	98
42) 1,2-Dichloroethane	8.671	62	59826	20.681 ug/l	99
43) Isopropyl Acetate	8.688	43	106965	24.491 ug/l	98
44) Trichloroethene	9.353	130	36451	19.082 ug/l	98
45) 1,2-Dichloropropane	9.618	63	41737	20.377 ug/l	98
46) Dibromomethane	9.706	93	30830	21.643 ug/l	99
47) Bromodichloromethane	9.888	83	61560	20.793 ug/l #	99
48) Methyl methacrylate	9.683	41	46547	24.561 ug/l	97
49) 1,4-Dioxane	9.688	88	17280	604.336 ug/l	98
51) 4-Methyl-2-Pentanone	10.441	43	318442	129.744 ug/l	100
52) Toluene	10.630	92	97662	20.329 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	59559	20.456 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	64846	20.597 ug/l	96
55) 1,1,2-Trichloroethane	11.018	97	39290	21.662 ug/l	94
56) Ethyl methacrylate	10.871	69	60563	22.926 ug/l	96
57) 1,3-Dichloropropane	11.159	76	69454	21.817 ug/l	100
58) 2-Chloroethyl Vinyl ether	10.159	63	129546	101.360 ug/l	98
59) 2-Hexanone	11.194	43	233940	137.380 ug/l	99
60) Dibromochloromethane	11.359	129	45233	22.141 ug/l	98
61) 1,2-Dibromoethane	11.471	107	39093	21.785 ug/l	99
64) Tetrachloroethene	11.100	164	31941	19.779 ug/l	88
65) Chlorobenzene	11.888	112	106036	19.253 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	38196	20.664 ug/l	100
67) Ethyl Benzene	11.965	91	179367	19.584 ug/l	97
68) m/p-Xylenes	12.071	106	137099	40.903 ug/l	100
69) o-Xylene	12.400	106	63589	19.611 ug/l	94
70) Styrene	12.412	104	110639	21.054 ug/l	100
71) Bromoform	12.576	173	29153	22.772 ug/l #	99
73) Isopropylbenzene	12.694	105	165050	19.542 ug/l	100
74) N-amyl acetate	12.494	43	83946	23.220 ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.935	83	59699	22.193 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	49567m	22.600 ug/l	
77) Bromobenzene	12.982	156	40878	19.535 ug/l	98
78) n-propylbenzene	13.035	91	198704	20.183 ug/l	100
79) 2-Chlorotoluene	13.124	91	122848	19.827 ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	138695	20.302 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	19567	21.365 ug/l	94
82) 4-Chlorotoluene	13.218	91	125174	20.059 ug/l	98
83) tert-Butylbenzene	13.435	119	111505	18.842 ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	138052	20.294 ug/l	98
85) sec-Butylbenzene	13.618	105	159891	19.465 ug/l	100
86) p-Isopropyltoluene	13.729	119	131413	18.690 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	74234	19.569 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	74888	19.219 ug/l	100
89) n-Butylbenzene	14.059	91	108253	17.997 ug/l	99
90) Hexachloroethane	14.335	117	27227	20.221 ug/l	95
91) 1,2-Dichlorobenzene	14.106	146	72323	20.014 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.718	75	11727	24.495 ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	33168	18.391 ug/l	96
94) Hexachlorobutadiene	15.500	225	16097	17.964 ug/l	98
95) Naphthalene	15.641	128	111605	18.249 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	33821	18.769 ug/l	99

Sample Results: **VN085343.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085343.D
Acq On : 30 Dec 2024 14:25
Operator : JC\MD
Sample : VN1230WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 31 02:13:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024

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

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

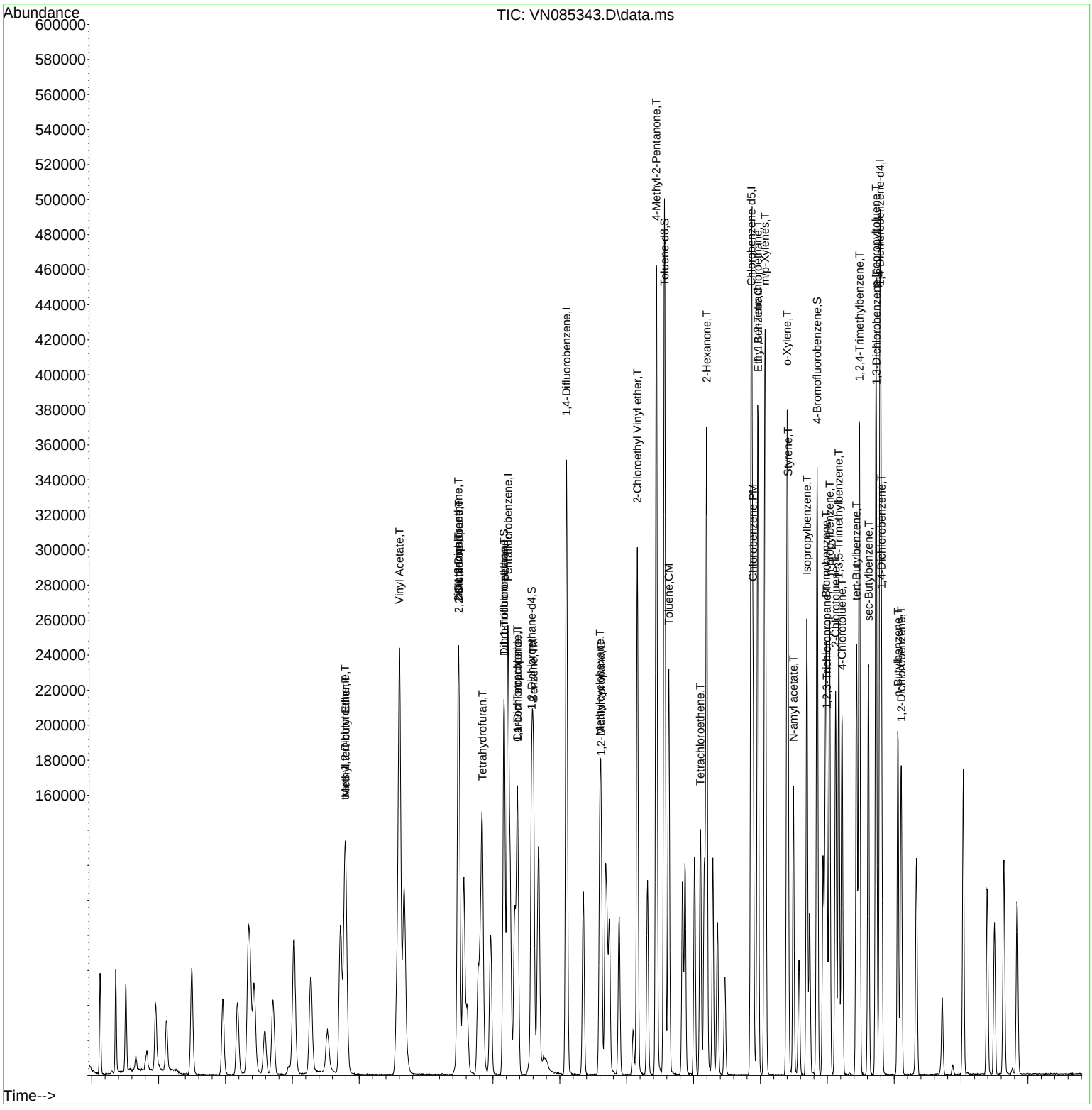
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN123024\
Data File : VN085343.D
Acq On : 30 Dec 2024 14:25
Operator : JC\MD
Sample : VN1230WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 31 02:13:13 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122724W.M
Quant Title : SW846 8260
QLast Update : Sat Dec 28 01:36:16 2024
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1230WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/31/2024
Supervised By :Mahesh Dadoda 12/31/2024



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Manual Integration Report

Sequence:	vn122724	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN085321.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:06 AM	MMDadoda	12/30/2024 12:45:09 PM	Peak Integrated by Software
VSTDICCC050	VN085322.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:11 AM	MMDadoda	12/30/2024 12:45:14 PM	Peak Integrated by Software
VSTDICCC050	VN085322.D	trans-1,4-Dichloro-2-but ene	JOHN	12/30/2024 9:19:11 AM	MMDadoda	12/30/2024 12:45:14 PM	Peak Integrated by Software
VSTDICC020	VN085323.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:15 AM	MMDadoda	12/30/2024 12:45:16 PM	Peak Integrated by Software
VSTDICC020	VN085323.D	Vinyl Acetate	JOHN	12/30/2024 9:19:15 AM	MMDadoda	12/30/2024 12:45:16 PM	Peak Integrated by Software
VSTDICC010	VN085324.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:21 AM	MMDadoda	12/30/2024 12:45:18 PM	Peak Integrated by Software
VSTDICC010	VN085324.D	trans-1,4-Dichloro-2-but ene	JOHN	12/30/2024 9:19:21 AM	MMDadoda	12/30/2024 12:45:18 PM	Peak Integrated by Software
VSTDICC010	VN085324.D	Vinyl Acetate	JOHN	12/30/2024 9:19:21 AM	MMDadoda	12/30/2024 12:45:18 PM	Peak Integrated by Software
VSTDICC005	VN085325.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:25 AM	MMDadoda	12/30/2024 12:45:20 PM	Peak Integrated by Software
VSTDICC005	VN085325.D	Vinyl Acetate	JOHN	12/30/2024 9:19:25 AM	MMDadoda	12/30/2024 12:45:20 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	1,1,2-Trichlorotrifluoroet hane	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	1,4-Dichlorobenzene	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn122724	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN085326.D	1,4-Dioxane	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	Acrylonitrile	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	Bromochloromethane	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICC001	VN085326.D	Methacrylonitrile	JOHN	12/30/2024 9:19:30 AM	MMDadoda	12/30/2024 12:45:21 PM	Peak Integrated by Software
VSTDICV050	VN085328.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:35 AM	MMDadoda	12/30/2024 12:45:23 PM	Peak Integrated by Software
VSTDCCC050	VN085337.D	1,2,3-Trichloropropane	JOHN	12/30/2024 9:19:56 AM	MMDadoda	12/30/2024 12:45:33 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN123024	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN085339.D	1,2,3-Trichloropropane	JOHN	12/31/2024 8:43:13 AM	MMDadoda	12/31/2024 3:54:39 PM	Peak Integrated by Software
VN1230WBS01	VN085342.D	1,2,3-Trichloropropane	JOHN	12/31/2024 8:43:18 AM	MMDadoda	12/31/2024 3:54:40 PM	Peak Integrated by Software
VN1230WBS01	VN085342.D	trans-1,4-Dichloro-2-but ene	JOHN	12/31/2024 8:43:18 AM	MMDadoda	12/31/2024 3:54:40 PM	Peak Integrated by Software
VN1230WBSD0 1	VN085343.D	1,2,3-Trichloropropane	JOHN	12/31/2024 8:43:23 AM	MMDadoda	12/31/2024 3:54:42 PM	Peak Integrated by Software
VSTDCCC050	VN085358.D	1,2,3-Trichloropropane	JOHN	12/31/2024 8:43:32 AM	MMDadoda	12/31/2024 3:54:45 PM	Peak Integrated by Software
VSTDCCC050	VN085358.D	trans-1,4-Dichloro-2-but ene	JOHN	12/31/2024 8:43:32 AM	MMDadoda	12/31/2024 3:54:45 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN122724

Review By	John Carlone	Review On	12/30/2024 9:27:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/30/2024 12:45:11 PM		
SubDirectory	VN122724	HP Acquire Method		HP Processing Method	82N122724W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132335
Initial Calibration Stds	VP132354,VP132355,VP132356,VP132357,VP132358,VP132359
CCC	VP132336
Internal Standard/PEM	
ICV/I.BLK	VP132360
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085320.D	27 Dec 2024 09:52	JC\MD	Ok
2	VSTDICC100	VN085321.D	27 Dec 2024 10:26	JC\MD	Ok,M
3	VSTDICCC050	VN085322.D	27 Dec 2024 10:50	JC\MD	Ok,M
4	VSTDICC020	VN085323.D	27 Dec 2024 11:13	JC\MD	Ok,M
5	VSTDICC010	VN085324.D	27 Dec 2024 11:37	JC\MD	Ok,M
6	VSTDICC005	VN085325.D	27 Dec 2024 12:01	JC\MD	Ok,M
7	VSTDICC001	VN085326.D	27 Dec 2024 12:48	JC\MD	Ok,M
8	IBLK	VN085327.D	27 Dec 2024 13:12	JC\MD	Ok
9	VSTDICV050	VN085328.D	27 Dec 2024 15:58	JC\MD	Ok,M
10	VN1227WBL01	VN085329.D	27 Dec 2024 16:33	JC\MD	Ok
11	VN1227WBS01	VN085330.D	27 Dec 2024 16:57	JC\MD	Ok,M
12	VN1227WBSD01	VN085331.D	27 Dec 2024 17:30	JC\MD	Ok,M
13	PB165857TB	VN085332.D	27 Dec 2024 17:55	JC\MD	Ok
14	P5362-02	VN085333.D	27 Dec 2024 18:18	JC\MD	Ok
15	P5380-02	VN085334.D	27 Dec 2024 18:42	JC\MD	Ok
16	P5386-02	VN085335.D	27 Dec 2024 19:06	JC\MD	Ok,M
17	P5386-04	VN085336.D	27 Dec 2024 19:30	JC\MD	Ok,M
18	VSTDCCC050	VN085337.D	27 Dec 2024 19:54	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN123024

Review By	John Carlone	Review On	12/31/2024 8:46:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/31/2024 3:55:22 PM		
SubDirectory	VN123024	HP Acquire Method		HP Processing Method	82N122724W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132376
Initial Calibration Stds	
CCC	VP132377,VP132378
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN085338.D	30 Dec 2024 10:39	JC\MD	Ok
2	VSTDCCC050	VN085339.D	30 Dec 2024 12:27	JC\MD	Ok,M
3	VN1230MBL01	VN085340.D	30 Dec 2024 13:02	JC\MD	Ok
4	VN1230WBL01	VN085341.D	30 Dec 2024 13:26	JC\MD	Ok
5	VN1230WBS01	VN085342.D	30 Dec 2024 13:50	JC\MD	Ok,M
6	VN1230WBSD01	VN085343.D	30 Dec 2024 14:25	JC\MD	Ok,M
7	P5386-05	VN085344.D	30 Dec 2024 14:49	JC\MD	Not Ok
8	P5369-01	VN085345.D	30 Dec 2024 15:14	JC\MD	Ok
9	P5369-02	VN085346.D	30 Dec 2024 15:38	JC\MD	Ok
10	P5369-03	VN085347.D	30 Dec 2024 16:02	JC\MD	Ok
11	P5369-04	VN085348.D	30 Dec 2024 16:26	JC\MD	Ok
12	P5394-01	VN085349.D	30 Dec 2024 16:50	JC\MD	Ok
13	P5394-02	VN085350.D	30 Dec 2024 17:14	JC\MD	Ok
14	P5394-03	VN085351.D	30 Dec 2024 17:38	JC\MD	Ok
15	P5394-04	VN085352.D	30 Dec 2024 18:02	JC\MD	Ok
16	VN1230MBS01	VN085353.D	30 Dec 2024 18:26	JC\MD	Ok,M
17	P5386-01ME	VN085354.D	30 Dec 2024 18:51	JC\MD	Ok
18	P5386-03	VN085355.D	30 Dec 2024 19:15	JC\MD	Not Ok
19	IBLK	VN085356.D	30 Dec 2024 19:39	JC\MD	Ok
20	P5386-05	VN085357.D	30 Dec 2024 20:03	JC\MD	ReRun
21	VSTDCCC050	VN085358.D	30 Dec 2024 20:27	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN122724

Review By	John Carlone	Review On	12/30/2024 9:27:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/30/2024 12:45:11 PM		
SubDirectory	VN122724	HP Acquire Method		HP Processing Method	82N122724W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132335
Initial Calibration Stds	VP132354,VP132355,VP132356,VP132357,VP132358,VP132359
CCC	VP132336
Internal Standard/PEM	
ICV/I.BLK	VP132360
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN085320.D	27 Dec 2024 09:52		JC\MD	Ok
2	VSTDICC100	VSTDICC100	VN085321.D	27 Dec 2024 10:26		JC\MD	Ok,M
3	VSTDICCC050	VSTDICCC050	VN085322.D	27 Dec 2024 10:50		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN085323.D	27 Dec 2024 11:13		JC\MD	Ok,M
5	VSTDICC010	VSTDICC010	VN085324.D	27 Dec 2024 11:37		JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN085325.D	27 Dec 2024 12:01		JC\MD	Ok,M
7	VSTDICC001	VSTDICC001	VN085326.D	27 Dec 2024 12:48	Comp #86 on QR	JC\MD	Ok,M
8	IBLK	IBLK	VN085327.D	27 Dec 2024 13:12		JC\MD	Ok
9	VSTDICV050	ICVVN122724	VN085328.D	27 Dec 2024 15:58		JC\MD	Ok,M
10	VN1227WBL01	VN1227WBL01	VN085329.D	27 Dec 2024 16:33		JC\MD	Ok
11	VN1227WBS01	VN1227WBS01	VN085330.D	27 Dec 2024 16:57		JC\MD	Ok,M
12	VN1227WBSD01	VN1227WBSD01	VN085331.D	27 Dec 2024 17:30		JC\MD	Ok,M
13	PB165857TB	PB165857TB	VN085332.D	27 Dec 2024 17:55		JC\MD	Ok
14	P5362-02	WC-SOIL-20241219	VN085333.D	27 Dec 2024 18:18	vial A pH#5.0	JC\MD	Ok
15	P5380-02	TAPIAL3-IDW-SOIL-12	VN085334.D	27 Dec 2024 18:42	vial A pH#5.0	JC\MD	Ok
16	P5386-02	MOO-24-00398	VN085335.D	27 Dec 2024 19:06	vial A pH#5.0	JC\MD	Ok,M
17	P5386-04	MOO-24-00395-96	VN085336.D	27 Dec 2024 19:30	vial A pH#5.0	JC\MD	Ok,M
18	VSTDCCC050	VSTDCCC050EC	VN085337.D	27 Dec 2024 19:54		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN122724

Review By	John Carlone	Review On	12/30/2024 9:27:13 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/30/2024 12:45:11 PM		
SubDirectory	VN122724	HP Acquire Method		HP Processing Method	82N122724W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132335
Initial Calibration Stds	VP132354,VP132355,VP132356,VP132357,VP132358,VP132359
CCC	VP132336
Internal Standard/PEM	
ICV/I.BLK	VP132360
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN123024

Review By	John Carlone	Review On	12/31/2024 8:46:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/31/2024 3:55:22 PM		
SubDirectory	VN123024	HP Acquire Method		HP Processing Method	82N122724W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132376
Initial Calibration Stds	
CCC	VP132377,VP132378
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	VN085338.D	30 Dec 2024 10:39		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN085339.D	30 Dec 2024 12:27	CCAL failed high for comp. #25	JC\MD	Ok,M
3	VN1230MBL01	VN1230MBL01	VN085340.D	30 Dec 2024 13:02		JC\MD	Ok
4	VN1230WBL01	VN1230WBL01	VN085341.D	30 Dec 2024 13:26		JC\MD	Ok
5	VN1230WBS01	VN1230WBS01	VN085342.D	30 Dec 2024 13:50		JC\MD	Ok,M
6	VN1230WBSD01	VN1230WBSD01	VN085343.D	30 Dec 2024 14:25	BSD failed high for comp. #16,25	JC\MD	Ok,M
7	P5386-05	MOO-24-00397	VN085344.D	30 Dec 2024 14:49	Need Straight Run	JC\MD	Not Ok
8	P5369-01	STORAGE-BLANK-SO	VN085345.D	30 Dec 2024 15:14	vial A pH<2	JC\MD	Ok
9	P5369-02	STORAGE-BLANK-SO	VN085346.D	30 Dec 2024 15:38	vial A pH<2	JC\MD	Ok
10	P5369-03	STORAGE-BLANK-SO	VN085347.D	30 Dec 2024 16:02	vial A pH<2	JC\MD	Ok
11	P5369-04	STORAGE-BLANK-SA	VN085348.D	30 Dec 2024 16:26	vial A pH<2	JC\MD	Ok
12	P5394-01	STORAGE-BLANK-SO	VN085349.D	30 Dec 2024 16:50	vial A pH<2	JC\MD	Ok
13	P5394-02	STORAGE-BLANK-SO	VN085350.D	30 Dec 2024 17:14	vial A pH<2	JC\MD	Ok
14	P5394-03	STORAGE-BLANK-SO	VN085351.D	30 Dec 2024 17:38	vial A pH<2	JC\MD	Ok
15	P5394-04	STORAGE-BLANK-SA	VN085352.D	30 Dec 2024 18:02	vial A pH<2	JC\MD	Ok
16	VN1230MBS01	VN1230MBS01	VN085353.D	30 Dec 2024 18:26		JC\MD	Ok,M
17	P5386-01ME	MOO-24-00398ME	VN085354.D	30 Dec 2024 18:51		JC\MD	Ok
18	P5386-03	MOO-24-00395-96	VN085355.D	30 Dec 2024 19:15	Need Straight Run	JC\MD	Not 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 # VN123024

Review By	John Carlone	Review On	12/31/2024 8:46:08 AM		
Supervise By	Mahesh Dadoda	Supervise On	12/31/2024 3:55:22 PM		
SubDirectory	VN123024	HP Acquire Method		HP Processing Method	82N122724W.M

STD. NAME	STD REF.#
Tune/Reschk	VP132376
Initial Calibration Stds	
CCC	VP132377,VP132378
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	IBLK	IBLK	VN085356.D	30 Dec 2024 19:39		JC\MD	Ok
20	P5386-05	MOO-24-00397	VN085357.D	30 Dec 2024 20:03	CCAL failed high for comp. #25; BSD failed high for comp. #16,25	JC\MD	ReRun
21	VSTDCCC050	VSTDCCC050EC	VN085358.D	30 Dec 2024 20:27		JC\MD	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/23/2024

OVENTEMP IN Celsius(°C): 106
Time IN: 16:30
In Date: 12/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 12/21/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB134046

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
P5318-01	AU-06-122024	15	1.15	8.84	9.99	8.77	86.2	
P5319-01	AUD-1617	16	1.00	1.00	2.00	2.00	100.0	wipe sample
P5361-01	SB-01-20241219-7.0-7.5	1	1.14	8.41	9.55	8.85	91.7	
P5361-02	SB-01-20241219-9.0-9.5	2	1.19	8.48	9.67	8.58	87.1	
P5362-01	WC-SOIL-20241219	3	1.13	8.70	9.83	9.13	92.0	
P5365-01	TAPFTA-SB01I-4.5-121924-00-T1	4	1.13	8.56	9.69	8.84	90.1	
P5369-05	SVOC-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
P5369-06	PEST-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
P5369-07	PEST-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
P5369-08	PCB-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
P5369-09	PCB-GPC-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
P5369-10	SVOC-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
P5369-11	PEST-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
P5369-12	PEST-GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
P5369-13	PCB-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
P5369-14	PCB-GPC2-BLANK-SPIKE	14	1.00	1.00	2.00	2.00	100.0	
P5377-01	GAS-TRE-1119	17	1.00	1.00	2.00	2.00	100.0	wipe sample

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

WORKLIST(Hardcopy Internal Chain)

VB34046

WorkList Name : %1-122024 **WorkList ID :** 186509 **Department :** Wet-Chemistry **Date :** 12-20-2024 08:05:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5318-01	AU-06-122024	Solid	Percent Solids	Cool 4 deg C	PSEG05	N31	12/20/2024	Chemtech -SO
P5319-01	AUD-1617	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	12/20/2024	Chemtech -SO
P5361-01	SB-01-20241219-7.0-7.5	Solid	Percent Solids	Cool 4 deg C	PARS02	N12	12/20/2024	Chemtech -SO
P5361-02	SB-01-20241219-9.0-9.5	Solid	Percent Solids	Cool 4 deg C	PARS02	N12	12/20/2024	Chemtech -SO
P5362-01	WC-SOIL-20241219	Solid	Percent Solids	Cool 4 deg C	PARS02	N21	12/19/2024	Chemtech -SO
P5365-01	TAPFTA-SB01I-4.5-121924-00-	Solid	Percent Solids	Cool 4 deg C	WEST04	N21	12/19/2024	Chemtech -SO
P5369-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5377-01	GAS-TRE-1119	Solid	Percent Solids	Cool 4 deg C	PSEG03	N13	12/20/2024	Chemtech -SO

Date/Time 12/20/24 16:15

Raw Sample Received by: TB WOC

Raw Sample Relinquished by: CB SM

Date/Time 12/20/24 17:30

Raw Sample Received by: CB SM

Raw Sample Relinquished by: TB WOC

SHIPPING DOCUMENTS

#1

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

Chemtech Project Number: P53629
COC Number:

CLIENT INFORMATION
Report to be sent to:
COMPANY: Chemtech
ADDRESS: 284 Sheffield Street
CITY: Mountainside STATE: NJ ZIP: 08816
ATTENTION: QA Officer
PHONE: (908) 789-8900 FAX: (908) 789-8922

PROJECT INFORMATION
PROJECT NAME: Weekly Storage Blanks
PROJECT #: LOCATION: NJ
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION
BILL TO: Same PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION
FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION
☐ Level 1 (Results Only)
☐ Level 2 (Results + QC)
☐ Level 3 (Results + QC + Raw Data)
☐ EDD FORMAT
☐ Level 4 (QC + Full Raw Data)
☐ NJ Reduced ☐ US EPA CLP
☐ NYS ASP A ☐ NYS ASP B
☐ Other

ANALYSIS
1 VOC-Blanks
2 SVOC-FULL+25 8270
3 Pesticide-TCL
4 PCB
5
6
7
8
9

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE: COMP	SAMPLE TYPE: GRAB	SAMPLE COLLECTION: DATE	SAMPLE COLLECTION: TIME	# of Bottles	PRESERVATIVES: A/E	1	2	3	4	5	6	7	8	9	COMMENTS
1.	Storage-Blank-SOIL-REF-6	AQ		X			2	X										
2.	Storage-Blank-WATER-REF-5	AQ		X			2	X										
3.	Storage-Blank-WATER-REF-4	AQ		X			2	X										
4.	Storage-Blank-SAMPLE-MANAGEMENT	AQ		X			2	X										
5.	SVOC-GPC-BLANK	SO		X			1		X									
6.	PEST-GPC-BLANK	SO		X			1			X								
7.	PEST-GPC-BLANK-SPIKE	SO		X			1			X								
8.	PCB-GPC-BLANK	SO		X			1				X							
9.	PCB-GPC-BLANK-SPIKE	SO		X			1				X							
10.	SVOC-GPC2-BLANK	SO		X			1		X									

Preservatives: A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. Sam	12/20/24	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 6.0
Comments:

CLIENT: ☐ Hand Delivered ☐ Other:
CHEMTECH: ☐ Picked Up

Shipment Complete ☐ YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH

CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax (908) 789-8922
www.chemtech.net

#2

Chemtech Project Number: PS3669
COC Number:

CLIENT INFORMATION

Report to be sent to:
COMPANY: CHEMTECH
ADDRESS: 284 Sheffield Street
CITY: Mountainside STATE: NJ ZIP: 07092
ATTENTION: QA Officer
PHONE: 908-789-8900 FAX: 908-789-8922

PROJECT INFORMATION

PROJECT NAME: Weekly Storage Blanks
PROJECT #: LOCATION: NJ
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION

BILL TO: SAME PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE:

DATA TURNAROUND INFORMATION

FAX (FLASH) DAYS*
HARDCOPY (DATA PACKAGE): 15 DAYS*
EDD: DAYS*
TO BE APPROVED BY CHEMTECH DAYS*
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only)
☐ Level 2 (Results + QC)
☐ Level 3 (Results + QC + Raw Data)
☐ EDD FORMAT
☐ Level 4 (QC + Full Raw Data)
☐ NJ Reduced ☐ UB EPA CLP
☐ NYS ASP A ☐ NYS ASP B
☐ Other

ANALYSIS

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE: GRAB	SAMPLE TYPE: COMP	SAMPLE COLLECTION: DATE	SAMPLE COLLECTION: TIME	# of bottles	PRESERVATIVES: A/E	1	2	3	4	5	6	7	8	9
1.	PEST-GRC2-BLANK	SO		X			1				X						
2.	PEST-GRC2-BLANK-SPIKE	SO		X			1				X						
3.	PCB-GRC2-BLANK	SO		X			1					X					
4.	PCB-GRC2-BLANK-SPIKE	SO		X			1					X					
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

COMMENTS <-- Specify Preservatives
A-HCl D-NaOH
B-HNO3 E-ICE
C-H2SO4 F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. [signature]	12/20/24	1.
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.		3.

Conditions of bottles or cooler at receipt: COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP: 6.6
Comments:

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other:
CHEMTECH: ☐ Picked Up

Shipment Complete: YES ☐ NO

10/2018

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

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