CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : 169 BRIDGETON PIKE MULLICA HILL, NJ # 0800X062

REMINGTON & VERNICK ENGINEERS

2059 Springdale Road

Cherry Hill, NJ - 08003

Phone No: 856-795-9595

ORDER ID : O2505

ATTENTION : Justin Zarzecki

NELAP ACCREDITED TNI LABORATORY

ANAB ACCREDITED ISO/IEC 17025 DOD ELAP

Laboratory Certification ID # 20012

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ANALYTICAL RESULTS
SUMMARY

PROJECT NAME : 169 BRIDGETON PIKE MULLICA HILL, NJ # 0800X062

REMINGTON & VERNICK ENGINEERS

2059 Springdale Road

Cherry Hill, NJ - 08003

Phone No: 856-795-9595

ORDER ID : O2505

ATTENTION : Justin Zarzecki

CHEMTECH

284 Sheffield Street, Mountainside, New Jersey - 07092

Phone: (908) 789 8900 Fax: (908) 789 8922

LAB CHRONICLE

OrderID:	O2505	**OrderDate:**	4/26/2023 11:28:25 AM
Client:	Remington & Vernick Engineers	**Project:**	169 Bridgeton Pike Mullica Hill, NJ # 0800X062
Contact:	Justin Zarzecki	**Location:**	M11,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
O2505-04	**WO-4**	**SOIL**			**04/25/23**			**04/26/23**
			VOC-TCLVOA-10	8260D			05/03/23	
O2505-04RE	**WO-4RE**	**SOIL**			**04/25/23**			**04/26/23**
			VOC-TCLVOA-10	8260D			05/04/23	
O2505-05	**WO-5**	**SOIL**			**04/25/23**			**04/26/23**
			VOC-TCLVOA-10	8260D			05/04/23	
O2505-05ME	**WO-5ME**	**SOIL**			**04/25/23**			**04/26/23**
			VOC-TCLVOA-10	8260D			05/10/23	

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- COVER PAGE -
ANALYSIS DATA PACKAGE

Client: Remington & Vernick Engineers

SDG No.: O2505 **Method Type:** EPA SW846 8260 **SOW No.:**

Contract: REMI02 **Lab Code:** CHEM **Case No.:** O2505 **SAS No.:** O2505

Lab Sample ID	Client Sample ID	QC Description
O2505-04	WO-4	
O2505-04RE	WO-4RE	
O2505-05	WO-5	
O2505-05ME	WO-5ME	
VX0510MBL01	VX0510MBL01	Method Blank
VX0510MBS01	VX0510MBS01	Laboratory Control Sample
VY0503SBL01	VY0503SBL01	Method Blank
VY0503SBS01	VY0503SBS01	Laboratory Control Sample
VY0503SBSD01	VY0503SBSD01	Laboratory Control Sample Duplicate
VY0504SBL01	VY0504SBL01	Method Blank
VY0504SBS01	VY0504SBS01	Laboratory Control Sample

Comments:

Signature: **Name:** shreena

Date: **Title:** Analyst

Comments: _____

_____

Signature: _____ **Name:** shreena

Date: _____ **Title:** Analyst

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Surrogate Summary

SDG No.: O2505

Client: Remington & Vernick Engineers

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
O2505-04	WO-4	1,2-Dichloroethane-d4	50	50.5	101		70 (50)	130 (163)
		Dibromofluoromethane	50	49.7	99		70 (54)	130 (147)
		Toluene-d8	50	48.8	98		70 (58)	130 (134)
		4-Bromofluorobenzene	50	29.9	60	*	70 (30)	130 (143)
O2505-04RE	WO-4RE	1,2-Dichloroethane-d4	50	60.0	120		70 (50)	130 (163)
		Dibromofluoromethane	50	54.3	109		70 (54)	130 (147)
		Toluene-d8	50	49.1	98		70 (58)	130 (134)
		4-Bromofluorobenzene	50	31.1	62	*	70 (30)	130 (143)
O2505-05	WO-5	1,2-Dichloroethane-d4	50	45.9	92		70 (50)	130 (163)
		Dibromofluoromethane	50	48.0	96		70 (54)	130 (147)
		Toluene-d8	50	48.2	96		70 (58)	130 (134)
		4-Bromofluorobenzene	50	28.4	57	*	70 (30)	130 (143)
O2505-05ME	WO-5ME	1,2-Dichloroethane-d4	50	42.7	85		70 (50)	130 (163)
		Dibromofluoromethane	50	47.8	96		70 (54)	130 (147)
		Toluene-d8	50	49.5	99		70 (58)	130 (134)
		4-Bromofluorobenzene	50	51.5	103		70 (30)	130 (143)
VX0510MBL01	VX0510MBL01	1,2-Dichloroethane-d4	50	42.4	85		70 (50)	130 (163)
		Dibromofluoromethane	50	51.1	102		70 (54)	130 (147)
		Toluene-d8	50	50.3	101		70 (58)	130 (134)
		4-Bromofluorobenzene	50	52.0	104		70 (30)	130 (143)
VX0510MBS01	VX0510MBS01	1,2-Dichloroethane-d4	50	46.6	93		70 (50)	130 (163)
		Dibromofluoromethane	50	55.7	111		70 (54)	130 (147)
		Toluene-d8	50	52.1	104		70 (58)	130 (134)
		4-Bromofluorobenzene	50	54.5	109		70 (30)	130 (143)
VY0503SBL01	VY0503SBL01	1,2-Dichloroethane-d4	50	57.8	116		70 (50)	130 (163)
		Dibromofluoromethane	50	52.2	104		70 (54)	130 (147)
		Toluene-d8	50	47.3	95		70 (58)	130 (134)
		4-Bromofluorobenzene	50	47.0	94		70 (30)	130 (143)
VY0503SBS01	VY0503SBS01	1,2-Dichloroethane-d4	50	52.9	106		70 (50)	130 (163)
		Dibromofluoromethane	50	52.6	105		70 (54)	130 (147)
		Toluene-d8	50	50.5	101		70 (58)	130 (134)
		4-Bromofluorobenzene	50	55.4	111		70 (30)	130 (143)
VY0503SBSD01	VY0503SBSD01	1,2-Dichloroethane-d4	50	53.0	106		70 (50)	130 (163)
		Dibromofluoromethane	50	52.1	104		70 (54)	130 (147)
		Toluene-d8	50	50.5	101		70 (58)	130 (134)
		4-Bromofluorobenzene	50	55.1	110		70 (30)	130 (143)
VY0504SBL01	VY0504SBL01	1,2-Dichloroethane-d4	50	54.3	109		70 (50)	130 (163)
		Dibromofluoromethane	50	50.5	101		70 (54)	130 (147)
		Toluene-d8	50	46.3	93		70 (58)	130 (134)
		4-Bromofluorobenzene	50	46.6	93		70 (30)	130 (143)
VY0504SBS01	VY0504SBS01	1,2-Dichloroethane-d4	50	50.5	101		70 (50)	130 (163)
		Dibromofluoromethane	50	50.9	102		70 (54)	130 (147)
		Toluene-d8	50	48.9	98		70 (58)	130 (134)
		4-Bromofluorobenzene	50	53.8	108		70 (30)	130 (143)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Analytical Method: SW8260D **Datafile :** VX035580.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0510MBS01	Dichlorodifluoromethane	2000	1500	ug/Kg	75			40 (64)	160 (136)	
	Chloromethane	2000	1700	ug/Kg	85			40 (70)	160 (130)	
	Vinyl chloride	2000	1600	ug/Kg	80			70 (72)	130 (129)	
	Bromomethane	2000	1300	ug/Kg	65			40 (58)	160 (141)	
	Chloroethane	2000	1600	ug/Kg	80			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1600	ug/Kg	80			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1700	ug/Kg	85			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1700	ug/Kg	85			70 (79)	130 (121)	
	Acetone	10000	7700	ug/Kg	77			40 (60)	160 (131)	
	Carbon disulfide	2000	1800	ug/Kg	90			40 (45)	160 (154)	
	Methyl tert-butyl Ether	2000	1800	ug/Kg	90			70 (77)	130 (129)	
	Methyl Acetate	2000	1600	ug/Kg	80			70 (69)	130 (149)	
	Methylene Chloride	2000	1600	ug/Kg	80			70 (39)	130 (175)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1700	ug/Kg	85			70 (82)	130 (123)	
	Cyclohexane	2000	1700	ug/Kg	85			70 (76)	130 (122)	
	2-Butanone	10000	7700	ug/Kg	77			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	1900	ug/Kg	95			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	1900	ug/Kg	95			70 (62)	130 (134)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1800	ug/Kg	90			70 (80)	130 (126)	
	Methylcyclohexane	2000	1800	ug/Kg	90			70 (77)	130 (123)	
	Benzene	2000	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1700	ug/Kg	85			70 (81)	130 (126)	
	Trichloroethene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	Bromodichloromethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8300	ug/Kg	83			40 (70)	160 (135)	
	Toluene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	2000	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	2000	ug/Kg	100			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	2-Hexanone	10000	8200	ug/Kg	82			40 (66)	160 (138)	
	Dibromochloromethane	2000	2200	ug/Kg	110			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	1900	ug/Kg	95			70 (80)	130 (125)	
	Tetrachloroethene	2000	1800	ug/Kg	90			70 (83)	130 (125)	
	Chlorobenzene	2000	1800	ug/Kg	90			70 (84)	130 (122)	
	Ethyl Benzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	m/p-Xylenes	4000	3800	ug/Kg	95			70 (83)	130 (124)	
	o-Xylene	2000	1900	ug/Kg	95			70 (83)	130 (123)	
	Styrene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	Bromoform	2000	2300	ug/Kg	115			70 (75)	130 (127)	
	Isopropylbenzene	2000	1900	ug/Kg	95			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1800	ug/Kg	90			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1900	ug/Kg	95			70 (83)	130 (124)	
	1,2-Dibromo-3-Chloropropane	2000	1800	ug/Kg	90			40 (66)	160 (134)	

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Analytical Method: SW8260D **Datafile :** VX035580.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0510MBS01	1,2,4-Trichlorobenzene	2000	1900	ug/Kg	95			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1900	ug/Kg	95			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Analytical Method: SW8260D **Datafile :** VY013571.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0503SBS01	Dichlorodifluoromethane	20	22.6	ug/Kg	113			40 (64)	160 (136)	
	Chloromethane	20	20.0	ug/Kg	100			40 (70)	160 (130)	
	Vinyl chloride	20	19.4	ug/Kg	97			70 (72)	130 (129)	
	Bromomethane	20	20.3	ug/Kg	102			40 (58)	160 (141)	
	Chloroethane	20	20.0	ug/Kg	100			40 (69)	160 (130)	
	Trichlorofluoromethane	20	21.4	ug/Kg	107			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.9	ug/Kg	104			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (60)	160 (131)	
	Carbon disulfide	20	20.0	ug/Kg	100			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	21.3	ug/Kg	106			70 (77)	130 (129)	
	Methyl Acetate	20	22.3	ug/Kg	112			70 (69)	130 (149)	
	Methylene Chloride	20	18.3	ug/Kg	92			70 (39)	130 (175)	
	trans-1,2-Dichloroethene	20	21.1	ug/Kg	106			70 (80)	130 (123)	
	1,1-Dichloroethane	20	21.5	ug/Kg	108			70 (82)	130 (123)	
	Cyclohexane	20	19.5	ug/Kg	98			70 (76)	130 (122)	
	2-Butanone	100	120	ug/Kg	120			40 (69)	160 (131)	
	Carbon Tetrachloride	20	23.2	ug/Kg	116			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.3	ug/Kg	106			70 (82)	130 (123)	
	Bromochloromethane	20	22.8	ug/Kg	114			70 (62)	130 (134)	
	Chloroform	20	22.2	ug/Kg	111			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	22.1	ug/Kg	111			70 (80)	130 (126)	
	Methylcyclohexane	20	20.5	ug/Kg	103			70 (77)	130 (123)	
	Benzene	20	22.3	ug/Kg	112			70 (84)	130 (121)	
	1,2-Dichloroethane	20	23.5	ug/Kg	117			70 (81)	130 (126)	
	Trichloroethene	20	22.1	ug/Kg	111			70 (83)	130 (122)	
	1,2-Dichloropropane	20	21.8	ug/Kg	109			70 (83)	130 (122)	
	Bromodichloromethane	20	22.8	ug/Kg	114			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	120	ug/Kg	120			40 (70)	160 (135)	
	Toluene	20	23.0	ug/Kg	115			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	23.0	ug/Kg	115			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	22.1	ug/Kg	111			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	23.4	ug/Kg	117			70 (82)	130 (125)	
	2-Hexanone	100	130	ug/Kg	130			40 (66)	160 (138)	
	Dibromochloromethane	20	23.8	ug/Kg	119			70 (79)	130 (125)	
	1,2-Dibromoethane	20	23.1	ug/Kg	116			70 (80)	130 (125)	
	Tetrachloroethene	20	22.3	ug/Kg	112			70 (83)	130 (125)	
	Chlorobenzene	20	22.2	ug/Kg	111			70 (84)	130 (122)	
	Ethyl Benzene	20	21.9	ug/Kg	110			70 (82)	130 (124)	
	m/p-Xylenes	40	44.8	ug/Kg	112			70 (83)	130 (124)	
	o-Xylene	20	21.9	ug/Kg	110			70 (83)	130 (123)	
	Styrene	20	22.7	ug/Kg	114			70 (82)	130 (124)	
	Bromoform	20	24.2	ug/Kg	121			70 (75)	130 (127)	
	Isopropylbenzene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	22.0	ug/Kg	110			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	22.2	ug/Kg	111			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	22.3	ug/Kg	112			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	22.8	ug/Kg	114			70 (83)	130 (124)	
	1,2-Dibromo-3-Chloropropane	20	23.0	ug/Kg	115			40 (66)	160 (134)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Analytical Method: SW8260D **Datafile :** VY013571.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0503SBS01	1,2,4-Trichlorobenzene	20	23.5	ug/Kg	117			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	24.5	ug/Kg	123			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Analytical Method: SW8260D **Datafile :** VY013572.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0503SBSD01	Dichlorodifluoromethane	20	21.9	ug/Kg	110	3		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.4	ug/Kg	97	3		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	18.8	ug/Kg	94	3		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.8	ug/Kg	99	3		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.0	ug/Kg	100	0		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.9	ug/Kg	104	3		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.6	ug/Kg	103	1		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.8	ug/Kg	99	4		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	9		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	19.5	ug/Kg	98	2		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	21.6	ug/Kg	108	2		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	24.1	ug/Kg	121	8		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	18.3	ug/Kg	92	0		70 (39)	130 (175)	30 (20)
	trans-1,2-Dichloroethene	20	20.8	ug/Kg	104	2		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	21.0	ug/Kg	105	3		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.2	ug/Kg	96	2		70 (76)	130 (122)	30 (20)
	2-Butanone	100	130	ug/Kg	130	8		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	22.7	ug/Kg	114	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105	1		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	21.8	ug/Kg	109	4		70 (62)	130 (134)	30 (20)
	Chloroform	20	21.7	ug/Kg	109	2		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	21.7	ug/Kg	109	2		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.1	ug/Kg	101	2		70 (77)	130 (123)	30 (20)
	Benzene	20	22.0	ug/Kg	110	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	23.7	ug/Kg	119	2		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	21.7	ug/Kg	109	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	22.0	ug/Kg	110	1		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	22.8	ug/Kg	114	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	130	ug/Kg	130	8		40 (70)	160 (135)	30 (20)
	Toluene	20	22.5	ug/Kg	113	2		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	22.8	ug/Kg	114	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	22.1	ug/Kg	111	0		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	23.7	ug/Kg	119	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	130	ug/Kg	130	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	23.6	ug/Kg	118	1		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	23.8	ug/Kg	119	3		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	22.2	ug/Kg	111	1		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	22.0	ug/Kg	110	1		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	21.5	ug/Kg	108	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	44.3	ug/Kg	111	1		70 (83)	130 (124)	30 (20)
	o-Xylene	20	21.5	ug/Kg	108	2		70 (83)	130 (123)	30 (20)
	Styrene	20	22.4	ug/Kg	112	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	24.7	ug/Kg	124	2		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.3	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	22.8	ug/Kg	114	4		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	22.1	ug/Kg	111	0		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	21.5	ug/Kg	108	4		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	22.2	ug/Kg	111	3		70 (83)	130 (124)	30 (20)
	1,2-Dibromo-3-Chloropropane	20	24.8	ug/Kg	124	8		40 (66)	160 (134)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Analytical Method: SW8260D **Datafile :** VY013572.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0503SBSD01	1,2,4-Trichlorobenzene	20	21.8	ug/Kg	109	7		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	23.2	ug/Kg	116	6		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Analytical Method: SW8260D **Datafile :** VY013595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0504SBS01	Dichlorodifluoromethane	20	21.8	ug/Kg	109			40 (64)	160 (136)	
	Chloromethane	20	19.0	ug/Kg	95			40 (70)	160 (130)	
	Vinyl chloride	20	18.3	ug/Kg	92			70 (72)	130 (129)	
	Bromomethane	20	18.5	ug/Kg	93			40 (58)	160 (141)	
	Chloroethane	20	17.9	ug/Kg	90			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.8	ug/Kg	104			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/Kg	100			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.5	ug/Kg	98			70 (79)	130 (121)	
	Acetone	100	98.9	ug/Kg	99			40 (60)	160 (131)	
	Carbon disulfide	20	18.4	ug/Kg	92			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.4	ug/Kg	102			70 (77)	130 (129)	
	Methyl Acetate	20	20.1	ug/Kg	101			70 (69)	130 (149)	
	Methylene Chloride	20	16.6	ug/Kg	83			70 (39)	130 (175)	
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	Cyclohexane	20	18.5	ug/Kg	93			70 (76)	130 (122)	
	2-Butanone	100	99.7	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	22.4	ug/Kg	112			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	21.0	ug/Kg	105			70 (82)	130 (123)	
	Bromochloromethane	20	20.8	ug/Kg	104			70 (62)	130 (134)	
	Chloroform	20	21.0	ug/Kg	105			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	21.6	ug/Kg	108			70 (80)	130 (126)	
	Methylcyclohexane	20	19.7	ug/Kg	99			70 (77)	130 (123)	
	Benzene	20	21.4	ug/Kg	107			70 (84)	130 (121)	
	1,2-Dichloroethane	20	22.7	ug/Kg	114			70 (81)	130 (126)	
	Trichloroethene	20	21.2	ug/Kg	106			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.7	ug/Kg	104			70 (83)	130 (122)	
	Bromodichloromethane	20	21.8	ug/Kg	109			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	22.0	ug/Kg	110			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	21.9	ug/Kg	110			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	21.1	ug/Kg	106			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.8	ug/Kg	109			70 (82)	130 (125)	
	2-Hexanone	100	110	ug/Kg	110			40 (66)	160 (138)	
	Dibromochloromethane	20	22.6	ug/Kg	113			70 (79)	130 (125)	
	1,2-Dibromoethane	20	21.6	ug/Kg	108			70 (80)	130 (125)	
	Tetrachloroethene	20	21.5	ug/Kg	108			70 (83)	130 (125)	
	Chlorobenzene	20	21.2	ug/Kg	106			70 (84)	130 (122)	
	Ethyl Benzene	20	20.8	ug/Kg	104			70 (82)	130 (124)	
	m/p-Xylenes	40	42.7	ug/Kg	107			70 (83)	130 (124)	
	o-Xylene	20	21.2	ug/Kg	106			70 (83)	130 (123)	
	Styrene	20	21.9	ug/Kg	110			70 (82)	130 (124)	
	Bromoform	20	22.9	ug/Kg	115			70 (75)	130 (127)	
	Isopropylbenzene	20	19.5	ug/Kg	98			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.7	ug/Kg	99			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	21.4	ug/Kg	107			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	21.1	ug/Kg	106			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.3	ug/Kg	106			70 (83)	130 (124)	
	1,2-Dibromo-3-Chloropropane	20	21.0	ug/Kg	105			40 (66)	160 (134)	

( ) = LABORATORY INHOUSE LIMIT

CHEMTECH

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Analytical Method: SW8260D **Datafile :** VY013595.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0504SBS01	1,2,4-Trichlorobenzene	20	21.7	ug/Kg	109			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	23.0	ug/Kg	115			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0510MBL01

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VX035578.D Lab Sample ID: VX0510MBL01

Date Analyzed: 05/10/2023 Time Analyzed: 11:39

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

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0510MBS01	VX0510MBS01	VX035580.D	05/10/2023
WO-5ME	O2505-05ME	VX035583.D	05/10/2023

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0503SBL01

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VY013570.D Lab Sample ID: VY0503SBL01

Date Analyzed: 05/03/2023 Time Analyzed: 10:43

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0503SBS01	VY0503SBS01	VY013571.D	05/03/2023
VY0503SBSD01	VY0503SBSD01	VY013572.D	05/03/2023
WO-4	O2505-04	VY013590.D	05/03/2023

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0504SBL01

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VY013594.D Lab Sample ID: VY0504SBL01

Date Analyzed: 05/04/2023 Time Analyzed: 12:56

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0504SBS01	VY0504SBS01	VY013595.D	05/04/2023
WO-5	O2505-05	VY013598.D	05/04/2023
WO-4RE	O2505-04RE	VY013605.D	05/04/2023

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VX035269.D BFB Injection Date: 04/25/2023

Instrument ID: MSVOA_X BFB Injection Time: 08:57

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	75.5
175	5.0 - 9.0% of mass 174	5.9 (7.8) 1
176	95.0 - 101.0% of mass 174	75.2 (99.5) 1
177	5.0 - 9.0% of mass 176	5.1 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX035272.D	04/25/2023	10:37
VSTDICC005	VSTDICC005	VX035273.D	04/25/2023	11:00
VSTDICC020	VSTDICC020	VX035274.D	04/25/2023	11:23
VSTDICCC050	VSTDICCC050	VX035275.D	04/25/2023	11:46
VSTDICC150	VSTDICC150	VX035277.D	04/25/2023	12:32
VSTDICC100	VSTDICC100	VX035279.D	04/25/2023	13:21

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VX035576.D BFB Injection Date: 05/10/2023

Instrument ID: MSVOA_X BFB Injection Time: 09:41

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.2
75	30.0 - 60.0% of mass 95	46.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.6 (0.7) 1
174	50.0 - 100.0% of mass 95	81.5
175	5.0 - 9.0% of mass 174	6.2 (7.6) 1
176	95.0 - 101.0% of mass 174	79.9 (98.1) 1
177	5.0 - 9.0% of mass 176	5.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX035577.D	05/10/2023	11:03
VX0510MBL01	VX0510MBL01	VX035578.D	05/10/2023	11:39
VX0510MBS01	VX0510MBS01	VX035580.D	05/10/2023	12:30
WO-5ME	O2505-05ME	VX035583.D	05/10/2023	13:53

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VY013391.D BFB Injection Date: 04/24/2023

Instrument ID: MSVOA_Y BFB Injection Time: 09:12

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	54.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	1.1 (1.1) 1
174	50.0 - 100.0% of mass 95	98.7
175	5.0 - 9.0% of mass 174	7.7 (7.8) 1
176	95.0 - 101.0% of mass 174	96.4 (97.6) 1
177	5.0 - 9.0% of mass 176	6.5 (6.7) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY013393.D	04/24/2023	11:26
VSTDICC010	VSTDICC010	VY013394.D	04/24/2023	11:48
VSTDICC020	VSTDICC020	VY013395.D	04/24/2023	12:11
VSTDICCC050	VSTDICCC050	VY013396.D	04/24/2023	12:34
VSTDICC100	VSTDICC100	VY013397.D	04/24/2023	12:56
VSTDICC150	VSTDICC150	VY013398.D	04/24/2023	13:19

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VY013568.D BFB Injection Date: 05/03/2023

Instrument ID: MSVOA_Y BFB Injection Time: 09:07

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.3
75	30.0 - 60.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.8 (2) 1
174	50.0 - 100.0% of mass 95	92.2
175	5.0 - 9.0% of mass 174	7.3 (7.9) 1
176	95.0 - 101.0% of mass 174	89.4 (97) 1
177	5.0 - 9.0% of mass 176	5.9 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY013569.D	05/03/2023	09:38
VY0503SBL01	VY0503SBL01	VY013570.D	05/03/2023	10:43
VY0503SBS01	VY0503SBS01	VY013571.D	05/03/2023	11:05
VY0503SBSD01	VY0503SBSD01	VY013572.D	05/03/2023	11:28
WO-4	O2505-04	VY013590.D	05/03/2023	18:31

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VY013592.D BFB Injection Date: 05/04/2023

Instrument ID: MSVOA_Y BFB Injection Time: 09:17

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.7 (1.8) 1
174	50.0 - 100.0% of mass 95	93.6
175	5.0 - 9.0% of mass 174	7.2 (7.7) 1
176	95.0 - 101.0% of mass 174	90.2 (96.4) 1
177	5.0 - 9.0% of mass 176	5.8 (6.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY013593.D	05/04/2023	10:51
VY0504SBL01	VY0504SBL01	VY013594.D	05/04/2023	12:56
VY0504SBS01	VY0504SBS01	VY013595.D	05/04/2023	13:18
WO-5	O2505-05	VY013598.D	05/04/2023	14:29
WO-4RE	O2505-04RE	VY013605.D	05/04/2023	17:13

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: MSVOA_X Calibration Date(s): 04/25/2023 04/25/2023

Heated Purge: (Y/N) N Calibration Time(s): 10:37 13:21

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

LAB FILE ID: RRF001 = VX035272.D RRF005 = VX035273.D RRF020 = VX035274.D
RRF050 = VX035275.D RRF150 = VX035277.D RRF100 = VX035279.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.488	0.488	0.515	0.550	0.543	0.589	0.529	7.5
Chloromethane	0.521	0.467	0.445	0.473	0.484	0.498	0.481	5.4
Vinyl Chloride	0.485	0.479	0.449	0.478	0.488	0.518	0.483	4.6
Bromomethane		0.316	0.307	0.317	0.328	0.336	0.321	3.5
Chloroethane	0.332	0.268	0.264	0.277	0.268	0.285	0.282	9
Trichlorofluoromethane	0.848	0.740	0.719	0.732	0.713	0.778	0.755	6.8
1,1,2-Trichlorotrifluoroethane	0.562	0.496	0.459	0.493	0.483	0.532	0.504	7.3
1,1-Dichloroethene	0.545	0.475	0.444	0.471	0.475	0.504	0.486	7.2
Acetone	0.310	0.255	0.247	0.253	0.237	0.270	0.262	9.9
Carbon Disulfide	1.168	1.018	1.053	1.182	1.259	1.304	1.164	9.6
Methyl tert-butyl Ether	1.731	1.674	1.558	1.657	1.649	1.727	1.666	3.8
Methyl Acetate	1.071	0.953	0.968	1.022	1.018	1.048	1.013	4.5
Methylene Chloride	0.840	0.588	0.536	0.539	0.536	0.565	0.601	19.8
trans-1,2-Dichloroethene	0.567	0.535	0.488	0.514	0.515	0.546	0.527	5.2
1,1-Dichloroethane	0.982	0.949	0.895	0.949	0.944	0.997	0.953	3.7
Cyclohexane		0.842	0.832	0.855	0.841	0.909	0.856	3.6
2-Butanone	0.395	0.386	0.365	0.382	0.373	0.394	0.382	3.1
Carbon Tetrachloride	0.427	0.412	0.429	0.466	0.485	0.511	0.455	8.5
cis-1,2-Dichloroethene	0.713	0.600	0.569	0.598	0.606	0.634	0.620	8.1
Bromochloromethane	0.364	0.421	0.404	0.415	0.417	0.414	0.406	5.2
Chloroform	0.969	0.967	0.924	0.960	0.950	0.999	0.962	2.6
1,1,1-Trichloroethane	0.848	0.797	0.778	0.851	0.874	0.908	0.843	5.7
Methylcyclohexane	0.593	0.561	0.550	0.580	0.579	0.637	0.583	5.2
Benzene	1.473	1.386	1.313	1.345	1.325	1.406	1.375	4.3
1,2-Dichloroethane	0.514	0.498	0.464	0.482	0.479	0.504	0.490	3.8
Trichloroethene	0.391	0.383	0.358	0.372	0.372	0.395	0.379	3.6
1,2-Dichloropropane	0.366	0.335	0.325	0.344	0.344	0.364	0.347	4.7
Bromodichloromethane	0.404	0.406	0.406	0.455	0.470	0.490	0.438	8.7
4-Methyl-2-Pentanone	0.465	0.459	0.439	0.454	0.434	0.461	0.452	2.8
Toluene	0.911	0.880	0.829	0.864	0.845	0.899	0.871	3.6
t-1,3-Dichloropropene	0.351	0.368	0.434	0.496	0.539	0.559	0.458	19.1
cis-1,3-Dichloropropene	0.419	0.459	0.496	0.553	0.577	0.603	0.518	13.8
1,1,2-Trichloroethane	0.382	0.344	0.326	0.343	0.336	0.352	0.347	5.6

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: MSVOA_X Calibration Date(s): 04/25/2023 04/25/2023

Heated Purge: (Y/N) N Calibration Time(s): 10:37 13:21

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

LAB FILE ID: RRF001 = VX035272.D RRF005 = VX035273.D RRF020 = VX035274.D
RRF050 = VX035275.D RRF150 = VX035277.D RRF100 = VX035279.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF150	RRF100	$\overline{RRF}$	% RSD
2-Hexanone	0.339	0.342	0.332	0.347	0.322	0.354	0.339	3.3
Dibromochloromethane	0.271	0.290	0.315	0.355	0.375	0.390	0.333	14.4
1,2-Dibromoethane	0.355	0.347	0.345	0.362	0.361	0.379	0.358	3.4
Tetrachloroethene	0.447	0.394	0.356	0.363	0.351	0.386	0.383	9.4
Chlorobenzene	1.214	1.127	0.997	1.030	1.022	1.101	1.082	7.6
Ethyl Benzene	1.993	1.874	1.739	1.854	1.811	1.969	1.873	5.1
m/p-Xylenes	0.731	0.731	0.679	0.710	0.697	0.760	0.718	4
o-Xylene	0.705	0.717	0.669	0.697	0.690	0.745	0.704	3.7
Styrene	1.078	1.132	1.088	1.154	1.147	1.248	1.141	5.3
Bromoform	0.213	0.219	0.234	0.279	0.306	0.321	0.262	17.7
Isopropylbenzene	3.616	3.740	3.546	3.603	3.607	3.818	3.655	2.8
1,1,2,2-Tetrachloroethane	1.225	1.172	1.082	1.102	1.085	1.142	1.134	5
1,3-Dichlorobenzene	1.794	1.735	1.619	1.675	1.721	1.816	1.727	4.3
1,4-Dichlorobenzene	2.166	1.837	1.637	1.681	1.706	1.834	1.810	10.6
1,2-Dichlorobenzene	2.007	1.786	1.599	1.632	1.600	1.738	1.727	9.1
1,2-Dibromo-3-Chloropropane	0.202	0.192	0.214	0.238	0.261	0.258	0.227	12.8
1,2,4-Trichlorobenzene	1.123	0.998	1.002	1.058	1.132	1.201	1.085	7.4
1,2,3-Trichlorobenzene	1.181	1.071	1.004	1.046	1.098	1.156	1.093	6.1
1,2-Dichloroethane-d4		0.633	0.613	0.597	0.573	0.600	0.603	3.7
Dibromofluoromethane		0.302	0.309	0.308	0.297	0.318	0.307	2.6
Toluene-d8		1.179	1.191	1.167	1.087	1.165	1.158	3.5
4-Bromofluorobenzene		0.428	0.442	0.436	0.421	0.450	0.435	2.6

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: MSVOA_Y Calibration Date(s): 04/24/2023 04/24/2023

Heated Purge: (Y/N) Y Calibration Time(s): 11:26 13:19

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

LAB FILE ID: RRF005 = VY013393.D RRF010 = VY013394.D RRF020 = VY013395.D
RRF050 = VY013396.D RRF100 = VY013397.D RRF150 = VY013398.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.389	0.497	0.490	0.489	0.500	0.487	0.475	9
Chloromethane	0.634	0.672	0.622	0.623	0.615	0.656	0.637	3.5
Vinyl Chloride	0.628	0.631	0.616	0.620	0.643	0.668	0.634	3
Bromomethane	0.542	0.524	0.484	0.472	0.483	0.528	0.506	5.8
Chloroethane	0.432	0.422	0.414	0.415	0.447	0.500	0.438	7.5
Trichlorofluoromethane	0.938	0.978	0.979	0.953	0.969	0.949	0.961	1.8
1,1,2-Trichlorotrifluoroethane	0.536	0.542	0.549	0.523	0.546	0.539	0.539	1.7
1,1-Dichloroethene	0.506	0.512	0.522	0.525	0.523	0.529	0.520	1.7
Acetone	0.225	0.198	0.189	0.237	0.211	0.235	0.216	9.2
Carbon Disulfide	1.555	1.728	1.695	1.727	1.701	1.722	1.688	3.9
Methyl tert-butyl Ether	1.455	1.450	1.431	1.556	1.489	1.621	1.500	4.9
Methyl Acetate	0.749	0.705	0.663	0.724	0.667	0.770	0.713	6
Methylene Chloride	1.590	1.194	0.879	0.665	0.600	0.613	0.924	42.9
trans-1,2-Dichloroethene	0.536	0.588	0.564	0.581	0.558	0.581	0.568	3.4
1,1-Dichloroethane	1.034	1.071	1.034	1.057	1.019	1.089	1.050	2.5
Cyclohexane	1.062	0.970	0.959	0.943	0.973	0.982	0.981	4.2
2-Butanone	0.272	0.264	0.247	0.288	0.265	0.306	0.274	7.5
Carbon Tetrachloride	0.521	0.557	0.546	0.553	0.560	0.545	0.547	2.6
cis-1,2-Dichloroethene	0.615	0.634	0.618	0.633	0.613	0.653	0.628	2.5
Bromochloromethane	0.366	0.399	0.391	0.369	0.339	0.373	0.373	5.7
Chloroform	1.033	1.085	1.032	1.040	1.009	1.066	1.044	2.6
1,1,1-Trichloroethane	0.926	0.942	0.922	0.938	0.923	0.940	0.932	1
Methylcyclohexane	0.566	0.573	0.596	0.628	0.667	0.662	0.615	7.1
Benzene	1.438	1.501	1.447	1.487	1.456	1.492	1.470	1.8
1,2-Dichloroethane	0.476	0.501	0.468	0.491	0.464	0.485	0.481	2.9
Trichloroethene	0.397	0.392	0.389	0.395	0.386	0.387	0.391	1.1
1,2-Dichloropropane	0.373	0.391	0.380	0.387	0.377	0.398	0.384	2.4
Bromodichloromethane	0.503	0.524	0.504	0.522	0.505	0.529	0.515	2.3
4-Methyl-2-Pentanone	0.348	0.358	0.344	0.390	0.371	0.405	0.369	6.5
Toluene	0.830	0.903	0.877	0.904	0.881	0.913	0.885	3.4
t-1,3-Dichloropropene	0.499	0.547	0.537	0.564	0.546	0.576	0.545	4.9
cis-1,3-Dichloropropene	0.595	0.612	0.600	0.624	0.609	0.637	0.613	2.5
1,1,2-Trichloroethane	0.311	0.310	0.297	0.308	0.293	0.308	0.305	2.4

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: MSVOA_Y Calibration Date(s): 04/24/2023 04/24/2023

Heated Purge: (Y/N) Y Calibration Time(s): 11:26 13:19

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

LAB FILE ID: RRF005 = VY013393.D RRF010 = VY013394.D RRF020 = VY013395.D
RRF050 = VY013396.D RRF100 = VY013397.D RRF150 = VY013398.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
2-Hexanone	0.245	0.259	0.249	0.291	0.273	0.294	0.269	7.8
Dibromochloromethane	0.356	0.377	0.367	0.383	0.360	0.376	0.370	2.8
1,2-Dibromoethane	0.303	0.311	0.279	0.308	0.289	0.306	0.299	4.2
Tetrachloroethene	0.384	0.384	0.368	0.383	0.386	0.375	0.380	1.8
Chlorobenzene	1.077	1.116	1.074	1.094	1.087	1.087	1.089	1.4
Ethyl Benzene	1.759	1.878	1.878	1.955	1.996	2.009	1.913	4.9
m/p-Xylenes	0.654	0.725	0.726	0.744	0.761	0.754	0.727	5.3
o-Xylene	0.634	0.672	0.680	0.714	0.713	0.713	0.688	4.7
Styrene	1.029	1.147	1.139	1.187	1.189	1.208	1.150	5.6
Bromoform	0.294	0.287	0.277	0.291	0.279	0.285	0.285	2.3
Isopropylbenzene	3.365	3.588	3.680	3.898	4.055	4.105	3.782	7.6
1,1,2,2-Tetrachloroethane	0.939	0.908	0.867	0.953	0.918	0.961	0.924	3.7
1,3-Dichlorobenzene	1.777	1.763	1.716	1.774	1.721	1.724	1.746	1.6
1,4-Dichlorobenzene	1.832	1.830	1.710	1.772	1.721	1.716	1.764	3.2
1,2-Dichlorobenzene	1.580	1.595	1.521	1.622	1.563	1.579	1.577	2.1
1,2-Dibromo-3-Chloropropane	0.166	0.165	0.145	0.164	0.162	0.177	0.163	6.2
1,2,4-Trichlorobenzene	0.974	0.935	0.873	0.951	0.950	0.957	0.940	3.8
1,2,3-Trichlorobenzene	0.837	0.830	0.788	0.861	0.859	0.853	0.838	3.3
1,2-Dichloroethane-d4	0.619	0.590	0.575	0.520	0.476	0.508	0.548	10
Dibromofluoromethane	0.340	0.336	0.327	0.296	0.291	0.297	0.314	7
Toluene-d8	1.174	1.219	1.193	1.049	1.034	1.043	1.119	7.6
4-Bromofluorobenzene	0.413	0.412	0.394	0.352	0.345	0.347	0.377	8.7

* 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.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: MSVOA_X Calibration Date/Time: 05/10/2023 11:03

Lab File ID: VX035577.D Init. Calib. Date(s): 04/25/2023 04/25/2023

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:37 13:21

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.529	0.473		-10.59	20
Chloromethane	0.481	0.482	0.1	0.21	20
Vinyl Chloride	0.483	0.438		-9.32	20
Bromomethane	0.321	0.263		-18.07	20
Chloroethane	0.282	0.258		-8.51	20
Trichlorofluoromethane	0.755	0.704		-6.76	20
1,1,2-Trichlorotrifluoroethane	0.504	0.519		2.98	20
1,1-Dichloroethene	0.486	0.489		0.62	20
Acetone	0.262	0.268		2.29	20
Carbon Disulfide	1.164	1.269		9.02	20
Methyl tert-butyl Ether	1.666	1.802		8.16	20
Methyl Acetate	1.013	1.062		4.84	20
Methylene Chloride	0.601	0.584		-2.83	20
trans-1,2-Dichloroethene	0.527	0.554		5.12	20
1,1-Dichloroethane	0.953	0.994	0.1	4.3	20
Cyclohexane	0.856	0.830		-3.04	20
2-Butanone	0.382	0.386		1.05	20
Carbon Tetrachloride	0.455	0.529		16.26	20
cis-1,2-Dichloroethene	0.620	0.683		10.16	20
Bromochloromethane	0.406	0.400		-1.48	20
Chloroform	0.962	1.046		8.73	20
1,1,1-Trichloroethane	0.843	0.935		10.91	20
Methylcyclohexane	0.583	0.563		-3.43	20
Benzene	1.375	1.492		8.51	20
1,2-Dichloroethane	0.490	0.498		1.63	20
Trichloroethene	0.379	0.436		15.04	20
1,2-Dichloropropane	0.347	0.386		11.24	20
Bromodichloromethane	0.438	0.540		23.29	20
4-Methyl-2-Pentanone	0.452	0.471		4.2	20
Toluene	0.871	0.982		12.74	20
t-1,3-Dichloropropene	0.458	0.613		33.84	20
cis-1,3-Dichloropropene	0.518	0.657		26.83	20
1,1,2-Trichloroethane	0.347	0.401		15.56	20
2-Hexanone	0.339	0.356		5.01	20
Dibromochloromethane	0.333	0.458		37.54	20
1,2-Dibromoethane	0.358	0.428		19.55	20
Tetrachloroethene	0.383	0.405		5.74	20
Chlorobenzene	1.082	1.228	0.3	13.49	20
Ethyl Benzene	1.873	2.095		11.85	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: MSVOA_X Calibration Date/Time: 05/10/2023 11:03

Lab File ID: VX035577.D Init. Calib. Date(s): 04/25/2023 04/25/2023

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:37 13:21

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.718	0.831		15.74	20
o-Xylene	0.704	0.824		17.05	20
Styrene	1.141	1.378		20.77	20
Bromoform	0.262	0.397	0.1	51.53	20
Isopropylbenzene	3.655	4.142		13.32	20
1,1,2,2-Tetrachloroethane	1.134	1.318	0.3	16.23	20
1,3-Dichlorobenzene	1.727	2.035		17.83	20
1,4-Dichlorobenzene	1.810	2.071		14.42	20
1,2-Dichlorobenzene	1.727	2.019		16.91	20
1,2-Dibromo-3-Chloropropane	0.227	0.276		21.59	20
1,2,4-Trichlorobenzene	1.085	1.290		18.89	20
1,2,3-Trichlorobenzene	1.093	1.249		14.27	20
1,2-Dichloroethane-d4	0.603	0.520		-13.77	20
Dibromofluoromethane	0.307	0.319		3.91	20
Toluene-d8	1.158	1.110		-4.14	20
4-Bromofluorobenzene	0.435	0.439		0.92	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: MSVOA_Y Calibration Date/Time: 05/03/2023 09:38

Lab File ID: VY013569.D Init. Calib. Date(s): 04/24/2023 04/24/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:26 13:19

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.475	0.505		6.32	20
Chloromethane	0.637	0.587	0.1	-7.85	20
Vinyl Chloride	0.634	0.585		-7.73	20
Bromomethane	0.506	0.434		-14.23	20
Chloroethane	0.438	0.391		-10.73	20
Trichlorofluoromethane	0.961	0.982		2.18	20
1,1,2-Trichlorotrifluoroethane	0.539	0.535		-0.74	20
1,1-Dichloroethene	0.520	0.510		-1.92	20
Acetone	0.216	0.241		11.57	20
Carbon Disulfide	1.688	1.598		-5.33	20
Methyl tert-butyl Ether	1.500	1.542		2.8	20
Methyl Acetate	0.713	0.697		-2.24	20
Methylene Chloride	0.924	0.649		-29.76	20
trans-1,2-Dichloroethene	0.568	0.583		2.64	20
1,1-Dichloroethane	1.050	1.072	0.1	2.1	20
Cyclohexane	0.981	0.912		-7.03	20
2-Butanone	0.274	0.287		4.74	20
Carbon Tetrachloride	0.547	0.634		15.9	20
cis-1,2-Dichloroethene	0.628	0.660		5.1	20
Bromochloromethane	0.373	0.370		-0.8	20
Chloroform	1.044	1.140		9.19	20
1,1,1-Trichloroethane	0.932	1.000		7.3	20
Methylcyclohexane	0.615	0.636		3.41	20
Benzene	1.470	1.624		10.48	20
1,2-Dichloroethane	0.481	0.546		13.51	20
Trichloroethene	0.391	0.426		8.95	20
1,2-Dichloropropane	0.384	0.423		10.16	20
Bromodichloromethane	0.515	0.594		15.34	20
4-Methyl-2-Pentanone	0.369	0.405		9.76	20
Toluene	0.885	0.989		11.75	20
t-1,3-Dichloropropene	0.545	0.612		12.29	20
cis-1,3-Dichloropropene	0.613	0.683		11.42	20
1,1,2-Trichloroethane	0.305	0.342		12.13	20
2-Hexanone	0.269	0.309		14.87	20
Dibromochloromethane	0.370	0.423		14.32	20
1,2-Dibromoethane	0.299	0.330		10.37	20
Tetrachloroethene	0.380	0.414		8.95	20
Chlorobenzene	1.089	1.190	0.3	9.27	20
Ethyl Benzene	1.913	2.134		11.55	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: MSVOA_Y Calibration Date/Time: 05/03/2023 09:38

Lab File ID: VY013569.D Init. Calib. Date(s): 04/24/2023 04/24/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:26 13:19

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.727	0.817		12.38	20
o-Xylene	0.688	0.770		11.92	20
Styrene	1.150	1.328		15.48	20
Bromoform	0.285	0.328	0.1	15.09	20
Isopropylbenzene	3.782	4.043		6.9	20
1,1,2,2-Tetrachloroethane	0.924	0.967	0.3	4.65	20
1,3-Dichlorobenzene	1.746	1.920		9.97	20
1,4-Dichlorobenzene	1.764	1.912		8.39	20
1,2-Dichlorobenzene	1.577	1.755		11.29	20
1,2-Dibromo-3-Chloropropane	0.163	0.170		4.29	20
1,2,4-Trichlorobenzene	0.940	1.060		12.77	20
1,2,3-Trichlorobenzene	0.838	0.952		13.6	20
1,2-Dichloroethane-d4	0.548	0.546		-0.37	20
Dibromofluoromethane	0.314	0.331		5.41	20
Toluene-d8	1.119	1.129		0.89	20
4-Bromofluorobenzene	0.377	0.400		6.1	20

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

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: MSVOA_Y Calibration Date/Time: 05/04/2023 10:51

Lab File ID: VY013593.D Init. Calib. Date(s): 04/24/2023 04/24/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:26 13:19

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.475	0.484		1.89	20
Chloromethane	0.637	0.571	0.1	-10.36	20
Vinyl Chloride	0.634	0.561		-11.51	20
Bromomethane	0.506	0.409		-19.17	20
Chloroethane	0.438	0.358		-18.26	20
Trichlorofluoromethane	0.961	0.936		-2.6	20
1,1,2-Trichlorotrifluoroethane	0.539	0.505		-6.31	20
1,1-Dichloroethene	0.520	0.473		-9.04	20
Acetone	0.216	0.214		-0.93	20
Carbon Disulfide	1.688	1.413		-16.29	20
Methyl tert-butyl Ether	1.500	1.433		-4.47	20
Methyl Acetate	0.713	0.635		-10.94	20
Methylene Chloride	0.924	0.628		-32.03	20
trans-1,2-Dichloroethene	0.568	0.532		-6.34	20
1,1-Dichloroethane	1.050	1.003	0.1	-4.48	20
Cyclohexane	0.981	0.840		-14.37	20
2-Butanone	0.274	0.259		-5.47	20
Carbon Tetrachloride	0.547	0.567		3.66	20
cis-1,2-Dichloroethene	0.628	0.610		-2.87	20
Bromochloromethane	0.373	0.363		-2.68	20
Chloroform	1.044	1.052		0.77	20
1,1,1-Trichloroethane	0.932	0.936		0.43	20
Methylcyclohexane	0.615	0.579		-5.85	20
Benzene	1.470	1.455		-1.02	20
1,2-Dichloroethane	0.481	0.497		3.33	20
Trichloroethene	0.391	0.386		-1.28	20
1,2-Dichloropropane	0.384	0.380		-1.04	20
Bromodichloromethane	0.515	0.538		4.47	20
4-Methyl-2-Pentanone	0.369	0.353		-4.34	20
Toluene	0.885	0.900		1.7	20
t-1,3-Dichloropropene	0.545	0.560		2.75	20
cis-1,3-Dichloropropene	0.613	0.613		0	20
1,1,2-Trichloroethane	0.305	0.307		0.66	20
2-Hexanone	0.269	0.266		-1.12	20
Dibromochloromethane	0.370	0.384		3.78	20
1,2-Dibromoethane	0.299	0.295		-1.34	20
Tetrachloroethene	0.380	0.375		-1.32	20
Chlorobenzene	1.089	1.090	0.3	0.09	20
Ethyl Benzene	1.913	1.949		1.88	20

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG No.: O2505

Instrument ID: MSVOA_Y Calibration Date/Time: 05/04/2023 10:51

Lab File ID: VY013593.D Init. Calib. Date(s): 04/24/2023 04/24/2023

Heated Purge: (Y/N) Y Init. Calib. Time(s): 11:26 13:19

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
m/p-Xylenes	0.727	0.743		2.2	20
o-Xylene	0.688	0.705		2.47	20
Styrene	1.150	1.204		4.7	20
Bromoform	0.285	0.297	0.1	4.21	20
Isopropylbenzene	3.782	3.738		-1.16	20
1,1,2,2-Tetrachloroethane	0.924	0.862	0.3	-6.71	20
1,3-Dichlorobenzene	1.746	1.767		1.2	20
1,4-Dichlorobenzene	1.764	1.769		0.28	20
1,2-Dichlorobenzene	1.577	1.604		1.71	20
1,2-Dibromo-3-Chloropropane	0.163	0.154		-5.52	20
1,2,4-Trichlorobenzene	0.940	1.031		9.68	20
1,2,3-Trichlorobenzene	0.838	0.935		11.57	20
1,2-Dichloroethane-d4	0.548	0.545		-0.55	20
Dibromofluoromethane	0.314	0.326		3.82	20
Toluene-d8	1.119	1.100		-1.7	20
4-Bromofluorobenzene	0.377	0.395		4.78	20

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: 02505 SAS No.: 02505 SDG NO.: 02505

Lab File ID: VX035577.D Date Analyzed: 05/10/2023

Instrument ID: MSVOA_X Time Analyzed: 11:03

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	304037	5.55	472336	6.76	419791	10.06
UPPER LIMIT	608074	6.05	944672	7.257	839582	10.555
LOWER LIMIT	152019	5.05	236168	6.257	209896	9.555
EPA SAMPLE NO.						
WO-5ME	320122	5.54	523267	6.76	483217	10.06
VX0510MBL01	303684	5.54	486455	6.76	448788	10.06
VX0510MBS01	332854	5.55	511449	6.76	454101	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VY013569.D Date Analyzed: 05/03/2023

Instrument ID: MSVOA_Y Time Analyzed: 09:38

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	278513	7.79	413285	8.69	371747	11.49
UPPER LIMIT	557026	8.289	826570	9.191	743494	11.99
LOWER LIMIT	139257	7.289	206643	8.191	185874	10.99
EPA SAMPLE NO.						
WO-4	176608	7.79	265223	8.69	172034 *	11.49
VY0503SBL01	232503	7.80	377616	8.69	341722	11.49
VY0503SBS01	271635	7.79	413118	8.69	374754	11.49
VY0503SBSD01	284383	7.79	425765	8.69	385661	11.49

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.

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VY013593.D Date Analyzed: 05/04/2023

Instrument ID: MSVOA_Y Time Analyzed: 10:51

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	250488	7.79	378178	8.69	337645	11.49
UPPER LIMIT	500976	8.289	756356	9.191	675290	11.989
LOWER LIMIT	125244	7.289	189089	8.191	168823	10.989
EPA SAMPLE NO.						
WO-4RE	185104	7.79	290135	8.69	196144	11.49
WO-5	222574	7.79	319310	8.69	186803	11.49
VY0504SBL01	255159	7.79	404185	8.69	365713	11.49
VY0504SBS01	269145	7.79	405684	8.69	368873	11.49

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VX035577.D Date Analyzed: 05/10/2023

Instrument ID: MSVOA_X Time Analyzed: 11:03

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

	IS4 AREA #	RT #				
12 HOUR STD	209220	12.018				
UPPER LIMIT	418440	12.518				
LOWER LIMIT	104610	11.518				
EPA SAMPLE NO.						
WO-5ME	242563	12.02				
VX0510MBL01	216205	12.02				
VX0510MBS01	232176	12.02				

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.**

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VY013569.D Date Analyzed: 05/03/2023

Instrument ID: MSVOA_Y Time Analyzed: 09:38

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

	IS4 AREA #	RT #				
12 HOUR STD	185710	13.428				
UPPER LIMIT	371420	13.928				
LOWER LIMIT	92855	12.928				
EPA SAMPLE NO.						
WO-4	47607 *	13.42				
VY0503SBL01	163532	13.43				
VY0503SBS01	193494	13.43				
VY0503SBSD01	196900	13.43				

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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: REMI02

Lab Code: CHEM Case No.: O2505 SAS No.: O2505 SDG NO.: O2505

Lab File ID: VY013593.D Date Analyzed: 05/04/2023

Instrument ID: MSVOA_Y Time Analyzed: 10:51

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

	IS4 AREA #		RT #				
12 HOUR STD	170159		13.428				
UPPER LIMIT	340318		13.928				
LOWER LIMIT	85079.5		12.928				
EPA SAMPLE NO.							
WO-4RE	51026	*	13.42				
WO-5	38455	*	13.43				
VY0504SBL01	176412		13.42				
VY0504SBS01	192181		13.43				

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.

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Hit Summary Sheet
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**WO-4**								
O2505-04	WO-4	SOIL	Acetone		90.0		28.0	74.5	ug/Kg
O2505-04	WO-4	SOIL	Cyclohexane		4.80	J	2.10	14.9	ug/Kg
O2505-04	WO-4	SOIL	4-Methyl-2-Pentanone		13.7	J	13.4	74.5	ug/Kg
O2505-04	WO-4	SOIL	Tetrachloroethene		32.9		2.30	14.9	ug/Kg
			Total Voc :		141				
O2505-04	WO-4	SOIL	Adamantane	*	140	J	0	0	ug/Kg
O2505-04	WO-4	SOIL	Naphthalene, decahydro-, trans	*	150	J	0	0	ug/Kg
O2505-04	WO-4	SOIL	2-Methyladamantane	*	170	J	0	0	ug/Kg
O2505-04	WO-4	SOIL	Naphthalene, decahydro-2-metl	*	160	J	0	0	ug/Kg
O2505-04	WO-4	SOIL	Hexane, 2,2,5-trimethyl-	*	130	J	0	0	ug/Kg
O2505-04	WO-4	SOIL	2-Octene, 2,6-dimethyl-	*	150	J	0	0	ug/Kg
O2505-04	WO-4	SOIL	1,3,6-Trimethyladamantane	*	150	J	0	0	ug/Kg
O2505-04	WO-4	SOIL	2-Adamantan-1-yl-5-(4-nitro-1l	*	180	J	0	0	ug/Kg
O2505-04	WO-4	SOIL	Carbonic acid, tridecyl vinyl es	*	150	J	0	0	ug/Kg
O2505-04	WO-4	SOIL	1,4-Dimethyladamantane (isom	*	190	J	0	0	ug/Kg
O2505-04	WO-4	SOIL	1,3,5-Trimethylbenzene	*	5.00	J	1.90	14.9	ug/Kg
O2505-04	WO-4	SOIL	1,2,4-Trimethylbenzene	*	8.30	J	2.00	14.9	ug/Kg
O2505-04	WO-4	SOIL	p-Isopropyltoluene	*	4.30	J	2.20	14.9	ug/Kg
			Total Tics :		1590				
			Total Concentration:		1730				
Client ID:	**WO-4RE**								
O2505-04RE	WO-4RE	SOIL	Acetone		61.4	J	24.1	64.2	ug/Kg
O2505-04RE	WO-4RE	SOIL	Tetrachloroethene		8.40	J	2.00	12.8	ug/Kg
			Total Voc :		69.8				
			Total Concentration:		69.8				
Client ID:	**WO-5**								
O2505-05	WO-5	SOIL	Acetone		400		18.6	49.7	ug/Kg
O2505-05	WO-5	SOIL	Cyclohexane		110		1.40	9.90	ug/Kg
O2505-05	WO-5	SOIL	2-Butanone		90.2		14.4	49.7	ug/Kg
O2505-05	WO-5	SOIL	Methylcyclohexane		150		6.70	9.90	ug/Kg
O2505-05	WO-5	SOIL	Benzene		2.70	J	1.30	9.90	ug/Kg
O2505-05	WO-5	SOIL	Toluene		930	E	1.30	9.90	ug/Kg
O2505-05	WO-5	SOIL	Tetrachloroethene		78.7		1.50	9.90	ug/Kg
O2505-05	WO-5	SOIL	Ethyl Benzene		150		1.30	9.90	ug/Kg
O2505-05	WO-5	SOIL	m/p-Xylenes		550		2.80	19.9	ug/Kg
O2505-05	WO-5	SOIL	o-Xylene		450	E	1.50	9.90	ug/Kg
O2505-05	WO-5	SOIL	Isopropylbenzene		110		1.40	9.90	ug/Kg

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Hit Summary Sheet
SW-846

SDG No.: O2505

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Voc :		3020				
O2505-05	WO-5	SOIL	unknown14.385	*	420	J	0	0	ug/Kg
O2505-05	WO-5	SOIL	Pentane, 2,3,3-trimethyl-	*	730	J	0	0	ug/Kg
O2505-05	WO-5	SOIL	Pentane, 2,3,4-trimethyl-	*	610	J	0	0	ug/Kg
O2505-05	WO-5	SOIL	Butane, 2,2,3,3-tetramethyl-	*	1400	J	0	0	ug/Kg
O2505-05	WO-5	SOIL	Benzene, 1-ethyl-2-methyl-	*	610	J	0	0	ug/Kg
O2505-05	WO-5	SOIL	Benzene, 1-ethenyl-2-methyl-	*	470	J	0	0	ug/Kg
O2505-05	WO-5	SOIL	Benzene, 1-ethyl-4-methyl-	*	520	J	0	0	ug/Kg
O2505-05	WO-5	SOIL	1-Phenyl-1-butene	*	290	J	0	0	ug/Kg
O2505-05	WO-5	SOIL	1H-Indene, 2,3-dihydro-5-meth	*	500	J	0	0	ug/Kg
O2505-05	WO-5	SOIL	Benzene, 2-ethyl-1,4-dimethyl-	*	510	J	0	0	ug/Kg
O2505-05	WO-5	SOIL	Tert butyl alcohol	*	96.8	J	39.0	49.7	ug/Kg
O2505-05	WO-5	SOIL	n-propylbenzene	*	230	J	1.40	9.90	ug/Kg
O2505-05	WO-5	SOIL	1,3,5-Trimethylbenzene	*	710	J	1.30	9.90	ug/Kg
O2505-05	WO-5	SOIL	1,2,4-Trimethylbenzene	*	1100	J	1.30	9.90	ug/Kg
O2505-05	WO-5	SOIL	sec-Butylbenzene	*	47.7	J	1.50	9.90	ug/Kg
O2505-05	WO-5	SOIL	p-Isopropyltoluene	*	28.9	J	1.50	9.90	ug/Kg
O2505-05	WO-5	SOIL	n-Butylbenzene	*	53.3	J	1.40	9.90	ug/Kg
			Total Tics :		8330				
			Total Concentration:		11300				
Client ID:	**WO-5ME**								
O2505-05ME	WO-5ME	SOIL	Acetone		1200	JD	960	2600	ug/Kg
O2505-05ME	WO-5ME	SOIL	Methyl Acetate		1400	D	170	510	ug/Kg
O2505-05ME	WO-5ME	SOIL	Toluene		820	D	66.5	510	ug/Kg
O2505-05ME	WO-5ME	SOIL	Tetrachloroethene		97.3	JD	78.8	510	ug/Kg
O2505-05ME	WO-5ME	SOIL	Ethyl Benzene		110	JD	68.5	510	ug/Kg
O2505-05ME	WO-5ME	SOIL	m/p-Xylenes		470	JD	150	1000	ug/Kg
O2505-05ME	WO-5ME	SOIL	o-Xylene		280	JD	78.8	510	ug/Kg
			Total Voc :		4380				
			Total Concentration:		4380				

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NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: VX042523

SequenceID : VX042523

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)	✓		
2. GC/MS Tuning Specifications. BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)	✓		
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 series	✓		
4. GC/MS Calibration - Initial Calibration performed Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series	✓		
5. GC/MS Calibration Requirements	✓		
5a. Initial Calibration Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	✓		
5b. Continous Calibration(CCC) Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	✓		
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓		
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	✓		
8a. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	✓		
8b. Blank Spike/Blank spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	✓		
9. Internal Standard Area/Retention Time Shift Meet Criteria	✓		
10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:	✓		

Comments:

JOHN
Analyst

04/25/2023
Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: VX042523

SequenceID : VX042523 NA NO YES

ADDITIONAL COMMENTS:

O2431-02. This sample has OK status at straight 50x dilution due to sample being yellow in color and turbid, not allowing straight run analysis.

O2429-01. This is unpreserved sample

JOHN

Analyst

04/25/2023

Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: VX042523

SequenceID : VX042523 NA NO YES

JOHN 04/25/2023

Analyst Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: VX051023

SequenceID : VX051023

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)	✓		
2. GC/MS Tuning Specifications. BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)	✓		
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 series	✓		
4. GC/MS Calibration - Initial Calibration performed Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series	✓		
5. GC/MS Calibration Requirements	✓		
5a. Initial Calibration Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	✓		
5b. Continous Calibration(CCC) Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	✓		
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓		
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	✓		
8a. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	✓		
8b. Blank Spike/Blank spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	✓		
9. Internal Standard Area/Retention Time Shift Meet Criteria	✓		
10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:	✓		

Comments:

JOHN
Analyst

05/11/2023
Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: VX051023

SequenceID : VX051023 NA NO YES

ADDITIONAL COMMENTS:

O2658-05. This is a very foamy sample. Sample cannot be run at lower dilution.

O2652-04. This TCLP sample was run at straight 5x dilution due to sample being very turbid and foamy not allowing straight run

o2505-05me analyzed as medium level as low level soil has overrange analytes,samples are received as teracore vials and one of the analyte methyl Acetate not confirming low level soil.

JOHN

Analyst

05/11/2023

Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: VX051023

SequenceID : VX051023 NA NO YES

JOHN
Analyst

05/11/2023
Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Vy042423

SequenceID : Vy042423

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)	✓		
2. GC/MS Tuning Specifications. BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)	✓		
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 series	✓		
4. GC/MS Calibration - Initial Calibration performed Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series	✓		
5. GC/MS Calibration Requirements	✓		
5a. Initial Calibration Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.			✓

The %RSD is greater than 15% in the Initial Calibration method (82Y042423S.M) for Methylene Chloride this compound is passing on Linear Regression.

5b. Continous Calibration(CCC) Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	✓		
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	✓		
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	✓		
8a. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	✓		
8b. Blank Spike/Blank spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	✓		
9. Internal Standard Area/Retention Time Shift Meet Criteria	✓		

Comments:

10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:	✓		

Krupa — Analyst

04/25/2023 — Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Vy042423

SequenceID : Vy042423 NA NO YES

ADDITIONAL COMMENTS:

project O2371 sample number 1,3,5,7,9,11,15,17 was analyzed again for confirmation due to BS BSD failure in Re-run but sample 1,3 and 17 did not purge hence lab will report first and second analysis for the same.
O2371 sample 09 and 11 does not match with the original run due to heat of lab contaminant Acetone and MeCL2.

Krupa
Analyst

04/25/2023
Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: Vy042423

SequenceID : Vy042423 NA NO YES

Krupa 04/25/2023

Analyst Date

CHEMTECH

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: _____

SequenceID : _____

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)	____	____	____
2. GC/MS Tuning Specifications. BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)	____	____	____
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 series	____	____	____
4. GC/MS Calibration - Initial Calibration performed Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series	____	____	____
5. GC/MS Calibration Requirements	____	____	____
5a. Initial Calibration Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	____	____	____
5b. Continous Calibration(CCC) Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	____	____	____
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	____	____	____
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	____	____	____
8a. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	____	____	____
8b. Blank Spike/Blank spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	____	____	____
9. Internal Standard Area/Retention Time Shift Meet Criteria	____	____	____
10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:	____	____	____

Comments:

_____ _____

Analyst Date

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: _____

SequenceID : _____ NA NO YES

ADDITIONAL COMMENTS:

_____ _____

Analyst Date

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: _____

SequenceID : _____ NA NO YES

_____ _____

Analyst Date

CHEMTECH

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: _____

SequenceID : _____

	NA	NO	YES
1. Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)	____	____	____
2. GC/MS Tuning Specifications. BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)	____	____	____
3. GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 series	____	____	____
4. GC/MS Calibration - Initial Calibration performed Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series	____	____	____
5. GC/MS Calibration Requirements	____	____	____
5a. Initial Calibration Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	____	____	____
5b. Continous Calibration(CCC) Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	____	____	____
6. Blank Contamination - If yes, list compounds and concentrations in each blank:	____	____	____
7. Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges.	____	____	____
8a. Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	____	____	____
8b. Blank Spike/Blank spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.	____	____	____
9. Internal Standard Area/Retention Time Shift Meet Criteria	____	____	____
10. Analysis Holding Time Met If not met, list number of days exceeded for each sample:	____	____	____

Comments:

_____ _____

Analyst Date

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: _____

SequenceID : _____ NA NO YES

ADDITIONAL COMMENTS:

_____ _____

Analyst Date

NEW JERSEY LAB ID#:20012 : NEW YORK LAB ID#: 11376

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

CHEMTECH PROJECT NUMBER: _____

SequenceID : _____ NA NO YES

_____ _____

Analyst Date

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX042523

Review By	John Carlone	Review On	4/26/2023 9:41:43 AM		
Supervise By	Krupa Patel	Supervise On	4/26/2023 1:38:22 PM		
SubDirectory	VX042523	HP Acquire Method		HP Processing Method	82X042523W.M

STD. NAME	STD REF.#
Tune/Reschk	VP120077
Initial Calibration Stds	VP120095,VP120096,VP120097,VP120098,VP120099,VP120100
CCC	VP120078,VP120094
Internal Standard/PEM	
ICV/I.BLK	VP120101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX035269.D	25 Apr 2023 08:57	JC/MD	Ok
2	VSTDCCC050	VX035270.D	25 Apr 2023 09:25	JC/MD	Not Ok
3	IBLK	VX035271.D	25 Apr 2023 09:51	JC/MD	Ok
4	VSTDICC001	VX035272.D	25 Apr 2023 10:37	JC/MD	Ok,M
5	VSTDICC005	VX035273.D	25 Apr 2023 11:00	JC/MD	Ok,M
6	VSTDICC020	VX035274.D	25 Apr 2023 11:23	JC/MD	Ok,M
7	VSTDICCC050	VX035275.D	25 Apr 2023 11:46	JC/MD	Ok,M
8	VSTDICC100	VX035276.D	25 Apr 2023 12:09	JC/MD	Not Ok
9	VSTDICC150	VX035277.D	25 Apr 2023 12:32	JC/MD	Ok,M
10	IBLK	VX035278.D	25 Apr 2023 12:56	JC/MD	Ok
11	VSTDICC100	VX035279.D	25 Apr 2023 13:21	JC/MD	Ok,M
12	IBLK	VX035280.D	25 Apr 2023 13:44	JC/MD	Ok
13	VSTDICV050	VX035281.D	25 Apr 2023 14:10	JC/MD	Ok,M
14	VX0425MBL01	VX035282.D	25 Apr 2023 14:40	JC/MD	Ok
15	VX0425WBL01	VX035283.D	25 Apr 2023 15:03	JC/MD	Ok
16	O2406-01	VX035284.D	25 Apr 2023 15:26	JC/MD	Ok
17	O2431-01	VX035285.D	25 Apr 2023 15:50	JC/MD	Ok
18	O2431-02	VX035286.D	25 Apr 2023 16:13	JC/MD	Ok
19	O2403-01DL	VX035287.D	25 Apr 2023 16:36	JC/MD	Ok
20	O2403-07DL	VX035288.D	25 Apr 2023 17:00	JC/MD	Ok
21	O2403-13DL	VX035289.D	25 Apr 2023 17:23	JC/MD	Ok
22	VX0425MBS01	VX035290.D	25 Apr 2023 17:46	JC/MD	Ok,M
23	VX0425MBSD01	VX035291.D	25 Apr 2023 18:09	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX042523

Review By	John Carlone	Review On	4/26/2023 9:41:43 AM		
Supervise By	Krupa Patel	Supervise On	4/26/2023 1:38:22 PM		
SubDirectory	VX042523	HP Acquire Method		HP Processing Method	82X042523W.M

STD. NAME	STD REF.#
Tune/Reschk	VP120077
Initial Calibration Stds	VP120095,VP120096,VP120097,VP120098,VP120099,VP120100
CCC	VP120078,VP120094
Internal Standard/PEM	
ICV/I.BLK	VP120101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	VX0425WBS01	VX035292.D	25 Apr 2023 18:32	JC/MD	Ok,M
25	VX0425WBSD01	VX035293.D	25 Apr 2023 18:55	JC/MD	Ok,M
26	IBLK	VX035294.D	25 Apr 2023 19:18	JC/MD	Ok
27	O2423-17	VX035295.D	25 Apr 2023 19:42	JC/MD	Ok
28	O2429-01	VX035296.D	25 Apr 2023 20:05	JC/MD	Ok
29	VSTDCCC050	VX035297.D	25 Apr 2023 20:28	JC/MD	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051023

Review By	John Carlone	Review On	5/11/2023 10:02:29 AM		
Supervise By	Krupa Patel	Supervise On	5/11/2023 12:16:17 PM		
SubDirectory	VX051023	HP Acquire Method		HP Processing Method	82X042523W.M

STD. NAME	STD REF.#
Tune/Reschk	VP120449
Initial Calibration Stds	
CCC	VP120450,VP120451
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX035576.D	10 May 2023 09:41	JC/MD	Ok
2	VSTDCCC050	VX035577.D	10 May 2023 11:03	JC/MD	Ok,M
3	VX0510MBL01	VX035578.D	10 May 2023 11:39	JC/MD	Ok
4	VX0510WBL01	VX035579.D	10 May 2023 12:02	JC/MD	Ok
5	VX0510MBS01	VX035580.D	10 May 2023 12:30	JC/MD	Ok,M
6	VX0510MBSD01	VX035581.D	10 May 2023 13:07	JC/MD	Ok,M
7	O2666-01	VX035582.D	10 May 2023 13:30	JC/MD	Ok
8	O2505-05ME	VX035583.D	10 May 2023 13:53	JC/MD	Ok
9	VX0510WBS01	VX035584.D	10 May 2023 14:17	JC/MD	Ok,M
10	VX0510WBSD01	VX035585.D	10 May 2023 14:50	JC/MD	Ok,M
11	O2658-05	VX035586.D	10 May 2023 15:14	JC/MD	Ok
12	O2648-03DL	VX035587.D	10 May 2023 15:37	JC/MD	Ok
13	VX0510MBSD01	VX035588.D	10 May 2023 16:00	JC/MD	Ok,M
14	O2658-07DL	VX035589.D	10 May 2023 16:23	JC/MD	Ok,M
15	O2719-14	VX035590.D	10 May 2023 16:46	JC/MD	ReRun
16	O2723-12	VX035591.D	10 May 2023 17:10	JC/MD	Ok
17	O2719-12	VX035592.D	10 May 2023 17:33	JC/MD	Ok
18	O2746-03	VX035593.D	10 May 2023 17:56	JC/MD	Ok
19	O2743-07	VX035594.D	10 May 2023 18:19	JC/MD	Ok
20	O2744-01	VX035595.D	10 May 2023 18:43	JC/MD	Dilution
21	O2742-01	VX035596.D	10 May 2023 19:06	JC/MD	ReRun
22	O2652-04	VX035597.D	10 May 2023 19:29	JC/MD	Ok
23	VSTDCCC050	VX035598.D	10 May 2023 19:52	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051023

Review By	John Carlone	Review On	5/11/2023 10:02:29 AM		
Supervise By	Krupa Patel	Supervise On	5/11/2023 12:16:17 PM		
SubDirectory	VX051023	HP Acquire Method		HP Processing Method	82X042523W.M

STD. NAME	STD REF.#
Tune/Reschk	VP120449
Initial Calibration Stds	
CCC	VP120450,VP120451
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042423

Review By	Krupa Patel	Review On	4/25/2023 2:57:10 PM				
Supervise By	Mahesh Dadoda	Supervise On	4/25/2023 2:58:19 PM				
SubDirectory	VY042423	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042423s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP120034,VP120070
Initial Calibration Stds	VP120035,VP120036,VP120037,VP120038,VP120039,VP120040
CCC	VP120042,VP120068,VP120069
Internal Standard/PEM	VP116738
ICV/I.BLK	VP120042
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY013391.D	24 Apr 2023 09:12	KP/MD	Ok
2	VSTDICV050	VY013392.D	24 Apr 2023 10:23	KP/MD	Not Ok
3	VSTDICC005	VY013393.D	24 Apr 2023 11:26	KP/MD	Ok,M
4	VSTDICC010	VY013394.D	24 Apr 2023 11:48	KP/MD	Ok,M
5	VSTDICC020	VY013395.D	24 Apr 2023 12:11	KP/MD	Ok,M
6	VSTDICCC050	VY013396.D	24 Apr 2023 12:34	KP/MD	Ok,M
7	VSTDICC100	VY013397.D	24 Apr 2023 12:56	KP/MD	Ok,M
8	VSTDICC150	VY013398.D	24 Apr 2023 13:19	KP/MD	Ok,M
9	VIBLK	VY013399.D	24 Apr 2023 13:43	KP/MD	Ok
10	VSTDICV050	VY013400.D	24 Apr 2023 14:26	KP/MD	Ok,M
11	VY0424SBL01	VY013401.D	24 Apr 2023 15:24	KP/MD	Ok
12	VY0424SBS01	VY013402.D	24 Apr 2023 15:52	KP/MD	Ok,M
13	VY0424SBSD01	VY013403.D	24 Apr 2023 16:15	KP/MD	Ok,M
14	O2406-01RE	VY013404.D	24 Apr 2023 16:40	KP/MD	Not Ok
15	O2406-03	VY013405.D	24 Apr 2023 17:03	KP/MD	Ok
16	O2371-01	VY013406.D	24 Apr 2023 17:26	KP/MD	Not Ok
17	O2371-03	VY013407.D	24 Apr 2023 17:50	KP/MD	Not Ok
18	O2371-05RE	VY013408.D	24 Apr 2023 18:13	KP/MD	Confirms
19	O2371-07	VY013409.D	24 Apr 2023 18:37	KP/MD	Ok
20	O2371-09RE	VY013410.D	24 Apr 2023 19:00	KP/MD	Confirms
21	O2371-11RE	VY013411.D	24 Apr 2023 19:24	KP/MD	Confirms
22	O2371-15RE	VY013412.D	24 Apr 2023 19:47	KP/MD	Confirms
23	O2371-17	VY013413.D	24 Apr 2023 20:10	KP/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042423

Review By	Krupa Patel	Review On	4/25/2023 2:57:10 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/25/2023 2:58:19 PM		
SubDirectory	VY042423	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042423s.m

STD. NAME	STD REF.#
Tune/Reschk	VP120034,VP120070
Initial Calibration Stds	VP120035,VP120036,VP120037,VP120038,VP120039,VP120040
CCC	VP120042,VP120068,VP120069
Internal Standard/PEM	VP116738
ICV/I.BLK	VP120042
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	VSTDCCC050	VY013414.D	24 Apr 2023 20:33	KP/MD	Ok,M
25	BFB	VY013415.D	24 Apr 2023 22:49	KP/MD	Ok
26	VSTDCCC050	VY013416.D	24 Apr 2023 23:34	KP/MD	Ok,M
27	VY0424SBL02	VY013417.D	25 Apr 2023 00:21	KP/MD	Ok
28	VY0424SBS02	VY013418.D	25 Apr 2023 00:44	KP/MD	Ok,M
29	VY0424SBSD02	VY013419.D	25 Apr 2023 01:29	KP/MD	Ok,M
30	O2427-01	VY013420.D	25 Apr 2023 01:54	KP/MD	Ok
31	O2427-02	VY013421.D	25 Apr 2023 02:17	KP/MD	Ok
32	O2427-03	VY013422.D	25 Apr 2023 02:40	KP/MD	Not Ok
33	O2427-04	VY013423.D	25 Apr 2023 03:04	KP/MD	Ok
34	O2389-14	VY013424.D	25 Apr 2023 03:27	KP/MD	Ok
35	O2389-18	VY013425.D	25 Apr 2023 03:51	KP/MD	Ok
36	O2389-22	VY013426.D	25 Apr 2023 04:14	KP/MD	Ok
37	O2389-26	VY013427.D	25 Apr 2023 04:38	KP/MD	Ok
38	O2389-30	VY013428.D	25 Apr 2023 05:01	KP/MD	ReRun
39	O2423-02	VY013429.D	25 Apr 2023 05:24	KP/MD	ReRun
40	O2423-06	VY013430.D	25 Apr 2023 05:48	KP/MD	Ok
41	O2423-10	VY013431.D	25 Apr 2023 06:11	KP/MD	Ok
42	O2423-14	VY013432.D	25 Apr 2023 06:35	KP/MD	Ok
43	O2390-02	VY013433.D	25 Apr 2023 06:58	KP/MD	Ok
44	O2390-06	VY013434.D	25 Apr 2023 07:22	KP/MD	ReRun
45	VSTDCCC050	VY013435.D	25 Apr 2023 07:44	KP/MD	Ok,M

M : Manual Integration

CHEMTECH 284 Sheffield Street, Mountainside, NJ 07092 Phone: 908 789 8900 Fax: 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050323

Review By	Mahesh Dadoda	Review On	5/4/2023 2:01:40 PM		
Supervise By	Krupa Patel	Supervise On	5/4/2023 2:09:49 PM		
SubDirectory	VY050323	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y042423S.M

STD. NAME	STD REF.#
Tune/Reschk	VP120322
Initial Calibration Stds	
CCC	VP120320,VP120321
Internal Standard/PEM	VP116738
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY013568.D	03 May 2023 09:07	KP/MD	Ok
2	VSTDCCC050	VY013569.D	03 May 2023 09:38	KP/MD	Ok,M
3	VY0503SBL01	VY013570.D	03 May 2023 10:43	KP/MD	Ok
4	VY0503SBS01	VY013571.D	03 May 2023 11:05	KP/MD	Ok,M
5	VY0503SBSD01	VY013572.D	03 May 2023 11:28	KP/MD	Ok,M
6	O2568-01	VY013573.D	03 May 2023 11:52	KP/MD	Not Ok
7	O2569-01	VY013574.D	03 May 2023 12:16	KP/MD	Ok
8	O2558-07	VY013575.D	03 May 2023 12:39	KP/MD	Ok
9	O2558-08	VY013576.D	03 May 2023 13:03	KP/MD	Ok
10	O2558-06	VY013577.D	03 May 2023 13:26	KP/MD	Ok
11	O2554-01RE	VY013578.D	03 May 2023 13:49	KP/MD	Confirms
12	VIBLK	VY013579.D	03 May 2023 14:13	KP/MD	Ok
13	O2500-24	VY013580.D	03 May 2023 14:36	KP/MD	Dilution
14	VIBLK	VY013581.D	03 May 2023 15:00	KP/MD	Ok
15	O2567-02RE	VY013582.D	03 May 2023 15:23	KP/MD	Confirms
16	O2500-24DL	VY013583.D	03 May 2023 15:46	KP/MD	Ok
17	O2573-02	VY013584.D	03 May 2023 16:11	KP/MD	ReRun
18	O2582-01	VY013585.D	03 May 2023 16:34	KP/MD	Ok
19	O2584-01	VY013586.D	03 May 2023 16:57	KP/MD	Ok
20	O2585-01	VY013587.D	03 May 2023 17:21	KP/MD	Ok
21	O2571-01	VY013588.D	03 May 2023 17:44	KP/MD	Ok
22	O2559-02	VY013589.D	03 May 2023 18:08	KP/MD	Ok
23	O2505-04	VY013590.D	03 May 2023 18:31	KP/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050323

Review By	Mahesh Dadoda	Review On	5/4/2023 2:01:40 PM		
Supervise By	Krupa Patel	Supervise On	5/4/2023 2:09:49 PM		
SubDirectory	VY050323	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y042423S.M

STD. NAME	STD REF.#
Tune/Reschk	VP120322
Initial Calibration Stds	
CCC	VP120320,VP120321
Internal Standard/PEM	VP116738
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

24	VSTDCCC050	VY013591.D	03 May 2023 18:54	KP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050423

Review By	Krupa Patel	Review On	5/5/2023 11:53:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2023 11:54:06 AM		
SubDirectory	VY050423	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y042423S.M

STD. NAME	STD REF.#
Tune/Reschk	VP120322
Initial Calibration Stds	
CCC	VP120323,VP120324
Internal Standard/PEM	VP116738
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY013592.D	04 May 2023 09:17	KP/MD	Ok
2	VSTDCCC050	VY013593.D	04 May 2023 10:51	KP/MD	Ok,M
3	VY0504SBL01	VY013594.D	04 May 2023 12:56	KP/MD	Ok
4	VY0504SBS01	VY013595.D	04 May 2023 13:18	KP/MD	Ok,M
5	VY0504SBSD01	VY013596.D	04 May 2023 13:41	KP/MD	Ok,M
6	O2573-02RE	VY013597.D	04 May 2023 14:05	KP/MD	Confirms
7	O2505-05	VY013598.D	04 May 2023 14:29	KP/MD	Dilution
8	O2598-04	VY013599.D	04 May 2023 14:52	KP/MD	Ok
9	VIBLK	VY013600.D	04 May 2023 15:16	KP/MD	Ok
10	O2598-01	VY013601.D	04 May 2023 15:39	KP/MD	Ok
11	O2607-01	VY013602.D	04 May 2023 16:02	KP/MD	Ok
12	O2605-01	VY013603.D	04 May 2023 16:26	KP/MD	Not Ok
13	O2604-01	VY013604.D	04 May 2023 16:49	KP/MD	Ok
14	O2505-04RE	VY013605.D	04 May 2023 17:13	KP/MD	Confirms
15	O2588-05	VY013606.D	04 May 2023 17:36	KP/MD	Ok
16	O2588-08	VY013607.D	04 May 2023 18:00	KP/MD	Ok
17	O2588-10	VY013608.D	04 May 2023 18:23	KP/MD	Ok
18	O2588-11	VY013609.D	04 May 2023 18:46	KP/MD	Ok
19	O2588-15	VY013610.D	04 May 2023 19:10	KP/MD	Ok
20	O2588-06	VY013611.D	04 May 2023 19:33	KP/MD	Ok
21	VSTDCCC050	VY013612.D	04 May 2023 19:56	KP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX042523

Review By	John Carlone	Review On	4/26/2023 9:41:43 AM		
Supervise By	Krupa Patel	Supervise On	4/26/2023 1:38:22 PM		
SubDirectory	VX042523	HP Acquire Method		HP Processing Method	82X042523W.M

STD. NAME	STD REF.#
Tune/Reschk	VP120077
Initial Calibration Stds	VP120095,VP120096,VP120097,VP120098,VP120099,VP120100
CCC	VP120078,VP120094
Internal Standard/PEM	
ICV/I.BLK	VP120101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX035269.D	25 Apr 2023 08:57		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX035270.D	25 Apr 2023 09:25	need ical	JC/MD	Not Ok
3	IBLK	IBLK	VX035271.D	25 Apr 2023 09:51		JC/MD	Ok
4	VSTDICC001	VSTDICC001	VX035272.D	25 Apr 2023 10:37	saved fo NON-DOD	JC/MD	Ok,M
5	VSTDICC005	VSTDICC005	VX035273.D	25 Apr 2023 11:00	comp #81 and 90 fail for method	JC/MD	Ok,M
6	VSTDICC020	VSTDICC020	VX035274.D	25 Apr 2023 11:23		JC/MD	Ok,M
7	VSTDICCC050	VSTDICCC050	VX035275.D	25 Apr 2023 11:46		JC/MD	Ok,M
8	VSTDICC100	VSTDICC100	VX035276.D	25 Apr 2023 12:09	Not used	JC/MD	Not Ok
9	VSTDICC150	VSTDICC150	VX035277.D	25 Apr 2023 12:32		JC/MD	Ok,M
10	IBLK	IBLK	VX035278.D	25 Apr 2023 12:56		JC/MD	Ok
11	VSTDICC100	VSTDICC100	VX035279.D	25 Apr 2023 13:21		JC/MD	Ok,M
12	IBLK	IBLK	VX035280.D	25 Apr 2023 13:44		JC/MD	Ok
13	VSTDICV050	ICVVX042523	VX035281.D	25 Apr 2023 14:10	pH#Lot#V12668	JC/MD	Ok,M
14	VX0425MBL01	VX0425MBL01	VX035282.D	25 Apr 2023 14:40		JC/MD	Ok
15	VX0425WBL01	VX0425WBL01	VX035283.D	25 Apr 2023 15:03		JC/MD	Ok
16	O2406-01	SB-12-6.0-6.5	VX035284.D	25 Apr 2023 15:26		JC/MD	Ok
17	O2431-01	AUD-1943	VX035285.D	25 Apr 2023 15:50		JC/MD	Ok
18	O2431-02	AUD-1979	VX035286.D	25 Apr 2023 16:13	vial A pH<2	JC/MD	Ok
19	O2403-01DL	COMP-1DL	VX035287.D	25 Apr 2023 16:36	vial B pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX042523

Review By	John Carlone	Review On	4/26/2023 9:41:43 AM		
Supervise By	Krupa Patel	Supervise On	4/26/2023 1:38:22 PM		
SubDirectory	VX042523	HP Acquire Method		HP Processing Method	82X042523W.M

STD. NAME	STD REF.#
Tune/Reschk	VP120077
Initial Calibration Stds	VP120095,VP120096,VP120097,VP120098,VP120099,VP120100
CCC	VP120078,VP120094
Internal Standard/PEM	
ICV/I.BLK	VP120101
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	O2403-07DL	COMP-2DL	VX035288.D	25 Apr 2023 17:00	vial B pH<2	JC/MD	Ok
21	O2403-13DL	COMP-3DL	VX035289.D	25 Apr 2023 17:23	vial B pH<2	JC/MD	Ok
22	VX0425MBS01	VX0425MBS01	VX035290.D	25 Apr 2023 17:46		JC/MD	Ok,M
23	VX0425MBSD01	VX0425MBSD01	VX035291.D	25 Apr 2023 18:09		JC/MD	Ok,M
24	VX0425WBS01	VX0425WBS01	VX035292.D	25 Apr 2023 18:32		JC/MD	Ok,M
25	VX0425WBSD01	VX0425WBSD01	VX035293.D	25 Apr 2023 18:55		JC/MD	Ok,M
26	IBLK	IBLK	VX035294.D	25 Apr 2023 19:18		JC/MD	Ok
27	O2423-17	EB-1	VX035295.D	25 Apr 2023 19:42	vial A pH<2 EB	JC/MD	Ok
28	O2429-01	230419084-02-VOA	VX035296.D	25 Apr 2023 20:05	vial C pH#6.0	JC/MD	Ok
29	VSTDCCC050	VSTDCCC050EC	VX035297.D	25 Apr 2023 20:28		JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051023

Review By	John Carlone	Review On	5/11/2023 10:02:29 AM		
Supervise By	Krupa Patel	Supervise On	5/11/2023 12:16:17 PM		
SubDirectory	VX051023	HP Acquire Method		HP Processing Method	82X042523W.M

STD. NAME	STD REF.#
Tune/Reschk	VP120449
Initial Calibration Stds	
CCC	VP120450,VP120451
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	VX035576.D	10 May 2023 09:41		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX035577.D	10 May 2023 11:03	pH#Lot#V12668	JC/MD	Ok,M
3	VX0510MBL01	VX0510MBL01	VX035578.D	10 May 2023 11:39		JC/MD	Ok
4	VX0510WBL01	VX0510WBL01	VX035579.D	10 May 2023 12:02		JC/MD	Ok
5	VX0510MBS01	VX0510MBS01	VX035580.D	10 May 2023 12:30		JC/MD	Ok,M
6	VX0510MBSD01	VX0510MBSD01	VX035581.D	10 May 2023 13:07		JC/MD	Ok,M
7	O2666-01	BU-02-050823	VX035582.D	10 May 2023 13:30		JC/MD	Ok
8	O2505-05ME	WO-5ME	VX035583.D	10 May 2023 13:53	Methyl acetate hit is not in first run	JC/MD	Ok
9	VX0510WBS01	VX0510WBS01	VX035584.D	10 May 2023 14:17		JC/MD	Ok,M
10	VX0510WBSD01	VX0510WBSD01	VX035585.D	10 May 2023 14:50		JC/MD	Ok,M
11	O2658-05	507	VX035586.D	10 May 2023 15:14	vial A pH<2	JC/MD	Ok
12	O2648-03DL	ORA-1636DL	VX035587.D	10 May 2023 15:37	vial B pH<2	JC/MD	Ok
13	VX0510MBSD01	VX0510MBSD01	VX035588.D	10 May 2023 16:00		JC/MD	Ok,M
14	O2658-07DL	509DL	VX035589.D	10 May 2023 16:23	vial B pH<2	JC/MD	Ok,M
15	O2719-14	TB-01_20230509	VX035590.D	10 May 2023 16:46	vial A pH<2 TB, Hit of Comp. #49	JC/MD	ReRun
16	O2723-12	TB-01-030723	VX035591.D	10 May 2023 17:10	vial A pH<2 TB	JC/MD	Ok
17	O2719-12	FB-01_20230509	VX035592.D	10 May 2023 17:33	vial A pH<2	JC/MD	Ok
18	O2746-03	TB-01-051023	VX035593.D	10 May 2023 17:56	vial A pH<2 TB	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX051023

Review By	John Carlone	Review On	5/11/2023 10:02:29 AM		
Supervise By	Krupa Patel	Supervise On	5/11/2023 12:16:17 PM		
SubDirectory	VX051023	HP Acquire Method		HP Processing Method	82X042523W.M

STD. NAME	STD REF.#
Tune/Reschk	VP120449
Initial Calibration Stds	
CCC	VP120450,VP120451
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	O2743-07	DRUM-A-WATER	VX035594.D	10 May 2023 18:19	vial A pH<2	JC/MD	Ok
20	O2744-01	PL-OILYWATER	VX035595.D	10 May 2023 18:43	vial A pH<2 Need 5X	JC/MD	Dilution
21	O2742-01	14-051023	VX035596.D	10 May 2023 19:06	vial A pH<2 Hit of Bromodichloromethane, high in CC	JC/MD	ReRun
22	O2652-04	RO-290535	VX035597.D	10 May 2023 19:29	vial A pH#5.0	JC/MD	Ok
23	VSTDCCC050	VSTDCCC050EC	VX035598.D	10 May 2023 19:52		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042423

Review By	Krupa Patel	Review On	4/25/2023 2:57:10 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/25/2023 2:58:19 PM		
SubDirectory	VY042423	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042423s.m

STD. NAME	STD REF.#
Tune/Reschk	VP120034,VP120070
Initial Calibration Stds	VP120035,VP120036,VP120037,VP120038,VP120039,VP120040
CCC	VP120042,VP120068,VP120069
Internal Standard/PEM	VP116738
ICV/I.BLK	VP120042
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY013391.D	24 Apr 2023 09:12		KP/MD	Ok
2	VSTDICV050	ICVVY042423	VY013392.D	24 Apr 2023 10:23		KP/MD	Not Ok
3	VSTDICC005	VSTDICC005	VY013393.D	24 Apr 2023 11:26	Method Created for DOD	KP/MD	Ok,M
4	VSTDICC010	VSTDICC010	VY013394.D	24 Apr 2023 11:48	Com# 11, 13, 20 are on LR	KP/MD	Ok,M
5	VSTDICC020	VSTDICC020	VY013395.D	24 Apr 2023 12:11		KP/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VY013396.D	24 Apr 2023 12:34		KP/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY013397.D	24 Apr 2023 12:56		KP/MD	Ok,M
8	VSTDICC150	VSTDICC150	VY013398.D	24 Apr 2023 13:19		KP/MD	Ok,M
9	VIBLK	VIBLK	VY013399.D	24 Apr 2023 13:43		KP/MD	Ok
10	VSTDICV050	ICVVY042423	VY013400.D	24 Apr 2023 14:26		KP/MD	Ok,M
11	VY0424SBL01	VY0424SBL01	VY013401.D	24 Apr 2023 15:24		KP/MD	Ok
12	VY0424SBS01	VY0424SBS01	VY013402.D	24 Apr 2023 15:52		KP/MD	Ok,M
13	VY0424SBSD01	VY0424SBSD01	VY013403.D	24 Apr 2023 16:15		KP/MD	Ok,M
14	O2406-01RE	SB-12-6.0-6.5RE	VY013404.D	24 Apr 2023 16:40	Vial B, Not Purge	KP/MD	Not Ok
15	O2406-03	SB-13-6.5-7.0	VY013405.D	24 Apr 2023 17:03	Vial B, Internal standard fail	KP/MD	Ok
16	O2371-01	SB-26-9.0-9.5	VY013406.D	24 Apr 2023 17:26	Vial C, Not Purge	KP/MD	Not Ok
17	O2371-03	SB-23-5.0-5.5	VY013407.D	24 Apr 2023 17:50	Vial C, Not Purge	KP/MD	Not Ok
18	O2371-05RE	SB-22-8.5-9.0RE	VY013408.D	24 Apr 2023 18:13	Vial C, Internal standard fail	KP/MD	Confirms
19	O2371-07	SB-21-8.5-9.0	VY013409.D	24 Apr 2023 18:37	Vial C, Internal standard fail	KP/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042423

Review By	Krupa Patel	Review On	4/25/2023 2:57:10 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/25/2023 2:58:19 PM		
SubDirectory	VY042423	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042423s.m

STD. NAME	STD REF.#
Tune/Reschk	VP120034,VP120070
Initial Calibration Stds	VP120035,VP120036,VP120037,VP120038,VP120039,VP120040
CCC	VP120042,VP120068,VP120069
Internal Standard/PEM	VP116738
ICV/I.BLK	VP120042
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	O2371-09RE	SB-20-8.0-8.5RE	VY013410.D	24 Apr 2023 19:00	Vial C, Internal standard fail	KP/MD	Confirms
21	O2371-11RE	SB-19-8.0-8.5RE	VY013411.D	24 Apr 2023 19:24	Vial C, Internal standard fail	KP/MD	Confirms
22	O2371-15RE	SB-17-8.0-8.5RE	VY013412.D	24 Apr 2023 19:47	Vial C, Internal standard fail	KP/MD	Confirms
23	O2371-17	SB-16-9.0-9.5	VY013413.D	24 Apr 2023 20:10	Vial C internal and surr fail	KP/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VY013414.D	24 Apr 2023 20:33		KP/MD	Ok,M
25	BFB	BFB	VY013415.D	24 Apr 2023 22:49		KP/MD	Ok
26	VSTDCCC050	VSTDCCC050	VY013416.D	24 Apr 2023 23:34		KP/MD	Ok,M
27	VY0424SBL02	VY0424SBL02	VY013417.D	25 Apr 2023 00:21		KP/MD	Ok
28	VY0424SBS02	VY0424SBS02	VY013418.D	25 Apr 2023 00:44		KP/MD	Ok,M
29	VY0424SBSD02	VY0424SBSD02	VY013419.D	25 Apr 2023 01:29	Com#73 recovery fail	KP/MD	Ok,M
30	O2427-01	20230264-18-2	VY013420.D	25 Apr 2023 01:54	Vial A	KP/MD	Ok
31	O2427-02	20230287-24-1	VY013421.D	25 Apr 2023 02:17	Vial A	KP/MD	Ok
32	O2427-03	20230306-28-4	VY013422.D	25 Apr 2023 02:40	Vial A Not Purge	KP/MD	Not Ok
33	O2427-04	20230314-30-4	VY013423.D	25 Apr 2023 03:04	Vial A	KP/MD	Ok
34	O2389-14	SPB-4WC-23-04-17	VY013424.D	25 Apr 2023 03:27	Vial A	KP/MD	Ok
35	O2389-18	SPB-5WC-23-04-17	VY013425.D	25 Apr 2023 03:51	Vial A	KP/MD	Ok
36	O2389-22	SPB-6WC-23-04-17	VY013426.D	25 Apr 2023 04:14	Vial A	KP/MD	Ok
37	O2389-26	SPB-7WC-23-04-17	VY013427.D	25 Apr 2023 04:38	Vial A	KP/MD	Ok
38	O2389-30	SPB-8WC-23-04-17	VY013428.D	25 Apr 2023 05:01	Vial A Internal standard fail	KP/MD	ReRun
39	O2423-02	SPD-1WC-23-04-18	VY013429.D	25 Apr 2023 05:24	Vial A Internal standard fail	KP/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY042423

Review By	Krupa Patel	Review On	4/25/2023 2:57:10 PM		
Supervise By	Mahesh Dadoda	Supervise On	4/25/2023 2:58:19 PM		
SubDirectory	VY042423	HP Acquire Method	MSVOA_Y	HP Processing Method	82y042423s.m

STD. NAME	STD REF.#
Tune/Reschk	VP120034,VP120070
Initial Calibration Stds	VP120035,VP120036,VP120037,VP120038,VP120039,VP120040
CCC	VP120042,VP120068,VP120069
Internal Standard/PEM	VP116738
ICV/I.BLK	VP120042
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

40	O2423-06	SPD-2WC-23-04-18	VY013430.D	25 Apr 2023 05:48	Vial A	KP/MD	Ok
41	O2423-10	SPE-1WC-23-04-18	VY013431.D	25 Apr 2023 06:11	Vial A	KP/MD	Ok
42	O2423-14	SPE-2WC-23-04-18	VY013432.D	25 Apr 2023 06:35	Vial A	KP/MD	Ok
43	O2390-02	SPC-1WC-23-04-17	VY013433.D	25 Apr 2023 06:58	Vial A	KP/MD	Ok
44	O2390-06	SPC-2WC-23-04-17	VY013434.D	25 Apr 2023 07:22	Vial A, Internal standard fail	KP/MD	ReRun
45	VSTDCCC050	VSTDCCC050EC	VY013435.D	25 Apr 2023 07:44		KP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050323

Review By	Mahesh Dadoda	Review On	5/4/2023 2:01:40 PM		
Supervise By	Krupa Patel	Supervise On	5/4/2023 2:09:49 PM		
SubDirectory	VY050323	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y042423S.M

STD. NAME	STD REF.#
Tune/Reschk	VP120322
Initial Calibration Stds	
CCC	VP120320,VP120321
Internal Standard/PEM	VP116738
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY013568.D	03 May 2023 09:07		KP/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY013569.D	03 May 2023 09:38		KP/MD	Ok,M
3	VY0503SBL01	VY0503SBL01	VY013570.D	03 May 2023 10:43		KP/MD	Ok
4	VY0503SBS01	VY0503SBS01	VY013571.D	03 May 2023 11:05		KP/MD	Ok,M
5	VY0503SBSD01	VY0503SBSD01	VY013572.D	03 May 2023 11:28		KP/MD	Ok,M
6	O2568-01	72-11938	VY013573.D	03 May 2023 11:52	Vial B, Not purged well	KP/MD	Not Ok
7	O2569-01	ETGI-339	VY013574.D	03 May 2023 12:16	Vial B	KP/MD	Ok
8	O2558-07	P001-SS013-0612-01	VY013575.D	03 May 2023 12:39	Vial A	KP/MD	Ok
9	O2558-08	P001-SS013-1218-01	VY013576.D	03 May 2023 13:03	Vial A	KP/MD	Ok
10	O2558-06	P001-SS013-0006-01	VY013577.D	03 May 2023 13:26	Vial A	KP/MD	Ok
11	O2554-01RE	TR-04-42823RE	VY013578.D	03 May 2023 13:49	Vial A ISTD Fail	KP/MD	Confirms
12	VIBLK	VIBLK	VY013579.D	03 May 2023 14:13		KP/MD	Ok
13	O2500-24	PT-VOA-SOIL	VY013580.D	03 May 2023 14:36	Need 4X(NJ-Soil-PT)	KP/MD	Dilution
14	VIBLK	VIBLK	VY013581.D	03 May 2023 15:00		KP/MD	Ok
15	O2567-02RE	B-21-SB02RE	VY013582.D	03 May 2023 15:23	Vial B Internal standard Fail	KP/MD	Confirms
16	O2500-24DL	PT-VOA-SOILDL	VY013583.D	03 May 2023 15:46		KP/MD	Ok
17	O2573-02	VNJ-240	VY013584.D	03 May 2023 16:11	Vial A, Surrogate Fail, Internal standard Fail	KP/MD	ReRun
18	O2582-01	HD-02-050223	VY013585.D	03 May 2023 16:34	Vial A	KP/MD	Ok
19	O2584-01	TR-05-050123	VY013586.D	03 May 2023 16:57	Vial A	KP/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050323

Review By	Mahesh Dadoda	Review On	5/4/2023 2:01:40 PM		
Supervise By	Krupa Patel	Supervise On	5/4/2023 2:09:49 PM		
SubDirectory	VY050323	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y042423S.M

STD. NAME	STD REF.#
Tune/Reschk	VP120322
Initial Calibration Stds	
CCC	VP120320,VP120321
Internal Standard/PEM	VP116738
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	O2585-01	OK-01-050223	VY013587.D	03 May 2023 17:21	Vial A	KP/MD	Ok
21	O2571-01	OE-3-050123	VY013588.D	03 May 2023 17:44	Vial A	KP/MD	Ok
22	O2559-02	VOC	VY013589.D	03 May 2023 18:08	Vial A	KP/MD	Ok
23	O2505-04	WO-4	VY013590.D	03 May 2023 18:31	Vial A, Internal standard Fail	KP/MD	ReRun
24	VSTDCCC050	VSTDCCC050EC	VY013591.D	03 May 2023 18:54		KP/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050423

Review By	Krupa Patel	Review On	5/5/2023 11:53:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2023 11:54:06 AM		
SubDirectory	VY050423	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y042423S.M

STD. NAME	STD REF.#
Tune/Reschk	VP120322
Initial Calibration Stds	
CCC	VP120323,VP120324
Internal Standard/PEM	VP116738
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY013592.D	04 May 2023 09:17		KP/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY013593.D	04 May 2023 10:51		KP/MD	Ok,M
3	VY0504SBL01	VY0504SBL01	VY013594.D	04 May 2023 12:56		KP/MD	Ok
4	VY0504SBS01	VY0504SBS01	VY013595.D	04 May 2023 13:18		KP/MD	Ok,M
5	VY0504SBSD01	VY0504SBSD01	VY013596.D	04 May 2023 13:41		KP/MD	Ok,M
6	O2573-02RE	VNJ-240RE	VY013597.D	04 May 2023 14:05	Vial B, Internal standard Fail	KP/MD	Confirms
7	O2505-05	WO-5	VY013598.D	04 May 2023 14:29	Vial A, Internal standard Fail, Need MeOH	KP/MD	Dilution
8	O2598-04	ETGI-328	VY013599.D	04 May 2023 14:52	Vial A, Surrogate Fail, ISTD Fail	KP/MD	Ok
9	VIBLK	VIBLK	VY013600.D	04 May 2023 15:16		KP/MD	Ok
10	O2598-01	VNJ-241	VY013601.D	04 May 2023 15:39	Vial A, Internal standard Fail	KP/MD	Ok
11	O2607-01	HT-1	VY013602.D	04 May 2023 16:02	Vial A	KP/MD	Ok
12	O2605-01	RC-1	VY013603.D	04 May 2023 16:26	Vial A Not Purge	KP/MD	Not Ok
13	O2604-01	TF-1	VY013604.D	04 May 2023 16:49	Vial A Internal standard Fail	KP/MD	Ok
14	O2505-04RE	WO-4RE	VY013605.D	04 May 2023 17:13	Vial B Internal standard Fail	KP/MD	Confirms
15	O2588-05	ZONE-C-3-6-05012023	VY013606.D	04 May 2023 17:36	Vial A	KP/MD	Ok
16	O2588-08	ZONE-A-3-6-05022023	VY013607.D	04 May 2023 18:00	Vial A	KP/MD	Ok
17	O2588-10	ZONE-D-0-3-05022023	VY013608.D	04 May 2023 18:23	Vial A	KP/MD	Ok
18	O2588-11	ZONE-D-3-6-05022023	VY013609.D	04 May 2023 18:46	Vial A	KP/MD	Ok
19	O2588-15	PILE-B-UNK-05022023	VY013610.D	04 May 2023 19:10	Vial A	KP/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY050423

Review By	Krupa Patel	Review On	5/5/2023 11:53:24 AM		
Supervise By	Mahesh Dadoda	Supervise On	5/5/2023 11:54:06 AM		
SubDirectory	VY050423	HP Acquire Method	MSVOA_Y	HP Processing Method	82Y042423S.M

STD. NAME	STD REF.#
Tune/Reschk	VP120322
Initial Calibration Stds	
CCC	VP120323,VP120324
Internal Standard/PEM	VP116738
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

20	O2588-06	ZONE-C-6-9-05012023	VY013611.D	04 May 2023 19:33	Vial A	KP/MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VY013612.D	04 May 2023 19:56		KP/MD	Ok,M

M : Manual Integration

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Manual Integration Report

Sequence:	VX042523	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX035272.D	1,2,3-Trichloropropane	JOHN	4/25/2023 5:09:33 PM	MMDadoda	4/26/2023 1:44:38 PM	Peak Integrated by Software
VSTDICC001	VX035272.D	1,4-Dichlorobenzene	JOHN	4/25/2023 5:09:33 PM	MMDadoda	4/26/2023 1:44:38 PM	Peak Integrated by Software
VSTDICC005	VX035273.D	1,2,3-Trichloropropane	JOHN	4/25/2023 5:09:38 PM	MMDadoda	4/26/2023 1:44:39 PM	Peak Integrated by Software
VSTDICC005	VX035273.D	Tert butyl alcohol	JOHN	4/25/2023 5:09:38 PM	MMDadoda	4/26/2023 1:44:39 PM	Peak Integrated by Software
VSTDICC020	VX035274.D	1,2,3-Trichloropropane	JOHN	4/25/2023 5:09:44 PM	MMDadoda	4/26/2023 1:44:41 PM	Peak Integrated by Software
VSTDICCC050	VX035275.D	1,2,3-Trichloropropane	JOHN	4/25/2023 5:09:50 PM	MMDadoda	4/26/2023 1:44:43 PM	Peak Integrated by Software
VSTDICC150	VX035277.D	1,2,3-Trichloropropane	JOHN	4/25/2023 5:10:00 PM	MMDadoda	4/26/2023 1:44:46 PM	Peak Integrated by Software
VSTDICC150	VX035277.D	Tert butyl alcohol	JOHN	4/25/2023 5:10:00 PM	MMDadoda	4/26/2023 1:44:46 PM	Peak Integrated by Software
VSTDICC100	VX035279.D	1,2,3-Trichloropropane	JOHN	4/25/2023 5:10:06 PM	MMDadoda	4/26/2023 1:44:48 PM	Peak Integrated by Software
VSTDICC100	VX035279.D	Tert butyl alcohol	JOHN	4/25/2023 5:10:06 PM	MMDadoda	4/26/2023 1:44:48 PM	Peak Integrated by Software
VSTDICV050	VX035281.D	1,2,3-Trichloropropane	JOHN	4/25/2023 5:10:12 PM	MMDadoda	4/26/2023 1:44:50 PM	Peak Integrated by Software
VSTDCCC050	VX035297.D	1,2,3-Trichloropropane	JOHN	4/26/2023 9:36:02 AM	MMDadoda	4/26/2023 1:44:59 PM	Peak Integrated by Software
VSTDCCC050	VX035297.D	Methacrylonitrile	JOHN	4/26/2023 9:36:02 AM	MMDadoda	4/26/2023 1:44:59 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX042523	Instrument	MSVOA_x

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

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Manual Integration Report

Sequence:	VX051023	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX035577.D	1,2,3-Trichloropropane	JOHN	5/11/2023 9:51:02 AM	MMDadoda	5/11/2023 12:19:04 PM	Peak Integrated by Software
VX0510MBS01	VX035580.D	1,2,3-Trichloropropane	JOHN	5/11/2023 9:51:08 AM	MMDadoda	5/11/2023 12:19:04 PM	Peak Integrated by Software
VX0510MBS01	VX035580.D	Tert butyl alcohol	JOHN	5/11/2023 9:51:08 AM	MMDadoda	5/11/2023 12:19:04 PM	Peak Integrated by Software
VSTDCCC050	VX035598.D	1,2,3-Trichloropropane	JOHN	5/11/2023 9:51:43 AM	MMDadoda	5/11/2023 12:19:17 PM	Peak Integrated by Software
VSTDCCC050	VX035598.D	Tert butyl alcohol	JOHN	5/11/2023 9:51:43 AM	MMDadoda	5/11/2023 12:19:17 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042423	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY013393.D	1,2,3-Trichloropropane	Krupa	4/25/2023 9:08:08 AM	MMDadoda	4/25/2023 2:58:51 PM	Peak Integrated by Software
VSTDICC005	VY013393.D	Tert butyl alcohol	Krupa	4/25/2023 9:08:08 AM	MMDadoda	4/25/2023 2:58:51 PM	Peak Integrated by Software
VSTDICC005	VY013393.D	Vinyl Acetate	Krupa	4/25/2023 9:08:08 AM	MMDadoda	4/25/2023 2:58:51 PM	Peak Integrated by Software
VSTDICC010	VY013394.D	1,2,3-Trichloropropane	Krupa	4/25/2023 9:08:17 AM	MMDadoda	4/25/2023 2:58:53 PM	Peak Integrated by Software
VSTDICC010	VY013394.D	Methacrylonitrile	Krupa	4/25/2023 9:08:17 AM	MMDadoda	4/25/2023 2:58:53 PM	Peak Integrated by Software
VSTDICC010	VY013394.D	Tert butyl alcohol	Krupa	4/25/2023 9:08:17 AM	MMDadoda	4/25/2023 2:58:53 PM	Peak Integrated by Software
VSTDICC010	VY013394.D	Vinyl Acetate	Krupa	4/25/2023 9:08:17 AM	MMDadoda	4/25/2023 2:58:53 PM	Peak Integrated by Software
VSTDICC020	VY013395.D	1,2,3-Trichloropropane	Krupa	4/25/2023 9:08:22 AM	MMDadoda	4/25/2023 2:58:56 PM	Peak Integrated by Software
VSTDICC020	VY013395.D	Methacrylonitrile	Krupa	4/25/2023 9:08:22 AM	MMDadoda	4/25/2023 2:58:56 PM	Peak Integrated by Software
VSTDICC020	VY013395.D	Vinyl Acetate	Krupa	4/25/2023 9:08:22 AM	MMDadoda	4/25/2023 2:58:56 PM	Peak Integrated by Software
VSTDICCC050	VY013396.D	1,2,3-Trichloropropane	Krupa	4/25/2023 9:08:30 AM	MMDadoda	4/25/2023 2:58:57 PM	Peak Integrated by Software
VSTDICCC050	VY013396.D	Vinyl Acetate	Krupa	4/25/2023 9:08:30 AM	MMDadoda	4/25/2023 2:58:57 PM	Peak Integrated by Software
VSTDICC100	VY013397.D	1,2,3-Trichloropropane	Krupa	4/25/2023 9:08:36 AM	MMDadoda	4/25/2023 2:58:59 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042423	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VY013397.D	Methacrylonitrile	Krupa	4/25/2023 9:08:36 AM	MMDadoda	4/25/2023 2:58:59 PM	Peak Integrated by Software
VSTDICC100	VY013397.D	Vinyl Acetate	Krupa	4/25/2023 9:08:36 AM	MMDadoda	4/25/2023 2:58:59 PM	Peak Integrated by Software
VSTDICC150	VY013398.D	1,2,3-Trichloropropane	Krupa	4/25/2023 9:08:44 AM	MMDadoda	4/25/2023 2:59:01 PM	Peak Integrated by Software
VSTDICC150	VY013398.D	Vinyl Acetate	Krupa	4/25/2023 9:08:44 AM	MMDadoda	4/25/2023 2:59:01 PM	Peak Integrated by Software
VSTDICV050	VY013400.D	1,2,3-Trichloropropane	Krupa	4/25/2023 9:08:49 AM	MMDadoda	4/25/2023 2:59:03 PM	Peak Integrated by Software
VSTDICV050	VY013400.D	Vinyl Acetate	Krupa	4/25/2023 9:08:49 AM	MMDadoda	4/25/2023 2:59:03 PM	Peak Integrated by Software
VSTDCCC050	VY013414.D	1,2,3-Trichloropropane	Krupa	4/25/2023 9:09:26 AM	MMDadoda	4/25/2023 2:59:08 PM	Peak Integrated by Software
VSTDCCC050	VY013414.D	Methacrylonitrile	Krupa	4/25/2023 9:09:26 AM	MMDadoda	4/25/2023 2:59:08 PM	Peak Integrated by Software
VSTDCCC050	VY013414.D	Tert butyl alcohol	Krupa	4/25/2023 9:09:26 AM	MMDadoda	4/25/2023 2:59:08 PM	Peak Integrated by Software
VSTDCCC050	VY013414.D	Vinyl Acetate	Krupa	4/25/2023 9:09:26 AM	MMDadoda	4/25/2023 2:59:08 PM	Peak Integrated by Software
VSTDCCC050	VY013416.D	1,2,3-Trichloropropane	Krupa	4/25/2023 9:09:30 AM	MMDadoda	4/25/2023 2:59:10 PM	Peak Integrated by Software
VSTDCCC050	VY013416.D	Methacrylonitrile	Krupa	4/25/2023 9:09:30 AM	MMDadoda	4/25/2023 2:59:10 PM	Peak Integrated by Software
VSTDCCC050	VY013416.D	Vinyl Acetate	Krupa	4/25/2023 9:09:30 AM	MMDadoda	4/25/2023 2:59:10 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY042423	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY013435.D	1,2,3-Trichloropropane	Krupa	4/25/2023 9:09:51 AM	MMDadoda	4/25/2023 2:59:22 PM	Peak Integrated by Software
VSTDCCC050	VY013435.D	Methacrylonitrile	Krupa	4/25/2023 9:09:51 AM	MMDadoda	4/25/2023 2:59:22 PM	Peak Integrated by Software
VSTDCCC050	VY013435.D	Vinyl Acetate	Krupa	4/25/2023 9:09:51 AM	MMDadoda	4/25/2023 2:59:22 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY050323	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY013569.D	1,2,3-Trichloropropane	Krupa	5/4/2023 9:22:18 AM	MMDadoda	5/4/2023 2:01:30 PM	Peak Integrated by Software
VY0503SBS01	VY013571.D	1,2,3-Trichloropropane	Krupa	5/4/2023 9:22:21 AM	MMDadoda	5/4/2023 2:01:31 PM	Peak Integrated by Software
VY0503SBSD01	VY013572.D	1,2,3-Trichloropropane	Krupa	5/4/2023 9:22:50 AM	MMDadoda	5/4/2023 2:01:32 PM	Peak Integrated by Software
VSTDCCC050	VY013591.D	1,2,3-Trichloropropane	Krupa	5/4/2023 9:23:01 AM	MMDadoda	5/4/2023 2:01:35 PM	Peak Integrated by Software
VSTDCCC050	VY013591.D	Methacrylonitrile	Krupa	5/4/2023 9:23:01 AM	MMDadoda	5/4/2023 2:01:35 PM	Peak Integrated by Software
VSTDCCC050	VY013591.D	Tert butyl alcohol	Krupa	5/4/2023 9:23:01 AM	MMDadoda	5/4/2023 2:01:35 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY050423	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY013593.D	1,2,3-Trichloropropane	Krupa	5/5/2023 9:08:51 AM	MMDadoda	5/5/2023 11:53:55 AM	Peak Integrated by Software
VY0504SBS01	VY013595.D	1,2,3-Trichloropropane	Krupa	5/5/2023 9:08:55 AM	MMDadoda	5/5/2023 11:53:56 AM	Peak Integrated by Software
VY0504SBS01	VY013595.D	Methacrylonitrile	Krupa	5/5/2023 9:08:55 AM	MMDadoda	5/5/2023 11:53:56 AM	Peak Integrated by Software
O2505-05	VY013598.D	Tert butyl alcohol	Krupa	5/5/2023 9:09:03 AM	MMDadoda	5/5/2023 11:53:59 AM	Peak Integrated by Software
VSTDCCC050	VY013612.D	1,2,3-Trichloropropane	Krupa	5/5/2023 9:09:08 AM	MMDadoda	5/5/2023 11:53:55 AM	Peak Integrated by Software
VSTDCCC050	VY013612.D	Methacrylonitrile	Krupa	5/5/2023 9:09:08 AM	MMDadoda	5/5/2023 11:53:55 AM	Peak Integrated by Software