			Quantita	ation Report	(QT Revie	wed)		
ata File cq On perator ample	: VV023665 : 23 Nov 2 : SY/MD : VSTD0055 : 25.0mL/M	021 12:21		Instrument : MSVOA_V ClientSampleId : VSTD005255 Manual IntegrationsAPPROVED				
uant Methu uant Titl Last Upda	od : Z:\vo e : TRACE te : Wed N	3:43:23 2021 asrv\HPCHEM1\MS VOA SFAM1.0 ov 24 03:41:43 al Calibration		od\SFAMVTR112	2321WMA.M		:John Carlone 11/ y :Mahesh Dadoda	24/2021 11/26/2021
bundance 700000				TIC: VV	023665.D\data.ms	3		
650000	F.							
600000	.1 -មិ)ទុងលៃយ៉ង់វាច់ថងដំងផ្លាត់លេក 1,2,2-trifluoroethane,T				ene, T o- xylene, T Isopropylbenzene, T 5-Trimethylbenzene, T	ylbenzene,T		
550000	的理论的1,2				,T Slyrene,T o -xylene Isopropylbenzene,T 1,3,5-Trimethylbenzene,T	1,2,4-Trimethylbenzene.T		
500000	(ehllatobedheelee			ntanone, T	m,p-xylene,T B	BBRadshe,T Sobenzene,T zene		
450000	1,1-D			4-Methyl-2-pentanone,T Tolliane,T				
400000	le,T						ichlorobenzene,T enzene,T	
350000	ილაა, ა fluoromethane, T რის უმმინ-ხებემნხიი ემიიი, T		Methylcyclohexane,T	Tetrachloroethene, T Z-Hexanone, T Chlorohemere			1,2,4-trichlorobe chlorobenzene,T	
300000	ფყაտատառաբ.us.,s Trichlorofluoromethane,T lisulfide,T oride,T - Methyldent-ხ.ბენ	ე-ფაგzene,T		Tetra			1,2,3-Trichlorob	
250000	A carbon disulfide, T Methylene chloride, T Methylene chloride, T	ine,T MBReAane,T de,f acid4Benzei	1,4-Difluorobenzene,I Trichioroethene, Bhhöfbhopane,T ethane,T	propene, T oropene, T hane, T vzanone-d5, S e, T	b <u>7</u> .			
250000 200000 150000 150000	- Carb	1,1-Dichloroethane,T 2bButaXvbiehttវាæhtene,T <u>Bromochloroc</u> Rigba@ក្មីរតែសា.T 	1,4-Difluorobenzene,1 1,2-Dichloropopagagagagagaga Bromodichloromethane,T Bromodichloromethane,T	cis-1,3-Dichloropropene,T -1,3-Dichloropropene,T 1,1,2-Trichloroethane,T 1,2-Dibromoethane,T	oform.T 1,2,3.સે.હેલ્લેસ્ટ્રાસ્ટ્રેસ્ટ્રિસ્ટ્રિક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્રોક્સ્ટ્		Naphthalene	
150000	Crubrioe® an Aspeti ane. T Me	1,1-Dichk - &Baut mochlorognabh 	1,2-Dich Bromod	ci loropropenent	orm.T 2,3,4,8,4,000	Jropropane, T		
100000	ate.T	2-Butanone, 1		cis-1,3-Dichloropropettantik?3-Dichloropropene.T tians-1,3-Dichloropropettantik?3-Dichloropropene.T 1,1,2-Trichloroethane.T 1,2-Dibromoethalite.qmochloromethane.T	Bromoform,T	1,2-Dibromo-3-chloropropane,T		
50000	Acelone, Methyl Acel	Ż				1,2		

9.00

10.00 11.00 12.00

13.00

14.00

8.00

7.00

6.00

SFAMVTR112321WMA.M Wed Nov 24 03:49:58 2021

3.00

2.00

4.00

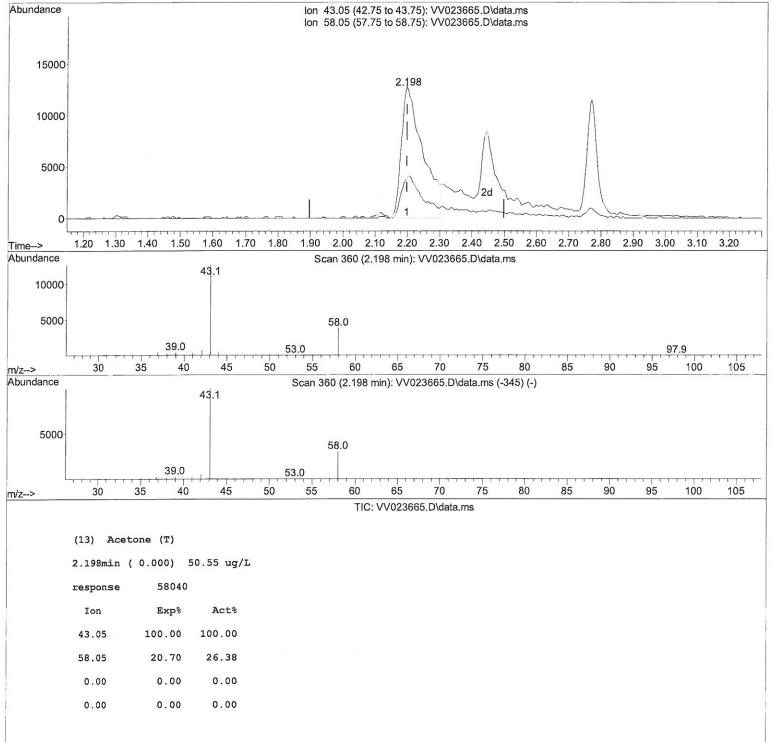
5.00

0

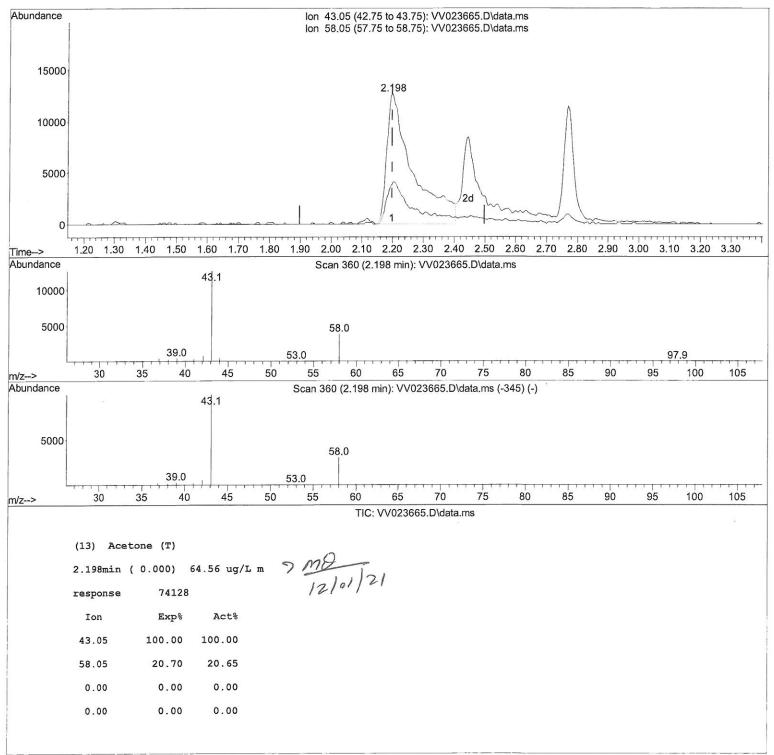
Time-->

15.00 16.00 17.00

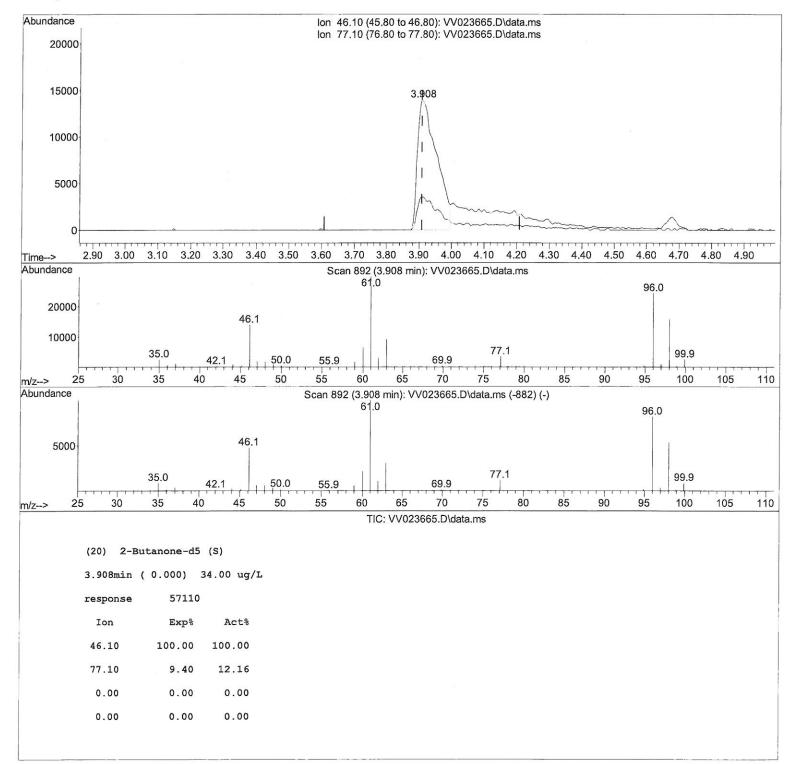










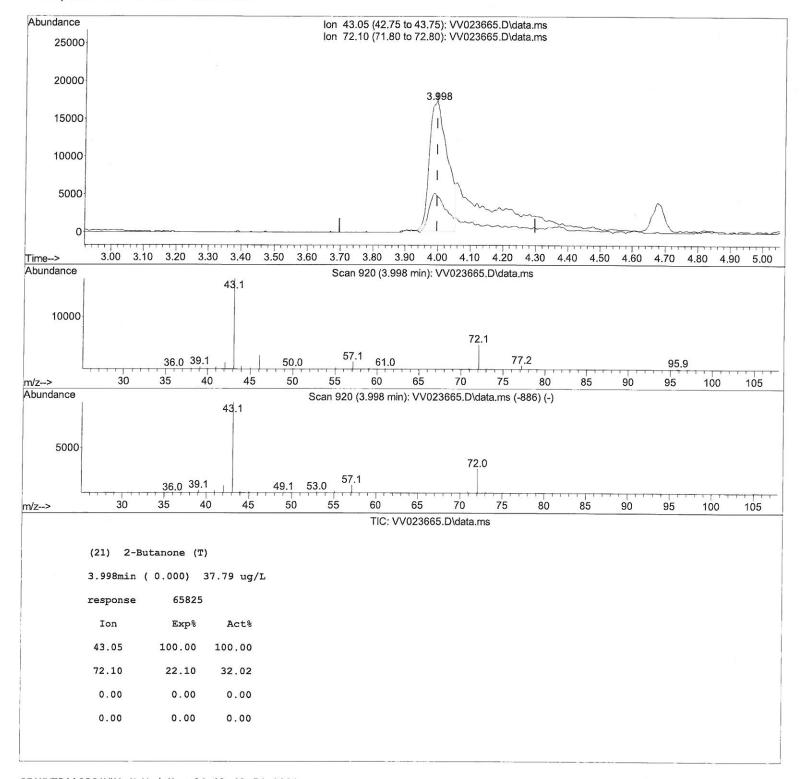


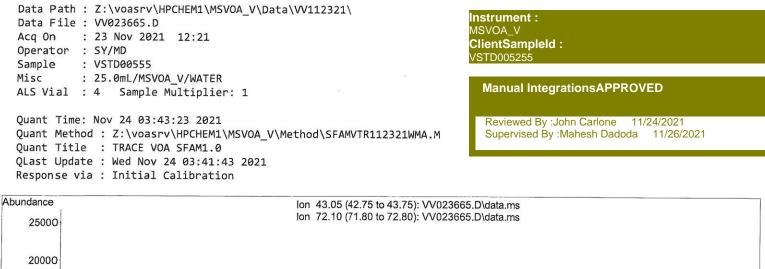


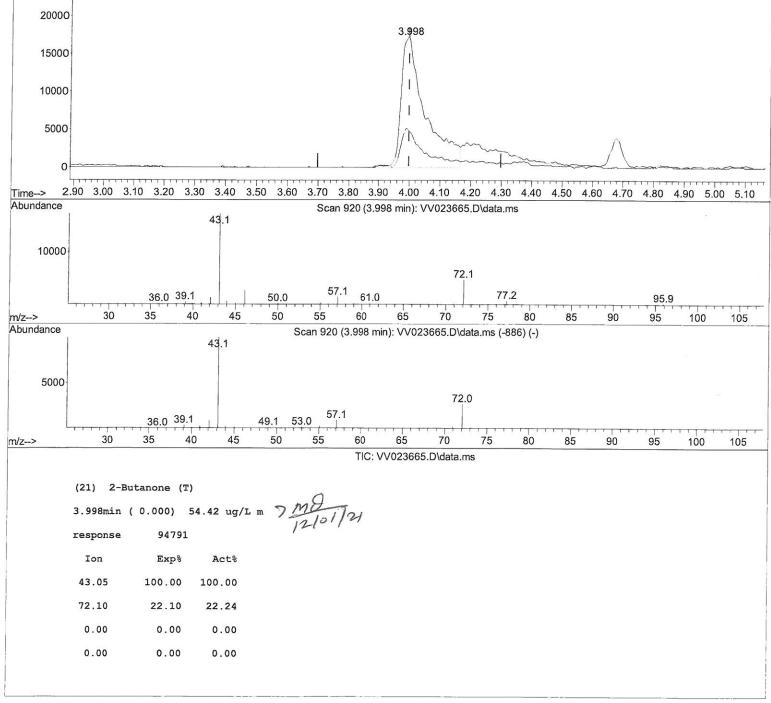
Abundance Ion 46.10 (45.80 to 46.80): VV023665.D\data.ms Ion 77.10 (76.80 to 77.80): VV023665.D\data.ms 20000 15000 3.908 10000 5000 C 3.30 3.40 3.50 3.60 3.70 3.80 3.90 4.00 4.10 4.20 4.30 2.90 3.00 3.10 3.20 4.40 4.50 4.60 4.70 4.80 4.90 5.00 Time--> Abundance Scan 892 (3.908 min): VV023665.D\data.ms 61.0 96.0 20000 46.1 10000 77.1 35.0 99.9 50.0 69.9 42.1 55.9 50 40 45 55 60 70 85 25 30 35 65 75 80 m/z--> 90 95 100 105 110 Abundance Scan 892 (3.908 min): VV023665.D\data.ms (-882) (-) 61.0 96.0 46.1 5000 77 1 35.0 99.9 50.0 42.1 55.9 69.9 65 25 30 35 40 45 50 55 60 70 75 80 85 90 95 100 105 110 m/z--> TIC: VV023665.D\data.ms (20) 2-Butanone-d5 (S) 101/21 3.908min (0.000) 44.01 ug/L m 73917 response Ion Exp% Act% 46.10 100.00 100.00 77.10 9.40 9.39 0.00 0.00 0.00 0.00 0.00 0.00

Response via : Initial Calibration









SFAMVTR112321WMA.M Wed Nov 24 03:49:08 2021

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112321\												
Data File : VV023665.D	Instrument : MSVOA_V											
Acq On : 23 Nov 2021 12:21	ClientSampleld :											
Operator : SY/MD	VSTD005255											
Sample : VSTD00555	101000200											
Misc : 25.0mL/MSVOA_V/WATE	Manual Integrations A DDDOV/ED											
ALS Vial : 4 Sample Multipli	er: 1				Manual IntegrationsAPPROVED							
Quant Time: Nov 24 03:43:23 202					Reviewed By :John Carlone 11/24/2021							
Quant Method : Z:\voasrv\HPCHEM	Supervised By :Mahesh Dadoda 11/26/2021											
Quant Title : TRACE VOA SFAM1.												
QLast Update : Wed Nov 24 03:41												
Response via : Initial Calibrat:	ion											
Compound	рт	OTon	Pachanca	Conc Unite Day	(Mi-)							
				Conc Units Dev								
Internal Standards												
1) 1,4-Difluorobenzene	5 610	114	161910	5.000 ug/L	0.00							
28) Chlorobenzene-d5	8.853				0.00							
58) 1,4-Dichlorobenzene-d4	11.249		91564	5.000 ug/L 5.000 ug/L	0.00 0.00							
56) I,4-Dichior Obenzene-u4	11.249	172	91504	5.000 ug/L	0.00							
System Monitoring Compounds												
4) Vinyl Chloride-d3	1.307	65	56971	5.549 ug/L	0.00							
7) Chloroethane-d5	1.568	69	43585	•								
11) 1,1-Dichloroethene-d2	2.111			5.272 ug/L	0.00							
20) 2-Butanone-d5		63	108894	5.633 ug/L	0.00 > M = 12/21							
· · · · · · · · · · · · · · · · · · ·	3.908 4.349	46	73917m	44.011 ug/L	0.00 12/01/24							
24) Chloroform-d		84	101829	4.842 ug/L	0.00							
26) 1,2-Dichloroethane-d4	5.034	65	46675	4.902 ug/L	0.00							
32) Benzene-d6	5.050	84	196877	4.841 ug/L	0.00							
36) 1,2-Dichloropropane-d6	6.072	67	54666	4.606 ug/L	0.00							
41) Toluene-d8	7.316	98	194871	5.084 ug/L	0.00							
43) trans-1,3-Dichloroprop	7.622	79	22937	5.024 ug/L	0.00							
46) 2-Hexanone-d5	8.091	63	77113	47.127 ug/L	0.00							
56) 1,1,2,2-Tetrachloroeth		84	39932	4.683 ug/L	0.00							
66) 1,2-Dichlorobenzene-d4	11.625	152	70211	4.720 ug/L	0.00							
Target Compounds				0.45								
2) Dichlorodifluoromethane	1.130	OF	00050	And the second s	alue							
3) Chloromethane	1.240	85	82259	5.219 ug/L	100							
5) Vinyl chloride	1.310	50	70417	5.232 ug/L	100							
6) Bromomethane	1.523	62 94	74461 41239	5.482 ug/L	100							
8) Chloroethane	1.525	94 64		4.901 ug/L	100							
9) Trichlorofluoromethane	1.754		44764	5.647 ug/L	100							
10) 1,1,2-Trichloro-1,2,2		101	122309	5.881 ug/L	100							
12) 1,1-Dichloroethene	2.117	101	60910	5.832 ug/L	100							
13) Acetone	2.121	96	58572	5.857 ug/L	$\frac{100}{100} \xrightarrow{MO}_{12/=1/21}$							
14) Carbon disulfide	2.198	43	74128m	64.559 ug/L								
	2.294	76	196771	5.365 ug/L	100 12/0/124							
15) Methyl Acetate 16) Methylene chloride	2.445	43	16309	5.247 ug/L								
	2.506	84	67575	4.738 ug/L	100							
17) Methyl tert-butyl Ether 18) trans-1,2-Dichloroethene	2.770	73	121456	5.613 ug/L	100							
 A set and set and	2.760	96	66134	5.500 ug/L	100							
19) 1,1-Dichloroethane 21) 2-Butanone	3.191	63	112045	5.522 ug/L	100 mD 100 12/01/21							
22) cis-1,2-Dichloroethene	3.998	43	94791m	54.418 ug/L	200 1.121							
23) Bromochloromethane	3.915	96	65000	5.594 ug/L	100 12/01/21							
	4.249	128	30157	5.635 ug/L	100							
25) Chloroform	4.374	83	124832	5.696 ug/L	100							
27) 1,2-Dichloroethane	5.133	62	68615	5.866 ug/L	100							
29) 1,1,1-Trichloroethane	4.609	97 56	115657	5.717 ug/L	100							
30) Cyclohexane	4.680	56	97856	5.464 ug/L	100							
31) Carbon tetrachloride	4.828	117	106751	5.841 ug/L	100							
33) Benzene	5.101	78	257319	5.603 ug/L	100							
34) Trichloroethene	5.915	95	67848	5.518 ug/L	100							
35) Methylcyclohexane	6.130	83	107479	5.541 ug/L	100							
37) 1,2-Dichloropropane	6.172	63	59913	5.604 ug/L	100							
38) Bromodichloromethane	6.509	83	82528	5.663 ug/L	100							
39) cis-1,3-Dichloropropene	7.027	75	86594	5.585 ug/L	100							
40) 4-Methyl-2-pentanone	7.230	43	302741	59.764 ug/L	100							
42) Toluene	7.387	91	292237	5.902 ug/L	100							

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SFAMVTR112321WMA.M Wed Nov 24 03:49:57 2021

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV112321\ Data File : VV023665.D Acq On : 23 Nov 2021 12:21 Operator : SY/MD Sample : VSTD00555 Misc : 25.0mL/MSVOA_V/WATER ALS Vial : 4 Sample Multiplier: 1

Instrument : MSVOA_V ClientSampleId : VSTD005255

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 11/24/2021 Supervised By :Mahesh Dadoda 11/26/2021

Quant Time: Nov 24 03:43:23 2021 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M Quant Title : TRACE VOA SFAM1.0 QLast Update : Wed Nov 24 03:41:43 2021 Response via : Initial Calibration

Compound R.T. QIon Response Conc Units Dev(Min) 44) trans-1,3-Dichloropropene 7.651 75 74129 5.782 ug/L 100 45) 1,1,2-Trichloroethane 7.841 97 44171 5.658 ug/L 100 47) Tetrachloroethene 7.976 164 62704 5.837 ug/L 100 48) 2-Hexanone 8.140 43 228843 64.947 ug/L 100 Dibromochloromethane 8.246 129 59008 5.931 ug/L 100 50) 1,2-Dibromoethane 8.355 107 42576 5.921 ug/L 100 51) Chlorobenzene 8.882 112 185962 5.658 ug/L 100 52) Ethylbenzene 9.011 91 299851 5.734 ug/L 100 53) m,p-xylene 9.140 106 123130 5.954 ug/L 100 54) o-xylene 9.545 106 114014 5.912 ug/L 100 55) Styrene 9.561 104 202665 6.115 ug/L 100 57) 1,1,2,2-Tetrachloroethane 10.242 83 48211 5.683 ug/L 100

 57)
 Bromoform

 60)
 Isopropylbenzene

 61)
 1,2,3-Trichloropropane
 10.275
 75

 62)
 1,3,5-Trimethylbenzene
 10.538
 105

 63)
 1,2,4-Trimethylbenzene
 10.914
 105

 64)
 1.3-Dichlorobenzene
 11.181
 146

 14
 146
 11.641
 146

 9.731 173 33094 5.874 ug/L 100 311545 5.800 ug/L 100 5.642 ug/L 34814 100 255310 5.728 ug/L 100 261096 5.883 ug/L 100 155255 5.681 ug/L 100 154695 5.556 ug/L 100 140874 5.732 ug/L 100 68) 1,2-Dibromo-3-chloropr... 12.429 75 7161 5.470 ug/L 100 69) 1,3,5-Trichlorobenzene12.64418011866270) 1,2,4-trichlorobenzene13.26218091708 5.518 ug/L 100 5.360 ug/L 91708 100 71) Naphthalene 13.503 128 122298 4.936 ug/L 100 72) 1,2,3-Trichlorobenzene 13.744 180 81397 5.446 ug/L 100 (#) = qualifier out of range (m) = manual integration (+) = signals summed

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