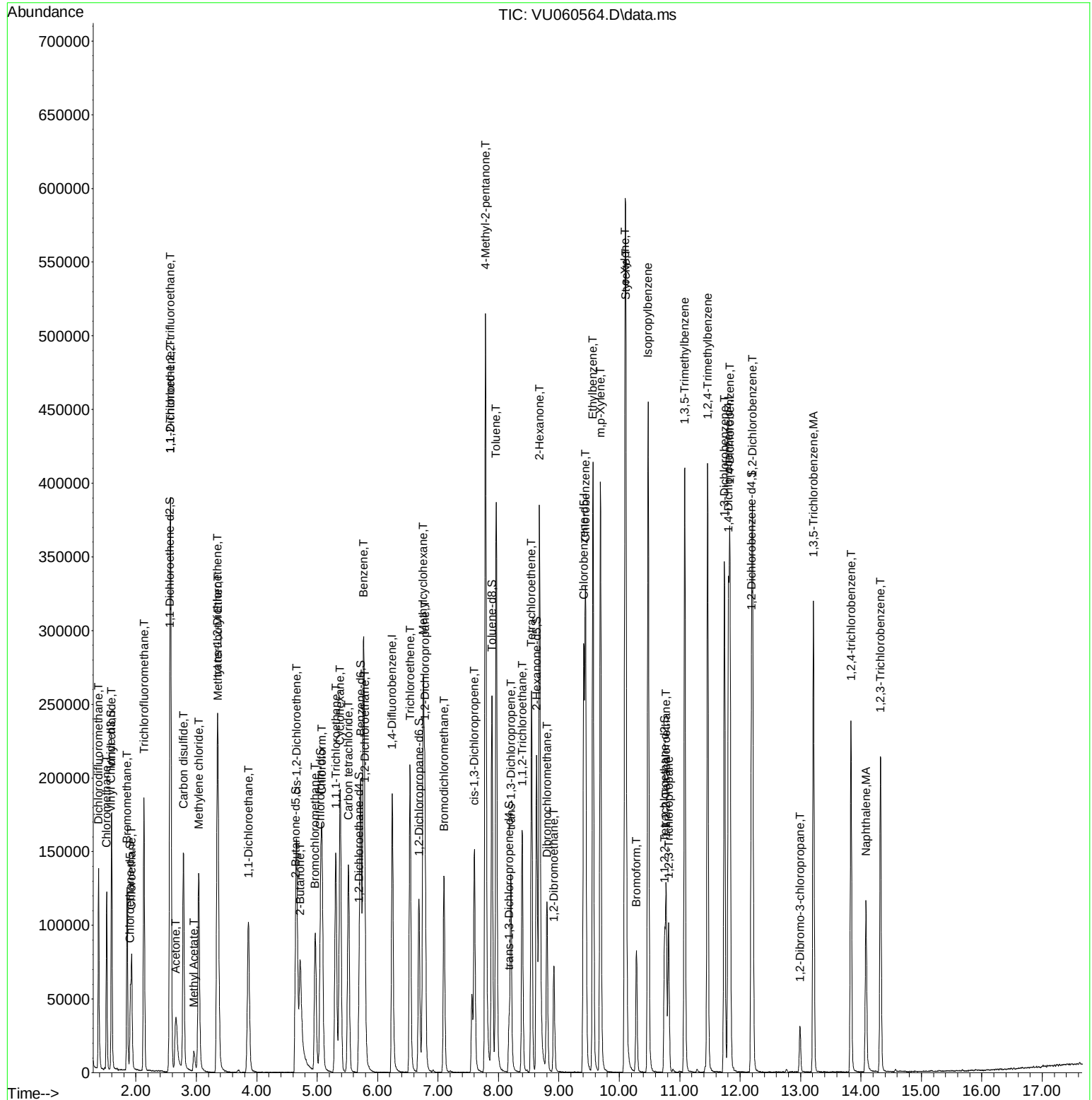


Reviewed By :John Carlone 08/30/2024
Supervised By :Mahesh Dadoda 08/30/2024

Quant Time: Aug 29 23:08:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Aug 29 05:46:35 2024
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082924\
 Data File : VU060564.D
 Acq On : 29 Aug 2024 12:38
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Manual IntegrationsAPPROVED

Quant Time: Aug 29 23:08:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 29 05:46:35 2024
 Response via : Initial Calibration

Reviewed By :John Carlone 08/30/2024
 Supervised By :Mahesh Dadoda 08/30/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	166990	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	170400	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	86717	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	45051	6.108	ug/L	0.00
Spiked Amount 5.000	Range 40	- 130	Recovery	=	122.200%	
7) Chloroethane-d5	1.907	69	41549	3.718	ug/L	0.00
Spiked Amount 5.000	Range 65	- 130	Recovery	=	74.400%	
11) 1,1-Dichloroethene-d2	2.560	65	21242	4.887	ug/L	0.00
Spiked Amount 5.000	Range 60	- 125	Recovery	=	97.800%	
20) 2-Butanone-d5	4.640	46	97448	38.421	ug/L	0.02
Spiked Amount 50.000	Range 40	- 130	Recovery	=	76.840%	
24) Chloroform-d	5.055	84	104202	4.955	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	99.200%	
26) 1,2-Dichloroethane-d4	5.695	65	47355	4.316	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	86.400%	
32) Benzene-d6	5.721	84	192785	5.174	ug/L	0.00
Spiked Amount 5.000	Range 70	- 125	Recovery	=	103.400%	
36) 1,2-Dichloropropane-d6	6.685	67	60178	5.006	ug/L	0.00
Spiked Amount 5.000	Range 60	- 140	Recovery	=	100.200%	
41) Toluene-d8	7.894	98	184662	5.283	ug/L	0.00
Spiked Amount 5.000	Range 70	- 130	Recovery	=	105.600%	
43) trans-1,3-Dichloroprop...	8.177	79	20900	4.858	ug/L	0.00
Spiked Amount 5.000	Range 55	- 130	Recovery	=	97.200%	
46) 2-Hexanone-d5	8.631	63	79449	38.572	ug/L	0.00
Spiked Amount 50.000	Range 45	- 130	Recovery	=	77.140%	
56) 1,1,2,2-Tetrachloroeth...	10.749	84	47801	4.468	ug/L	0.00
Spiked Amount 5.000	Range 65	- 120	Recovery	=	89.400%	
66) 1,2-Dichlorobenzene-d4	12.187	152	63566	4.971	ug/L	0.00
Spiked Amount 5.000	Range 80	- 120	Recovery	=	99.400%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	89317	4.713	ug/L	99
3) Chloromethane	1.515	50	84209	5.129	ug/L	98
5) Vinyl chloride	1.599	62	88623	5.482	ug/L	95
6) Bromomethane	1.853	94	59045	3.629	ug/L	96
8) Chloroethane	1.930	64	49321	3.344	ug/L	100
9) Trichlorofluoromethane	2.132	101	123359	3.510	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	67909	4.567	ug/L	98
12) 1,1-Dichloroethene	2.573	96	64488	4.712	ug/L	92
13) Acetone	2.660	43	88700m	41.794	ug/L	
14) Carbon disulfide	2.785	76	202087	4.550	ug/L	99
15) Methyl Acetate	2.962	43	20975	4.833	ug/L	98
16) Methylene chloride	3.039	84	72804	5.477	ug/L	84
17) Methyl tert-butyl Ether	3.357	73	135401	4.875	ug/L	95
18) trans-1,2-Dichloroethene	3.348	96	66087	5.547	ug/L	94
19) 1,1-Dichloroethane	3.862	63	121845	5.046	ug/L	96
21) 2-Butanone	4.718	43	138065	47.570	ug/L	99
22) cis-1,2-Dichloroethene	4.656	96	69140	5.208	ug/L	93
23) Bromochloromethane	4.968	128	33804	5.602	ug/L #	90

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU082924\
 Data File : VU060564.D
 Acq On : 29 Aug 2024 12:38
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD005183

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 08/30/2024
 Supervised By :Mahesh Dadoda 08/30/2024

Quant Time: Aug 29 23:08:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR082324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Aug 29 05:46:35 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	5.081	83	128937	5.046	ug/L	97
27) 1,2-Dichloroethane	5.788	62	75873	4.424	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	112885	4.837	ug/L	96
30) Cyclohexane	5.380	56	90039	4.660	ug/L	95
31) Carbon tetrachloride	5.518	117	100952	4.680	ug/L	96
33) Benzene	5.766	78	272933	5.050	ug/L	100
34) Trichloroethene	6.537	95	72597	4.956	ug/L	98
35) Methylcyclohexane	6.756	83	100690	5.009	ug/L	94
37) 1,2-Dichloropropane	6.782	63	71050	5.131	ug/L #	98
38) Bromodichloromethane	7.097	83	90010	4.946	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	97888	4.821	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	335279	46.487	ug/L	95
42) Toluene	7.962	91	297503	5.209	ug/L	94
44) trans-1,3-Dichloropropene	8.206	75	83098	4.985	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	53227	5.306	ug/L	96
47) Tetrachloroethene	8.547	164	60743	5.059	ug/L	98
48) 2-Hexanone	8.679	43	246994	45.760	ug/L	93
49) Dibromochloromethane	8.804	129	62564	5.387	ug/L	97
50) 1,2-Dibromoethane	8.917	107	50490	5.482	ug/L #	96
51) Chlorobenzene	9.441	112	189881	5.136	ug/L	98
52) Ethylbenzene	9.566	91	295075	4.875	ug/L	97
53) m,p-Xylene	9.688	106	121079	5.381	ug/L	94
54) o-Xylene	10.097	106	113677	4.935	ug/L	95
55) Styrene	10.110	104	195780	5.187	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.775	83	63221	4.936	ug/L	97
59) Bromoform	10.283	173	39909	5.600	ug/L	97
60) Isopropylbenzene	10.479	105	298978	5.161	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	44527	5.323	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	228665	5.296	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	229214	5.204	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	150675	5.314	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	150882	5.244	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	140467	5.281	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.991	75	8558	4.533	ug/L #	73
69) 1,3,5-Trichlorobenzene	13.212	180	108581	4.967	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	79617	4.514	ug/L	99
71) Naphthalene	14.084	128	105351	4.675	ug/L	99
72) 1,2,3-Trichlorobenzene	14.322	180	72771	4.930	ug/L	97

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