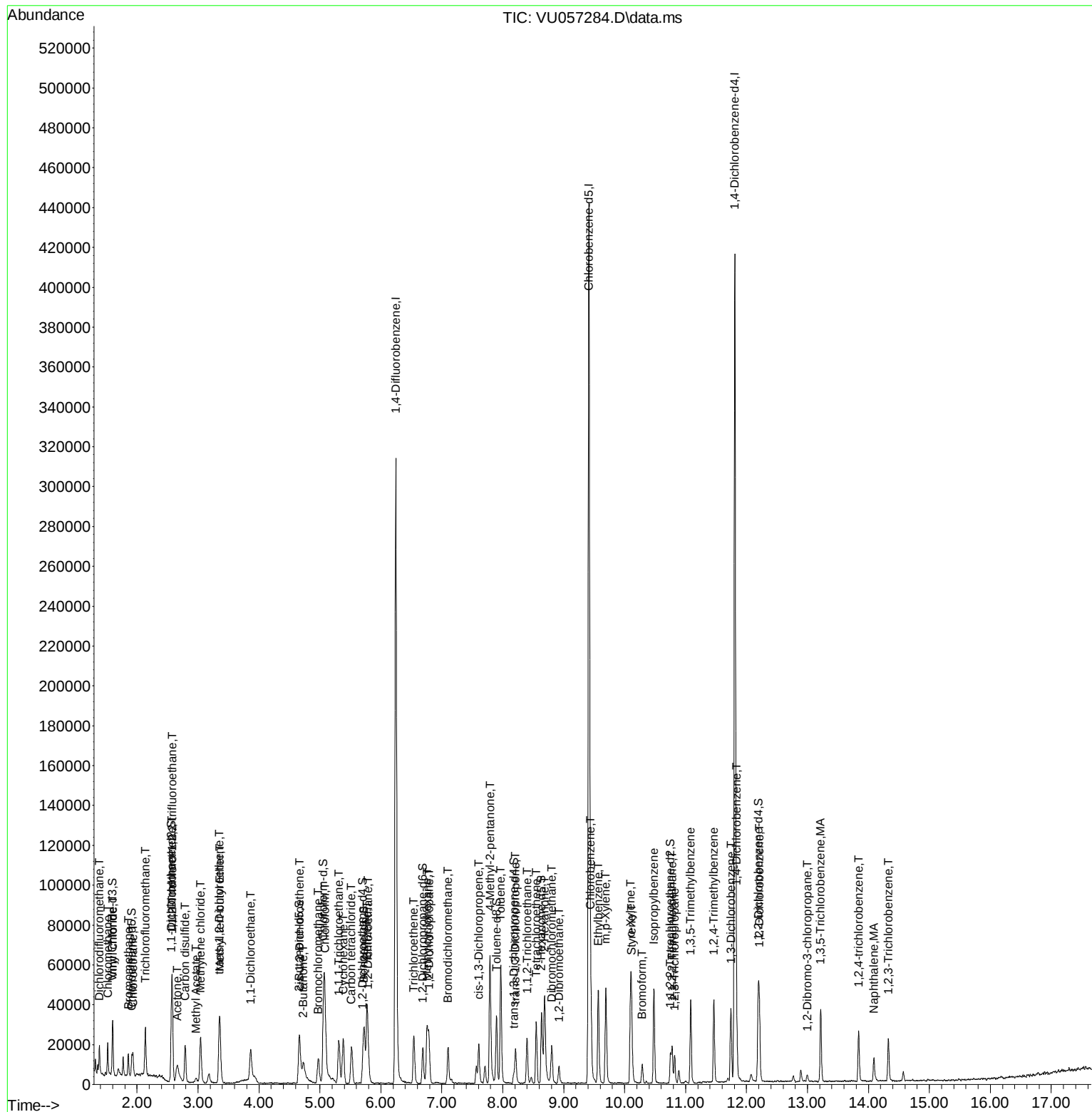


Instrument :
MSVOA_U
ClientSampleId :
VSTD0.5017

Reviewed By :John Carlone 12/29/2023
Supervised By :Mahesh Dadoda 12/29/2023

Reviewed By :John Carlone 12/29/2023
Supervised By :Mahesh Dadoda 12/29/2023



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
 Data File : VU057284.D
 Acq On : 27 Dec 2023 16:38
 Operator : MD/SY
 Sample : VSTD0.517
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD0.5017

Manual IntegrationsAPPROVED

Quant Time: Dec 28 00:17:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 00:16:32 2023
 Response via : Initial Calibration

Reviewed By :John Carlone 12/29/2023
 Supervised By :Mahesh Dadoda 12/29/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	250805	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	250480	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	108685	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	9157	0.390	ug/L	0.00
7) Chloroethane-d5	1.911	69	7517	0.391	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	3762	0.378	ug/L	0.00
20) 2-Butanone-d5	4.660	46	18948	4.763	ug/L	0.03
24) Chloroform-d	5.058	84	16386	0.369	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.702	65	8259	0.384	ug/L	0.00
32) Benzene-d6	5.724	84	28294	0.342	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.689	67	8898	0.371	ug/L	0.00
41) Toluene-d8	7.898	98	23124	0.310	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.184	79	3211	0.321	ug/L	0.00
46) 2-Hexanone-d5	8.634	63	12240	3.405	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.753	84	7756	0.440	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.193	152	9736	0.431	ug/L	0.00
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	8573	0.383	ug/L	94
3) Chloromethane	1.518	50	11023	0.531	ug/L	99
5) Vinyl chloride	1.602	62	10653	0.491	ug/L	99
6) Bromomethane	1.856	94	4633	0.475	ug/L	83
8) Chloroethane	1.933	64	7330	0.533	ug/L	99
9) Trichlorofluoromethane	2.136	101	14844	0.389	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	8912	0.437	ug/L	95
12) 1,1-Dichloroethene	2.573	96	8364	0.455	ug/L	97
13) Acetone	2.657	43	21531m	8.990	ug/L	
14) Carbon disulfide	2.788	76	25392	0.444	ug/L	98
15) Methyl Acetate	2.968	43	4018	0.719	ug/L #	62
16) Methylene chloride	3.042	84	11888	0.547	ug/L	94
17) Methyl tert-butyl Ether	3.354	73	19269	0.482	ug/L	98
18) trans-1,2-Dichloroethene	3.348	96	8278	0.465	ug/L	94
19) 1,1-Dichloroethane	3.862	63	17604	0.492	ug/L	93
21) 2-Butanone	4.727	43	23712m	6.441	ug/L	
22) cis-1,2-Dichloroethene	4.663	96	9476	0.481	ug/L	96
23) Bromochloromethane	4.972	128	4334	0.498	ug/L	82
25) Chloroform	5.084	83	18162	0.455	ug/L	97
27) 1,2-Dichloroethane	5.792	62	11839	0.499	ug/L	99
29) 1,1,1-Trichloroethane	5.309	97	16064	0.423	ug/L	99
30) Cyclohexane	5.383	56	10165	0.387	ug/L	94
31) Carbon tetrachloride	5.515	117	12852	0.387	ug/L	97
33) Benzene	5.772	78	35127	0.451	ug/L	100
34) Trichloroethene	6.537	95	9214	0.410	ug/L	92
35) Methylcyclohexane	6.759	83	10245	0.348	ug/L	94
37) 1,2-Dichloropropane	6.788	63	9952	0.504	ug/L #	94
38) Bromodichloromethane	7.100	83	12674	0.451	ug/L	94
39) cis-1,3-Dichloropropene	7.608	75	12329	0.420	ug/L	100
40) 4-Methyl-2-pentanone	7.791	43	43112	4.807	ug/L	95
42) Toluene	7.968	91	44217	0.541	ug/L	93

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU122723\
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 VSTD0.5017

Manual IntegrationsAPPROVED

Reviewed By :John Carlone 12/29/2023
 Supervised By :Mahesh Dadoda 12/29/2023

Quant Time: Dec 28 00:17:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR122723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Dec 28 00:16:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	8.209	75	10797	0.431	ug/L	94
45) 1,1,2-Trichloroethane	8.399	97	7414	0.535	ug/L	94
47) Tetrachloroethene	8.550	164	6696	0.418	ug/L	86
48) 2-Hexanone	8.689	43	29902	4.510	ug/L #	89
49) Dibromochloromethane	8.807	129	8224	0.470	ug/L	91
50) 1,2-Dibromoethane	8.923	107	6044	0.469	ug/L #	89
51) Chlorobenzene	9.444	112	22116	0.414	ug/L	99
52) Ethylbenzene	9.569	91	32864	0.360	ug/L	95
53) m,p-Xylene	9.692	106	13442	0.402	ug/L	99
54) o-Xylene	10.097	106	11773	0.364	ug/L	85
55) Styrene	10.116	104	17426	0.326	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.778	83	8286	0.494	ug/L	93
59) Bromoform	10.290	173	4396	0.527	ug/L	92
60) Isopropylbenzene	10.479	105	30042	0.390	ug/L	98
61) 1,2,3-Trichloropropane	10.820	75	5849	0.562	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	22287	0.354	ug/L	95
63) 1,2,4-Trimethylbenzene	11.463	105	22139	0.357	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	15101	0.411	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	16687	0.451	ug/L	97
67) 1,2-Dichlorobenzene	12.209	146	14994	0.452	ug/L	95
68) 1,2-Dibromo-3-chloropr...	13.000	75	1247	0.538	ug/L	89
69) 1,3,5-Trichlorobenzene	13.216	180	11277	0.416	ug/L	96
70) 1,2,4-trichlorobenzene	13.843	180	8040	0.376	ug/L	96
71) Naphthalene	14.090	128	11030	0.395	ug/L	96
72) 1,2,3-Trichlorobenzene	14.328	180	6805	0.399	ug/L	96

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