

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW121423\
 Data File : VW027632.D
 Acq On : 14 Dec 2023 16:56
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD025564

Quant Time: Dec 15 03:33:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Dec 15 03:28:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 12/15/2023
 Supervised By :Mahesh Dadoda 12/15/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	329324	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	306723	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	165983	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	108696	16.402	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.600%
7) Chloroethane-d5	2.899	69	95267	19.830	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.320%
11) 1,1-Dichloroethene-d2	4.027	65	52675	18.784	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.120%
21) 2-Butanone-d5	7.100	46	59367	34.186	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	68.380%
24) Chloroform-d	7.648	84	241212	24.538	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.160%
26) 1,2-Dichloroethane-d4	8.307	65	114299	22.738	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.960%
32) Benzene-d6	8.276	84	470491	21.779	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.120%
36) 1,2-Dichloropropane-d6	9.276	67	150324	23.604	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.400%
41) Toluene-d8	10.325	98	407311	21.549	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	10.575	79	52861	21.464	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.840%
47) 2-Hexanone-d5	10.922	63	45509	38.352	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	76.700%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	107614	20.543	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.160%
66) 1,2-Dichlorobenzene-d4	13.848	152	132421	22.760	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.040%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	94999	21.544	ug/L	91
3) Chloromethane	2.229	50	158779	29.401	ug/L	99
5) Vinyl chloride	2.369	62	158008	25.083	ug/L	98
6) Bromomethane	2.796	94	93134	28.172	ug/L	94
8) Chloroethane	2.936	64	95292	26.485	ug/L	92
9) Trichlorofluoromethane	3.271	101	208711	34.593	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	133378m	25.925	ug/L	
12) 1,1-Dichloroethene	4.045	96	123640	26.322	ug/L	85
13) Acetone	4.167	43	67529	40.338	ug/L	97
14) Carbon disulfide	4.387	76	388377	27.360	ug/L	99
15) Methyl Acetate	4.685	43	50536	17.273	ug/L	98
16) Methylene chloride	4.923	84	143291	26.682	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	133137	27.488	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	204922	26.230	ug/L	98
19) 1,1-Dichloroethane	6.222	63	272718	27.687	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	145656	28.002	ug/L	98
22) 2-Butanone	7.185	43	83142	38.496	ug/L	99
23) Bromochloromethane	7.520	128	57820	28.261	ug/L	99
25) Chloroform	7.679	83	255567	28.575	ug/L	94

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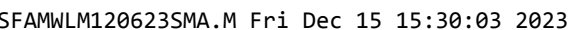
Reviewed By :Semsettin Yesilyurt 12/15/2023
 Supervised By :Mahesh Dadoda 12/15/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	158126	27.355	ug/L	99
29) Cyclohexane	7.959	56	255587	25.346	ug/L	99
30) 1,1,1-Trichloroethane	7.880	97	213739	24.981	ug/L	99
31) Carbon tetrachloride	8.075	117	183726	24.618	ug/L	98
33) Benzene	8.325	78	576108	27.214	ug/L	100
34) Trichloroethene	9.093	95	149520	25.858	ug/L	94
35) Methylcyclohexane	9.337	83	263041	25.548	ug/L	100
37) 1,2-Dichloropropane	9.368	63	153554	27.473	ug/L	99
38) Bromodichloromethane	9.642	83	175566	27.171	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	221623	27.467	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	150142	39.740	ug/L	100
42) Toluene	10.386	91	608005	27.155	ug/L	97
44) trans-1,3-Dichloropropene	10.605	75	178214	27.380	ug/L	94
45) 1,1,2-Trichloroethane	10.788	97	95372	24.501	ug/L	100
46) Tetrachloroethene	10.861	164	107486	26.075	ug/L	96
48) 2-Hexanone	10.965	43	120665	45.318	ug/L	98
49) Dibromochloromethane	11.129	129	101104	26.276	ug/L	99
50) 1,2-Dibromoethane	11.233	107	85337	23.962	ug/L	99
51) Chlorobenzene	11.654	112	376333	27.860	ug/L	97
52) Ethylbenzene	11.727	91	694850	27.320	ug/L	95
53) m,p-Xylene	11.837	106	257528	27.479	ug/L	89
54) o-Xylene	12.160	106	249098	29.244	ug/L	92
55) Styrene	12.178	104	422449	29.057	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	110332	21.772	ug/L	97
59) Bromoform	12.349	173	50796	21.851	ug/L	100
60) Isopropylbenzene	12.458	105	694605	25.346	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	78182	19.529	ug/L	98
62) 1,3,5-Trimethylbenzene	12.940	105	532436	26.268	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	553372	27.412	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	284610	27.113	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	286472	27.360	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	243547	25.752	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.482	75	16626	17.265	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.623	180	195003	27.625	ug/L	97
70) 1,2,4-trichlorobenzene	15.123	180	154272	28.144	ug/L	99
71) Naphthalene	15.360	128	267632	23.213	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	132709	28.262	ug/L	98

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

Manual Integrations

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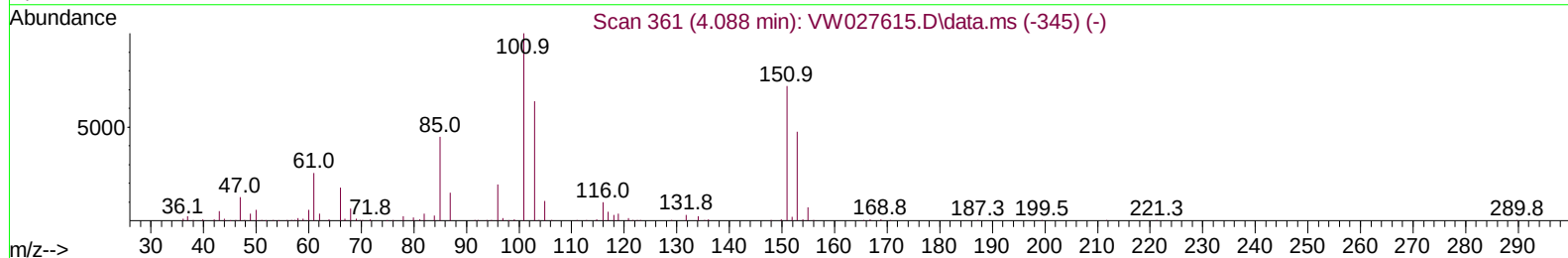
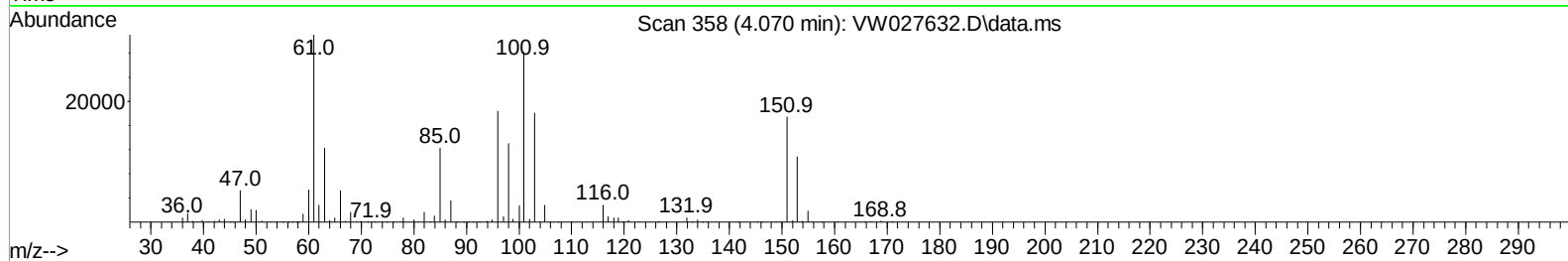
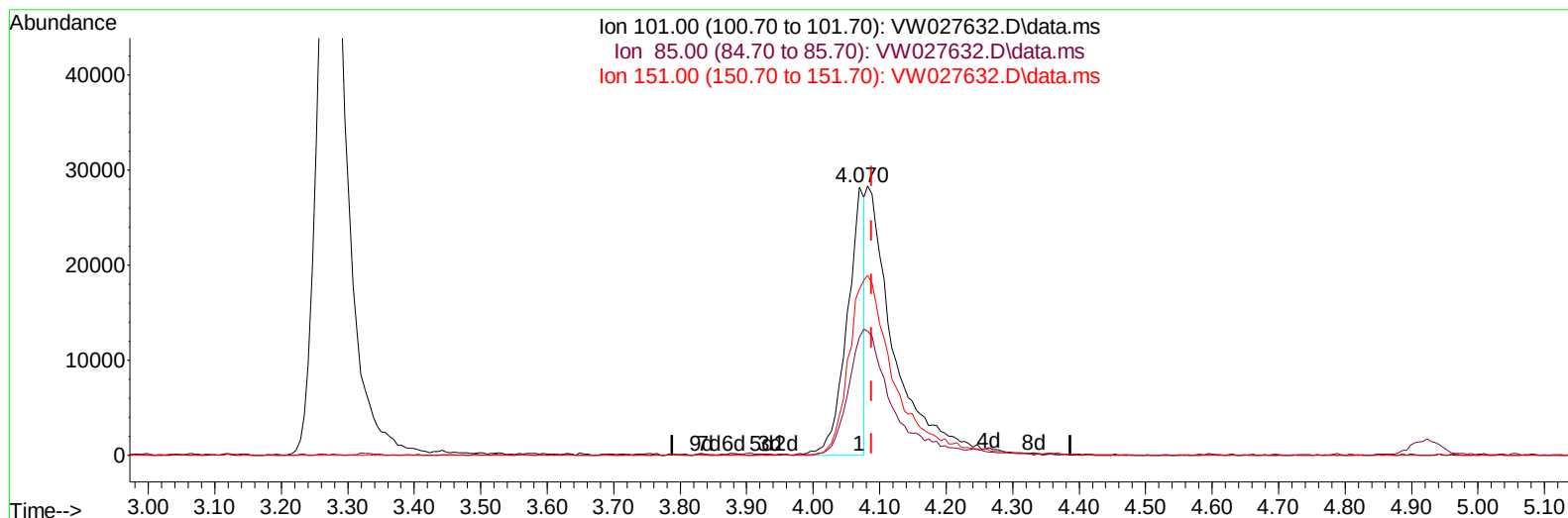
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TIC: VW027632.D\data.ms

(10) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

4.070min (-0.018) 9.99 ug/L

response 51371

Ion	Exp%	Act%
101.00	100.00	100.00
85.00	42.40	100.94#
151.00	68.20	148.55#
0.00	0.00	0.00

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58) 1,4-Dichlorobenzene-d4	13.556	152	165983	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	108696	16.402	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery =	65.600%		
7) Chloroethane-d5	2.899	69	95267	19.830	ug/L	0.00
Spiked Amount 25.000	Range 30	- 150	Recovery =	79.320%		
11) 1,1-Dichloroethene-d2	4.027	65	52675	18.784	ug/L	0.00
Spiked Amount 25.000	Range 45	- 110	Recovery =	75.120%		
21) 2-Butanone-d5	7.100	46	59367	34.186	ug/L	0.02
Spiked Amount 50.000	Range 20	- 135	Recovery =	68.380%		
24) Chloroform-d	7.648	84	241212	24.538	ug/L	0.00
Spiked Amount 25.000	Range 40	- 150	Recovery =	98.160%		
26) 1,2-Dichloroethane-d4	8.307	65	114299	22.738	ug/L	0.00
Spiked Amount 25.000	Range 70	- 130	Recovery =	90.960%		
32) Benzene-d6	8.276	84	470491	21.779	ug/L	0.00
Spiked Amount 25.000	Range 20	- 135	Recovery =	87.120%		
36) 1,2-Dichloropropane-d6	9.276	67	150324	23.604	ug/L	0.00
Spiked Amount 25.000	Range 70	- 120	Recovery =	94.400%		
41) Toluene-d8	10.325	98	407311	21.549	ug/L	0.00
Spiked Amount 25.000	Range 30	- 130	Recovery =	86.200%		
43) trans-1,3-Dichloroprop...	10.575	79	52861	21.464	ug/L	0.00
Spiked Amount 25.000	Range 30	- 135	Recovery =	85.840%		
47) 2-Hexanone-d5	10.922	63	45509	38.352	ug/L	0.00
Spiked Amount 50.000	Range 20	- 135	Recovery =	76.700%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	107614	20.543	ug/L	0.00
Spiked Amount 25.000	Range 45	- 120	Recovery =	82.160%		
66) 1,2-Dichlorobenzene-d4	13.848	152	132421	22.760	ug/L	0.00
Spiked Amount 25.000	Range 75	- 120	Recovery =	91.040%		
Target Compounds						
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2) Dichlorodifluoromethane	2.015	85	94999	21.544	ug/L	91
3) Chloromethane	2.229	50	158779	29.401	ug/L	99
5) Vinyl chloride	2.369	62	158008	25.083	ug/L	98
6) Bromomethane	2.796	94	93134	28.172	ug/L	94
8) Chloroethane	2.936	64	95292	26.485	ug/L	92
9) Trichlorofluoromethane	3.271	101	208711	34.593	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	133378m	25.925	ug/L	
12) 1,1-Dichloroethene	4.045	96	123640	26.322	ug/L	85
13) Acetone	4.167	43	67529	40.338	ug/L	97
14) Carbon disulfide	4.387	76	388377	27.360	ug/L	99
15) Methyl Acetate	4.685	43	50536	17.273	ug/L	98
16) Methylene chloride	4.923	84	143291	26.682	ug/L	97
17) trans-1,2-Dichloroethene	5.429	96	133137	27.488	ug/L	95
18) Methyl tert-butyl Ether	5.429	73	204922	26.230	ug/L	98
19) 1,1-Dichloroethane	6.222	63	272718	27.687	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	145656	28.002	ug/L	98
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25) Chloroform	7.679	83	255567	28.575	ug/L	94
27) 1,2-Dichloroethane	8.398	62	158126	27.355	ug/L	99
29) Cyclohexane	7.959	56	255587	25.346	ug/L	99
30) 1,1,1-Trichloroethane	7.880	97	213739	24.981	ug/L	99
31) Carbon tetrachloride	8.075	117	183726	24.618	ug/L	98
33) Benzene	8.325	78	576108	27.214	ug/L	100
34) Trichloroethene	9.093	95	149520	25.858	ug/L	94
35) Methylcyclohexane	9.337	83	263041	25.548	ug/L	100
37) 1,2-Dichloropropane	9.368	63	153554	27.473	ug/L	99
38) Bromodichloromethane	9.642	83	175566	27.171	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	221623	27.467	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	150142	39.740	ug/L	100
42) Toluene	10.386	91	608005	27.155	ug/L	97
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45) 1,1,2-Trichloroethane	10.788	97	95372	24.501	ug/L	100
46) Tetrachloroethene	10.861	164	107486	26.075	ug/L	96
48) 2-Hexanone	10.965	43	120665	45.318	ug/L	98
49) Dibromochloromethane	11.129	129	101104	26.276	ug/L	99
50) 1,2-Dibromoethane	11.233	107	85337	23.962	ug/L	99
51) Chlorobenzene	11.654	112	376333	27.860	ug/L	97
52) Ethylbenzene	11.727	91	694850	27.320	ug/L	95
53) m,p-Xylene	11.837	106	257528	27.479	ug/L	89
54) o-Xylene	12.160	106	249098	29.244	ug/L	92
55) Styrene	12.178	104	422449	29.057	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.708	83	110332	21.772	ug/L	97
59) Bromoform	12.349	173	50796	21.851	ug/L	100
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62) 1,3,5-Trimethylbenzene	12.940	105	532436	26.268	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	553372	27.412	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	284610	27.113	ug/L	97
65) 1,4-Dichlorobenzene	13.574	146	286472	27.360	ug/L	96
67) 1,2-Dichlorobenzene	13.867	146	243547	25.752	ug/L	97
68) 1,2-Dibromo-3-chloropr...	14.482	75	16626	17.265	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.623	180	195003	27.625	ug/L	97
70) 1,2,4-trichlorobenzene	15.123	180	154272	28.144	ug/L	99
71) Naphthalene	15.360	128	267632	23.213	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	132709	28.262	ug/L	98

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