

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062124\
 Data File : VW036196.D
 Acq On : 21 Jun 2024 10:24
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025296

Quant Time: Jun 21 14:20:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 20 05:02:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	325744	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	329051	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	173730	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	104831	17.505	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	70.000%		
7) Chloroethane-d5	1.526	69	91455	19.152	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	76.600%		
11) 1,1-Dichloroethene-d2	2.050	65	52011	19.508	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	78.040%		
21) 2-Butanone-d5	3.841	46	69245m	50.395	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	100.780%		
24) Chloroform-d	4.243	84	226983	21.918	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	87.680%		
26) 1,2-Dichloroethane-d4	4.937	65	120204	22.138	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	88.560%		
32) Benzene-d6	4.953	84	426467	21.804	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	87.200%		
36) 1,2-Dichloropropane-d6	5.982	67	131077	21.280	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	85.120%		
41) Toluene-d8	7.239	98	390426	22.623	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	90.480%		
43) trans-1,3-Dichloroprop...	7.551	79	59232	23.453	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	93.800%		
47) 2-Hexanone-d5	8.030	63	47678	57.132	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	114.260%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	111612	24.249	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	97.000%		
66) 1,2-Dichlorobenzene-d4	11.557	152	144615	22.699	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	90.800%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	124625	21.218	ug/L	100
3) Chloromethane	1.211	50	135906	20.162	ug/L	99
5) Vinyl chloride	1.278	62	154985	21.841	ug/L	99
6) Bromomethane	1.481	94	105900	24.056	ug/L	99
8) Chloroethane	1.542	64	99575	22.575	ug/L	97
9) Trichlorofluoromethane	1.706	101	225269	25.562	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	142216	25.428	ug/L	99
12) 1,1-Dichloroethene	2.059	96	128649	24.663	ug/L	96
13) Acetone	2.146	43	103378m	48.299	ug/L	
14) Carbon disulfide	2.230	76	405377	22.379	ug/L	99
15) Methyl Acetate	2.384	43	62376	23.446	ug/L	95
16) Methylene chloride	2.439	84	166197	22.548	ug/L	96
17) trans-1,2-Dichloroethene	2.686	96	136326	24.603	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	349422	28.089	ug/L	99
19) 1,1-Dichloroethane	3.104	63	253661	24.038	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	143645	25.799	ug/L	99
22) 2-Butanone	3.908	43	98918m	54.466	ug/L	
23) Bromochloromethane	4.140	128	73808	26.427	ug/L	95
25) Chloroform	4.268	83	271084	24.973	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	181212	26.740	ug/L	99
29) Cyclohexane	4.574	56	196072	25.027	ug/L	97
30) 1,1,1-Trichloroethane	4.503	97	227946	25.339	ug/L	99
31) Carbon tetrachloride	4.725	117	200278	25.378	ug/L	100
33) Benzene	5.001	78	552378	25.667	ug/L	100
34) Trichloroethene	5.828	95	170538	25.855	ug/L	99
35) Methylcyclohexane	6.043	83	231339	25.362	ug/L	97
37) 1,2-Dichloropropane	6.088	63	143346	25.367	ug/L	100
38) Bromodichloromethane	6.429	83	196192	26.231	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	229224	27.121	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	172747	56.266	ug/L	97
42) Toluene	7.310	91	599084	27.243	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	206141	28.237	ug/L	96
45) 1,1,2-Trichloroethane	7.767	97	124650	26.659	ug/L	98
46) Tetrachloroethene	7.902	164	116947	24.243	ug/L	98
48) 2-Hexanone	8.079	43	137572	57.317	ug/L #	95
49) Dibromochloromethane	8.172	129	139637	27.287	ug/L	100
50) 1,2-Dibromoethane	8.278	107	125896	28.061	ug/L	99
51) Chlorobenzene	8.808	112	394907	26.356	ug/L	99
52) Ethylbenzene	8.943	91	644472	27.392	ug/L	100
53) m,p-Xylene	9.069	106	244904	27.703	ug/L	97
54) o-Xylene	9.474	106	233564	28.016	ug/L	99
55) Styrene	9.493	104	419654	28.545	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	113903	27.206	ug/L	98
59) Bromoform	9.664	173	91256	27.853	ug/L	97
60) Isopropylbenzene	9.863	105	636361	28.551	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	114675	27.909	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	459426	28.426	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	507902	29.167	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	311016	26.571	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	318279	26.344	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	295002	26.783	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	27824	30.283	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	230140	26.285	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	198226	28.754	ug/L	99
71) Naphthalene	13.435	128	398066	35.382	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	193955	30.831	ug/L	99

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

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