

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070124\
 Data File : VW036361.D
 Acq On : 01 Jul 2024 09:37
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025310

Quant Time: Jul 02 02:21:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 23:33:02 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/05/2024
 Supervised By :Semsettin Yesilyurt 07/05/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	286442	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	295030	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	164353	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	114761	23.591	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	94.360%		
7) Chloroethane-d5	1.529	69	96549	24.848	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	99.400%		
11) 1,1-Dichloroethene-d2	2.053	65	54577	23.865	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	95.480%		
21) 2-Butanone-d5	3.854	46	52756m	46.726	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	93.460%		
24) Chloroform-d	4.239	84	218637	25.859	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	103.440%		
26) 1,2-Dichloroethane-d4	4.934	65	114348	25.360	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	101.440%		
32) Benzene-d6	4.953	84	395955	23.775	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	95.080%		
36) 1,2-Dichloropropane-d6	5.982	67	121054	24.165	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	96.640%		
41) Toluene-d8	7.236	98	356640	23.750	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	95.000%		
43) trans-1,3-Dichloroprop...	7.548	79	51939	23.218	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	92.880%		
47) 2-Hexanone-d5	8.030	63	33332	41.684	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	83.360%		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	101745	24.777	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	99.120%		
66) 1,2-Dichlorobenzene-d4	11.554	152	130418	21.775	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	87.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	143115	26.296	ug/L	100
3) Chloromethane	1.211	50	132397	26.875	ug/L	99
5) Vinyl chloride	1.278	62	148439	26.094	ug/L	99
6) Bromomethane	1.484	94	104965	27.435	ug/L	100
8) Chloroethane	1.545	64	94069	26.831	ug/L	99
9) Trichlorofluoromethane	1.709	101	210365	25.893	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	137883	27.057	ug/L	99
12) 1,1-Dichloroethene	2.063	96	126233	27.978	ug/L	89
13) Acetone	2.169	43	77880m	51.057	ug/L	
14) Carbon disulfide	2.233	76	385041	27.048	ug/L	100
15) Methyl Acetate	2.384	43	49372	25.153	ug/L	98
16) Methylene chloride	2.439	84	130394	23.123	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	118088	26.360	ug/L	98
18) Methyl tert-butyl Ether	2.699	73	255981	24.547	ug/L	99
19) 1,1-Dichloroethane	3.101	63	210211	26.392	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	111433	24.732	ug/L	99
22) 2-Butanone	3.915	43	57777m	44.922	ug/L	
23) Bromochloromethane	4.140	128	62539	26.619	ug/L	98
25) Chloroform	4.265	83	229965	27.069	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	148034	26.911	ug/L	98
29) Cyclohexane	4.574	56	143179	22.780	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	191130	26.128	ug/L	99
31) Carbon tetrachloride	4.725	117	170291	26.126	ug/L	99
33) Benzene	5.001	78	464385	26.575	ug/L	100
34) Trichloroethene	5.825	95	134871	24.459	ug/L	99
35) Methylcyclohexane	6.043	83	183505	23.879	ug/L	98
37) 1,2-Dichloropropane	6.085	63	120383	26.975	ug/L	100
38) Bromodichloromethane	6.426	83	163378	26.766	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	169126	24.645	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	119025	47.290	ug/L	97
42) Toluene	7.310	91	493633	27.017	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	157716	25.552	ug/L	100
45) 1,1,2-Trichloroethane	7.763	97	104587	26.514	ug/L	98
46) Tetrachloroethene	7.898	164	101806	25.404	ug/L	97
48) 2-Hexanone	8.079	43	90154	45.538	ug/L	99
49) Dibromochloromethane	8.172	129	116386	26.467	ug/L	97
50) 1,2-Dibromoethane	8.278	107	102008	26.250	ug/L	96
51) Chlorobenzene	8.808	112	312360	25.009	ug/L	100
52) Ethylbenzene	8.940	91	496704	25.190	ug/L	100
53) m,p-Xylene	9.069	106	195942	26.663	ug/L	98
54) o-Xylene	9.474	106	177851	25.735	ug/L	97
55) Styrene	9.490	104	343540	28.364	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	92934	26.324	ug/L	97
59) Bromoform	9.660	173	77186	24.810	ug/L	99
60) Isopropylbenzene	9.863	105	487757	24.551	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	90919	24.513	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	337155	23.713	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	377569	24.437	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	261317	25.242	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	269701	24.304	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	244832	24.773	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	19731	23.712	ug/L	94
69) 1,3,5-Trichlorobenzene	12.577	180	182364	23.395	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	139773	22.485	ug/L	99
71) Naphthalene	13.435	128	223430	20.159	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	139507	23.866	ug/L	99

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

