

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061824\
 Data File : VW036128.D
 Acq On : 18 Jun 2024 18:46
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025290

Quant Time: Jun 19 03:33:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 19 03:24:16 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2024
 Supervised By :Semsettin Yesilyurt 06/24/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	383832	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	398332	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	212748	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	179396	25.422	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 101.680%		
7) Chloroethane-d5	1.526	69	147683	26.246	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 105.000%		
11) 1,1-Dichloroethene-d2	2.047	65	80117	25.503	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	= 102.000%		
21) 2-Butanone-d5	3.825	46	108668	67.117	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 134.240%		
24) Chloroform-d	4.243	84	339018	27.782	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	= 111.120%		
26) 1,2-Dichloroethane-d4	4.937	65	195912	30.621	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	= 122.480%		
32) Benzene-d6	4.953	84	652434	27.555	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	= 110.200%		
36) 1,2-Dichloropropane-d6	5.985	67	209158	28.051	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	= 112.200%		
41) Toluene-d8	7.239	98	592884	28.379	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	= 113.520%		
43) trans-1,3-Dichloroprop...	7.551	79	86211	28.198	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	= 112.800%		
47) 2-Hexanone-d5	8.027	63	77198	76.416	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 152.840%#		
56) 1,1,2,2-Tetrachloroeth...	10.149	84	169089	30.347	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	= 121.400%#		
66) 1,2-Dichlorobenzene-d4	11.558	152	212140	27.191	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	= 108.760%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	146642	21.189	ug/L	99
3) Chloromethane	1.211	50	188528	23.736	ug/L	98
5) Vinyl chloride	1.275	62	198242	23.709	ug/L	100
6) Bromomethane	1.481	94	127613	24.601	ug/L	99
8) Chloroethane	1.542	64	127350	24.503	ug/L	97
9) Trichlorofluoromethane	1.706	101	255706	24.625	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.056	101	155366	23.575	ug/L	100
12) 1,1-Dichloroethene	2.060	96	146622	23.855	ug/L	97
13) Acetone	2.150	43	83758m	33.210	ug/L	
14) Carbon disulfide	2.230	76	501327	23.487	ug/L	99
15) Methyl Acetate	2.384	43	92802	29.603	ug/L	99
16) Methylene chloride	2.439	84	196871	22.667	ug/L	100
17) trans-1,2-Dichloroethene	2.687	96	158111	24.216	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	419550	28.623	ug/L	99
19) 1,1-Dichloroethane	3.104	63	315683	25.389	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	167898	25.591	ug/L	99
22) 2-Butanone	3.899	43	99163	46.338	ug/L	88
23) Bromochloromethane	4.143	128	88468	26.883	ug/L	97
25) Chloroform	4.268	83	332736	26.014	ug/L	100

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27) 1,2-Dichloroethane	5.037	62	228079	28.562	ug/L	99
29) Cyclohexane	4.574	56	210852	22.232	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	258025	23.694	ug/L	98
31) Carbon tetrachloride	4.728	117	223092	23.352	ug/L	100
33) Benzene	5.005	78	673823	25.864	ug/L	100
34) Trichloroethene	5.828	95	200337	25.090	ug/L	99
35) Methylcyclohexane	6.047	83	247457	22.411	ug/L	99
37) 1,2-Dichloropropane	6.088	63	178065	26.030	ug/L	99
38) Bromodichloromethane	6.429	83	239423	26.443	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	258041	25.220	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	234144	62.999	ug/L	98
42) Toluene	7.313	91	698265	26.230	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	235397	26.636	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	155888	27.541	ug/L	99
46) Tetrachloroethene	7.902	164	131408	22.503	ug/L	97
48) 2-Hexanone	8.079	43	172072	59.221	ug/L	98
49) Dibromochloromethane	8.175	129	168470	27.196	ug/L	100
50) 1,2-Dibromoethane	8.281	107	154232	28.398	ug/L	100
51) Chlorobenzene	8.812	112	453248	24.989	ug/L	99
52) Ethylbenzene	8.944	91	718655	25.232	ug/L	99
53) m,p-Xylene	9.072	106	274077	25.610	ug/L	98
54) o-Xylene	9.477	106	260667	25.829	ug/L	100
55) Styrene	9.493	104	494736	27.799	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	138922	27.411	ug/L	100
59) Bromoform	9.664	173	112831	28.122	ug/L	99
60) Isopropylbenzene	9.866	105	674423	24.709	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	148332	29.480	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	487124	24.612	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	551111	25.844	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	348986	24.347	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	359031	24.267	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	341778	25.338	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	35032	31.135	ug/L	99
69) 1,3,5-Trichlorobenzene	12.580	180	240635	22.443	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	197462	23.390	ug/L	100
71) Naphthalene	13.435	128	432807	31.414	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	204575	26.555	ug/L	100

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

