

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053124\
 Data File : VW035940.D
 Acq On : 31 May 2024 19:06
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025388

Quant Time: May 31 23:05:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 22:59:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/03/2024
 Supervised By :Semsettin Yesilyurt 06/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	438930	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	460045	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	261224	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	170343	21.109	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.440%
7) Chloroethane-d5	1.529	69	139612	21.697	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.800%
11) 1,1-Dichloroethene-d2	2.053	65	74786	20.818	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.280%
21) 2-Butanone-d5	3.844	46	82666	44.648	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.300%
24) Chloroform-d	4.243	84	311347	22.311	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.240%
26) 1,2-Dichloroethane-d4	4.940	65	163401	22.333	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.320%
32) Benzene-d6	4.957	84	595517	21.777	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.120%
36) 1,2-Dichloropropane-d6	5.985	67	183594	21.319	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	85.280%
41) Toluene-d8	7.239	98	546259	22.640	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.560%
43) trans-1,3-Dichloroprop...	7.551	79	77184	21.859	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.440%
47) 2-Hexanone-d5	8.030	63	57790	49.531	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.060%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	141870	22.046	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	11.558	152	202767	21.167	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.680%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	171150	21.625	ug/L	99
3) Chloromethane	1.211	50	210504	23.176	ug/L	99
5) Vinyl chloride	1.278	62	216405	22.632	ug/L	99
6) Bromomethane	1.484	94	137977	23.260	ug/L	98
8) Chloroethane	1.545	64	137054	23.060	ug/L	100
9) Trichlorofluoromethane	1.709	101	267333	22.513	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	168098	22.305	ug/L	98
12) 1,1-Dichloroethene	2.063	96	158646	22.571	ug/L	98
13) Acetone	2.153	43	115023m	39.882	ug/L	
14) Carbon disulfide	2.233	76	546590	22.394	ug/L	99
15) Methyl Acetate	2.384	43	85808	23.936	ug/L	98
16) Methylene chloride	2.442	84	231068	23.265	ug/L	100
17) trans-1,2-Dichloroethene	2.690	96	172796	23.143	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	423249	25.251	ug/L	100
19) 1,1-Dichloroethane	3.105	63	337225	23.717	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	175771	23.428	ug/L	99
22) 2-Butanone	3.915	43	116140m	47.458	ug/L	
23) Bromochloromethane	4.143	128	93677	24.892	ug/L	100
25) Chloroform	4.272	83	348661	23.837	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	231918	25.397	ug/L	100
29) Cyclohexane	4.577	56	237744	21.705	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	283761	22.562	ug/L	100
31) Carbon tetrachloride	4.728	117	245196	22.223	ug/L	100
33) Benzene	5.005	78	718236	23.871	ug/L	100
34) Trichloroethene	5.828	95	214944	23.309	ug/L	99
35) Methylcyclohexane	6.047	83	284776	22.331	ug/L	99
37) 1,2-Dichloropropane	6.088	63	191658	24.259	ug/L	99
38) Bromodichloromethane	6.429	83	252793	24.174	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	278458	23.565	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	231117	53.843	ug/L	99
42) Toluene	7.310	91	765837	24.909	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	256121	25.093	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	162242	24.819	ug/L	99
46) Tetrachloroethene	7.902	164	150920	22.377	ug/L	98
48) 2-Hexanone	8.079	43	167088	49.792	ug/L	98
49) Dibromochloromethane	8.172	129	175568	24.540	ug/L	98
50) 1,2-Dibromoethane	8.281	107	158934	25.338	ug/L	98
51) Chlorobenzene	8.812	112	490117	23.397	ug/L	99
52) Ethylbenzene	8.944	91	788964	23.985	ug/L	100
53) m,p-Xylene	9.069	106	304892	24.668	ug/L	100
54) o-Xylene	9.474	106	283816	24.350	ug/L	97
55) Styrene	9.493	104	542592	26.398	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	140451	23.995	ug/L	99
59) Bromoform	9.664	173	117156	23.782	ug/L	100
60) Isopropylbenzene	9.863	105	764495	22.812	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	150358	24.337	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	555402	22.854	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	624692	23.858	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	404828	23.002	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	420632	23.155	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	385630	23.284	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	34786	25.179	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	293315	22.280	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	239588	23.113	ug/L	98
71) Naphthalene	13.435	128	460793	27.239	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	246907	26.102	ug/L	99

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

