

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050924\
 Data File : VW035568.D
 Acq On : 09 May 2024 14:43
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025358

Quant Time: May 10 00:32:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 01:17:39 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/10/2024
 Supervised By :Semsettin Yesilyurt 05/10/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	425585	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	453717	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	265580	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	119799	18.212	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.840%
7) Chloroethane-d5	1.526	69	102370	19.291	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.160%
11) 1,1-Dichloroethene-d2	2.050	65	55874	19.187	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.760%
21) 2-Butanone-d5	3.831	46	93920m	50.312	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.620%
24) Chloroform-d	4.240	84	274985	21.734	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.920%
26) 1,2-Dichloroethane-d4	4.934	65	136794	21.870	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.480%
32) Benzene-d6	4.950	84	490283	19.741	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	78.960%
36) 1,2-Dichloropropane-d6	5.982	67	157433	20.540	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.160%
41) Toluene-d8	7.236	98	442956	20.039	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.160%
43) trans-1,3-Dichloroprop...	7.548	79	67765	20.673	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.680%
47) 2-Hexanone-d5	8.027	63	63259	45.899	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.800%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	166680	22.568	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.280%
66) 1,2-Dichlorobenzene-d4	11.558	152	183192	19.876	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	79.520%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	195261	22.567	ug/L	100
3) Chloromethane	1.211	50	184977	21.293	ug/L	98
5) Vinyl chloride	1.278	62	204293	22.763	ug/L	99
6) Bromomethane	1.484	94	126079	22.186	ug/L	99
8) Chloroethane	1.545	64	131218	23.718	ug/L	98
9) Trichlorofluoromethane	1.709	101	283852	24.231	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	183825	24.871	ug/L	99
12) 1,1-Dichloroethene	2.063	96	158931	23.806	ug/L	98
13) Acetone	2.156	43	128673m	47.087	ug/L	
14) Carbon disulfide	2.233	76	435891	20.614	ug/L	99
15) Methyl Acetate	2.381	43	103361m	24.966	ug/L	
16) Methylene chloride	2.439	84	227369	23.168	ug/L	95
17) trans-1,2-Dichloroethene	2.687	96	178487	24.083	ug/L	97
18) Methyl tert-butyl Ether	2.699	73	470937	26.342	ug/L	99
19) 1,1-Dichloroethane	3.101	63	357078	25.699	ug/L	100
20) cis-1,2-Dichloroethene	3.806	96	195307	24.309	ug/L	99
22) 2-Butanone	3.905	43	127033m	50.058	ug/L	
23) Bromochloromethane	4.137	128	98914	25.454	ug/L	98
25) Chloroform	4.265	83	372038	25.930	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	231432	25.904	ug/L	99
29) Cyclohexane	4.574	56	246538	22.722	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	312322	24.826	ug/L	99
31) Carbon tetrachloride	4.725	117	269836	24.446	ug/L	99
33) Benzene	5.002	78	741041	24.678	ug/L	100
34) Trichloroethene	5.825	95	207245	24.399	ug/L	97
35) Methylcyclohexane	6.043	83	293622	22.769	ug/L	98
37) 1,2-Dichloropropane	6.085	63	201244	25.687	ug/L	100
38) Bromodichloromethane	6.426	83	269978	25.438	ug/L	99
39) cis-1,3-Dichloropropene	6.947	75	306042	24.975	ug/L	99
40) 4-Methyl-2-pentanone	7.156	43	240818	51.325	ug/L	99
42) Toluene	7.310	91	799260	25.151	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	274929	25.648	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	173278	26.030	ug/L	99
46) Tetrachloroethene	7.899	164	161474	23.399	ug/L	98
48) 2-Hexanone	8.075	43	175386	49.854	ug/L	99
49) Dibromochloromethane	8.172	129	192354	25.609	ug/L	98
50) 1,2-Dibromoethane	8.278	107	166707	25.421	ug/L	99
51) Chlorobenzene	8.809	112	536366	24.325	ug/L	99
52) Ethylbenzene	8.940	91	878457	25.037	ug/L	99
53) m,p-Xylene	9.069	106	336244	25.259	ug/L	100
54) o-Xylene	9.474	106	319319	25.310	ug/L	99
55) Styrene	9.490	104	589188	26.775	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	200700	24.751	ug/L	99
59) Bromoform	9.661	173	131004	25.100	ug/L	99
60) Isopropylbenzene	9.863	105	890515	25.172	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	157502	25.308	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	719274	25.918	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	729803	25.590	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	452708	24.384	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	467027	24.299	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	428939	24.544	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	37277	25.827	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	348483	24.020	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	283834	23.429	ug/L	99
71) Naphthalene	13.435	128	480894	22.611	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	260099	23.866	ug/L	99

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

