

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052324\
 Data File : VW035688.D
 Acq On : 23 May 2024 09:02
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025372

Quant Time: May 24 01:38:53 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 23 02:17:29 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/24/2024
 Supervised By :Semsettin Yesilyurt 05/24/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	545886	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	541187	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	297973	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	137133	16.253	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.000%
7) Chloroethane-d5	1.526	69	126458	18.579	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.320%
11) 1,1-Dichloroethene-d2	2.050	65	66035	17.679	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.720%
21) 2-Butanone-d5	3.828	46	124580	52.029	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.060%
24) Chloroform-d	4.239	84	362376	22.329	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.320%
26) 1,2-Dichloroethane-d4	4.934	65	180583	22.508	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.040%
32) Benzene-d6	4.953	84	623121	21.034	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.120%
36) 1,2-Dichloropropane-d6	5.982	67	211626	23.148	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.600%
41) Toluene-d8	7.239	98	554839	21.044	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.160%
43) trans-1,3-Dichloroprop...	7.551	79	87181	22.297	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.200%
47) 2-Hexanone-d5	8.027	63	87614	53.295	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.600%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	214059	24.298	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.200%
66) 1,2-Dichlorobenzene-d4	11.557	152	241574	23.361	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	241658	21.774	ug/L	100
3) Chloromethane	1.211	50	226282	20.307	ug/L	99
5) Vinyl chloride	1.278	62	262695	22.819	ug/L	100
6) Bromomethane	1.484	94	159755	21.917	ug/L	99
8) Chloroethane	1.545	64	167440	23.595	ug/L	97
9) Trichlorofluoromethane	1.706	101	377013	25.091	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	251199	26.497	ug/L	99
12) 1,1-Dichloroethene	2.063	96	210478	24.579	ug/L	96
13) Acetone	2.159	43	141650m	40.413	ug/L	
14) Carbon disulfide	2.230	76	537860	19.830	ug/L	99
15) Methyl Acetate	2.384	43	107131	20.174	ug/L	91
16) Methylene chloride	2.439	84	275083	21.853	ug/L	96
17) trans-1,2-Dichloroethene	2.686	96	227221	23.902	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	614930	26.816	ug/L	99
19) 1,1-Dichloroethane	3.101	63	471933	26.480	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	258360	25.070	ug/L	99
22) 2-Butanone	3.902	43	158565m	48.714	ug/L	
23) Bromochloromethane	4.140	128	126622	25.403	ug/L	95
25) Chloroform	4.265	83	488409	26.539	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	302328	26.381	ug/L	99
29) Cyclohexane	4.574	56	336556	26.006	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	418115	27.864	ug/L	99
31) Carbon tetrachloride	4.725	117	362317	27.519	ug/L	99
33) Benzene	5.002	78	972288	27.145	ug/L	100
34) Trichloroethene	5.825	95	286484	28.276	ug/L	99
35) Methylcyclohexane	6.043	83	400862	26.061	ug/L	98
37) 1,2-Dichloropropane	6.088	63	271899	29.096	ug/L	100
38) Bromodichloromethane	6.426	83	356897	28.193	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	408023	27.916	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	312808	55.892	ug/L	98
42) Toluene	7.310	91	1054534	27.820	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	360822	28.220	ug/L	100
45) 1,1,2-Trichloroethane	7.763	97	222554	28.029	ug/L	99
46) Tetrachloroethene	7.902	164	213326	25.917	ug/L	98
48) 2-Hexanone	8.075	43	235319	56.079	ug/L	97
49) Dibromochloromethane	8.172	129	249902	27.893	ug/L	98
50) 1,2-Dibromoethane	8.278	107	209915	26.836	ug/L	99
51) Chlorobenzene	8.808	112	707105	26.885	ug/L	99
52) Ethylbenzene	8.943	91	1188014	28.387	ug/L	100
53) m,p-Xylene	9.069	106	450801	28.391	ug/L	99
54) o-Xylene	9.474	106	430394	28.600	ug/L	100
55) Styrene	9.490	104	784482	29.888	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	233409	24.132	ug/L	99
59) Bromoform	9.660	173	164514	28.094	ug/L	99
60) Isopropylbenzene	9.863	105	1219074	30.713	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	201308	28.831	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	984907	31.631	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	989416	30.922	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	602436	28.921	ug/L	100
65) 1,4-Dichlorobenzene	11.204	146	616279	28.579	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	564828	28.806	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	45864	28.322	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	468995	28.812	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	395782	29.118	ug/L	99
71) Naphthalene	13.435	128	689351	28.889	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	370277	30.282	ug/L	99

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

