

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061324\
 Data File : VW036048.D
 Acq On : 13 Jun 2024 08:34
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025282

Quant Time: Jun 14 01:06:28 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 13 02:10:50 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/20/2024
 Supervised By :Semsettin Yesilyurt 06/20/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	437970	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	434486	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	238284	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	148385	18.428	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.720%
7) Chloroethane-d5	1.526	69	132606	20.654	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.050	65	71362	19.908	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.640%
21) 2-Butanone-d5	3.844	46	95938m	51.930	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.860%
24) Chloroform-d	4.239	84	317770	22.822	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.280%
26) 1,2-Dichloroethane-d4	4.934	65	163008	22.328	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.320%
32) Benzene-d6	4.950	84	585971	22.688	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	90.760%
36) 1,2-Dichloropropane-d6	5.982	67	189057	23.245	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.000%
41) Toluene-d8	7.236	98	520462	22.839	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.360%
43) trans-1,3-Dichloroprop...	7.548	79	76347	22.894	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.560%
47) 2-Hexanone-d5	8.030	63	58468	53.060	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.120%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	151146	24.869	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.480%
66) 1,2-Dichlorobenzene-d4	11.554	152	195506	22.374	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.480%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	163380	20.689	ug/L	100
3) Chloromethane	1.211	50	205507	22.676	ug/L	99
5) Vinyl chloride	1.278	62	228788	23.979	ug/L	100
6) Bromomethane	1.484	94	138261	23.359	ug/L	100
8) Chloroethane	1.545	64	147921	24.942	ug/L	98
9) Trichlorofluoromethane	1.706	101	300274	25.342	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	195750	26.031	ug/L	99
12) 1,1-Dichloroethene	2.059	96	175371	25.005	ug/L	97
13) Acetone	2.162	43	148212m	51.502	ug/L	
14) Carbon disulfide	2.230	76	546809	22.452	ug/L	100
15) Methyl Acetate	2.384	43	89429	25.001	ug/L	97
16) Methylene chloride	2.439	84	212635	21.456	ug/L	98
17) trans-1,2-Dichloroethene	2.686	96	186134	24.984	ug/L	97
18) Methyl tert-butyl Ether	2.699	73	445684	26.647	ug/L	100
19) 1,1-Dichloroethane	3.101	63	370630	26.123	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	192008	25.649	ug/L	99
22) 2-Butanone	3.918	43	138168m	56.583	ug/L	
23) Bromochloromethane	4.137	128	97025	25.838	ug/L	98
25) Chloroform	4.265	83	379759	26.020	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	242003	26.560	ug/L	100
29) Cyclohexane	4.574	56	277745	26.848	ug/L	99
30) 1,1,1-Trichloroethane	4.500	97	317887	26.762	ug/L	99
31) Carbon tetrachloride	4.725	117	274275	26.321	ug/L	100
33) Benzene	5.002	78	771096	27.135	ug/L	100
34) Trichloroethene	5.825	95	229859	26.392	ug/L	99
35) Methylcyclohexane	6.043	83	320915	26.645	ug/L	98
37) 1,2-Dichloropropane	6.085	63	212062	28.420	ug/L	99
38) Bromodichloromethane	6.426	83	270439	27.383	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	302092	27.069	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	234586	57.866	ug/L	99
42) Toluene	7.310	91	820914	28.271	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	270820	28.094	ug/L	97
45) 1,1,2-Trichloroethane	7.763	97	168784	27.338	ug/L	99
46) Tetrachloroethene	7.899	164	161570	25.365	ug/L	98
48) 2-Hexanone	8.079	43	183535	57.910	ug/L	98
49) Dibromochloromethane	8.172	129	181829	26.910	ug/L	100
50) 1,2-Dibromoethane	8.278	107	158236	26.711	ug/L	98
51) Chlorobenzene	8.808	112	519043	26.235	ug/L	98
52) Ethylbenzene	8.940	91	874681	28.155	ug/L	98
53) m,p-Xylene	9.069	106	331177	28.371	ug/L	98
54) o-Xylene	9.474	106	309113	28.080	ug/L	98
55) Styrene	9.490	104	578596	29.806	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	150759	27.271	ug/L	99
59) Bromoform	9.660	173	117566	26.162	ug/L	100
60) Isopropylbenzene	9.863	105	861846	28.192	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	150634	26.729	ug/L	98
62) 1,3,5-Trimethylbenzene	10.471	105	613174	27.661	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	677944	28.385	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	420336	26.182	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	434615	26.228	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	398636	26.387	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	32921	26.124	ug/L	96
69) 1,3,5-Trichlorobenzene	12.577	180	305985	25.480	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	241028	25.491	ug/L	99
71) Naphthalene	13.435	128	396401	25.689	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	228811	26.518	ug/L	98

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

