

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062024\
 Data File : VW036194.D
 Acq On : 21 Jun 2024 04:17
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025295

Quant Time: Jun 21 05:17:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 20 05:02:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/22/2024
 Supervised By :Semsettin Yesilyurt 06/22/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	397276	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	396255	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	213154	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	133573	18.288	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.160%
7) Chloroethane-d5	1.526	69	118763	20.392	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.560%
11) 1,1-Dichloroethene-d2	2.050	65	62093	19.097	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.400%
21) 2-Butanone-d5	3.831	46	86721	51.749	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.500%
24) Chloroform-d	4.243	84	305064	24.153	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.600%
26) 1,2-Dichloroethane-d4	4.937	65	173534	26.205	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	104.840%
32) Benzene-d6	4.953	84	579929	24.621	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.480%
36) 1,2-Dichloropropane-d6	5.982	67	176024	23.731	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.920%
41) Toluene-d8	7.239	98	533400	25.665	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.680%
43) trans-1,3-Dichloroprop...	7.551	79	77348	25.432	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	101.720%
47) 2-Hexanone-d5	8.030	63	68967	68.626	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.260%#
56) 1,1,2,2-Tetrachloroeth...	10.149	84	154955	27.956	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.840%
66) 1,2-Dichlorobenzene-d4	11.558	152	208596	26.686	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	126370	17.642	ug/L	99
3) Chloromethane	1.211	50	141574	17.222	ug/L	99
5) Vinyl chloride	1.275	62	162416	18.767	ug/L	99
6) Bromomethane	1.481	94	112001	20.861	ug/L	100
8) Chloroethane	1.542	64	109435	20.343	ug/L	98
9) Trichlorofluoromethane	1.706	101	224391	20.878	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	140980	20.668	ug/L	96
12) 1,1-Dichloroethene	2.060	96	136617	21.475	ug/L	92
13) Acetone	2.150	43	63090m	24.169	ug/L	
14) Carbon disulfide	2.233	76	421433	19.076	ug/L	99
15) Methyl Acetate	2.384	43	73209	22.563	ug/L	97
16) Methylene chloride	2.439	84	186436	20.739	ug/L	94
17) trans-1,2-Dichloroethene	2.687	96	151201	22.374	ug/L	94
18) Methyl tert-butyl Ether	2.699	73	427909	28.205	ug/L	98
19) 1,1-Dichloroethane	3.104	63	281231	21.852	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	169449	24.954	ug/L	97
22) 2-Butanone	3.912	43	76802	34.674	ug/L	99
23) Bromochloromethane	4.143	128	89547	26.290	ug/L	89
25) Chloroform	4.268	83	313338	23.669	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	217412	26.305	ug/L	100
29) Cyclohexane	4.577	56	181119	19.197	ug/L	92
30) 1,1,1-Trichloroethane	4.506	97	243244	22.454	ug/L	99
31) Carbon tetrachloride	4.728	117	210715	22.172	ug/L	99
33) Benzene	5.005	78	619631	23.909	ug/L	100
34) Trichloroethene	5.828	95	191776	24.144	ug/L	99
35) Methylcyclohexane	6.047	83	221922	20.204	ug/L	95
37) 1,2-Dichloropropane	6.088	63	159780	23.480	ug/L	98
38) Bromodichloromethane	6.429	83	226502	25.147	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	237630	23.347	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	197744	53.484	ug/L #	93
42) Toluene	7.310	91	666542	25.170	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	222892	25.353	ug/L	97
45) 1,1,2-Trichloroethane	7.767	97	148787	26.425	ug/L	99
46) Tetrachloroethene	7.902	164	124019	21.349	ug/L	97
48) 2-Hexanone	8.079	43	134197	46.428	ug/L #	91
49) Dibromochloromethane	8.172	129	168628	27.364	ug/L	100
50) 1,2-Dibromoethane	8.281	107	151528	28.047	ug/L	98
51) Chlorobenzene	8.812	112	449702	24.923	ug/L	98
52) Ethylbenzene	8.943	91	695766	24.557	ug/L	100
53) m,p-Xylene	9.069	106	269850	25.348	ug/L	99
54) o-Xylene	9.474	106	263957	26.292	ug/L	96
55) Styrene	9.493	104	471235	26.617	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	133390	26.457	ug/L	99
59) Bromoform	9.664	173	112606	28.013	ug/L	98
60) Isopropylbenzene	9.863	105	670744	24.528	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	139307	27.633	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	492506	24.837	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	560571	26.238	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	352435	24.541	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	358552	24.189	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	342353	25.333	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	30814	27.334	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	238380	22.190	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	198865	23.511	ug/L	100
71) Naphthalene	13.435	128	425482	30.824	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	197684	25.612	ug/L	99

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

Manual Integrations

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