

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062724\
 Data File : VW036317.D
 Acq On : 27 Jun 2024 18:51
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025306

Quant Time: Jun 28 02:31:55 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 00:39:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2024
 Supervised By :Semsettin Yesilyurt 07/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	407416	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	409088	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	220360	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	168897	24.410	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.640%
7) Chloroethane-d5	1.526	69	137582	24.895	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.560%
11) 1,1-Dichloroethene-d2	2.050	65	77399	23.795	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.200%
21) 2-Butanone-d5	3.834	46	86840	54.077	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.160%
24) Chloroform-d	4.243	84	320176	26.624	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	106.480%
26) 1,2-Dichloroethane-d4	4.937	65	178372	27.813	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.240%
32) Benzene-d6	4.953	84	624602	27.047	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.200%
36) 1,2-Dichloropropane-d6	5.985	67	184997	26.633	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.520%
41) Toluene-d8	7.239	98	586510	28.169	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	112.680%
43) trans-1,3-Dichloroprop...	7.551	79	87285	28.139	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	112.560%
47) 2-Hexanone-d5	8.030	63	70410	63.502	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.000%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	151953	26.687	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.760%
66) 1,2-Dichlorobenzene-d4	11.558	152	215420	26.826	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	163807	21.161	ug/L	99
3) Chloromethane	1.211	50	165127	23.566	ug/L	100
5) Vinyl chloride	1.275	62	181940	22.486	ug/L	100
6) Bromomethane	1.481	94	130019	23.892	ug/L	100
8) Chloroethane	1.542	64	116127	23.287	ug/L	99
9) Trichlorofluoromethane	1.706	101	243840	21.102	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	149699	20.653	ug/L	99
12) 1,1-Dichloroethene	2.060	96	145350	22.649	ug/L	96
13) Acetone	2.150	43	102232m	47.121	ug/L	
14) Carbon disulfide	2.230	76	468245	23.126	ug/L	100
15) Methyl Acetate	2.388	43	74700	26.757	ug/L	98
16) Methylene chloride	2.439	84	218576	27.251	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	155169	24.353	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	396158	26.709	ug/L	99
19) 1,1-Dichloroethane	3.105	63	276061	24.368	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	165055	25.756	ug/L	99
22) 2-Butanone	3.915	43	90555	49.501	ug/L	79
23) Bromochloromethane	4.143	128	87448	26.169	ug/L	94
25) Chloroform	4.269	83	305264	25.263	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	203884	26.058	ug/L	99
29) Cyclohexane	4.574	56	187965	21.567	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	246515	24.303	ug/L	99
31) Carbon tetrachloride	4.728	117	216054	23.906	ug/L	98
33) Benzene	5.005	78	619691	25.575	ug/L	100
34) Trichloroethene	5.828	95	196471	25.696	ug/L	97
35) Methylcyclohexane	6.047	83	237042	22.246	ug/L	99
37) 1,2-Dichloropropane	6.088	63	155319	25.099	ug/L	98
38) Bromodichloromethane	6.429	83	218990	25.874	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	253438	26.634	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	198731	56.944	ug/L	99
42) Toluene	7.310	91	666235	26.297	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	230917	26.981	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	142724	26.094	ug/L	100
46) Tetrachloroethene	7.902	164	134250	24.159	ug/L	98
48) 2-Hexanone	8.079	43	152868	55.687	ug/L	97
49) Dibromochloromethane	8.172	129	163866	26.875	ug/L	99
50) 1,2-Dibromoethane	8.281	107	148619	27.582	ug/L	98
51) Chlorobenzene	8.812	112	444584	25.671	ug/L	99
52) Ethylbenzene	8.944	91	705999	25.822	ug/L	100
53) m,p-Xylene	9.069	106	278213	27.303	ug/L	99
54) o-Xylene	9.474	106	259733	27.105	ug/L	99
55) Styrene	9.493	104	476594	28.379	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	122148	24.952	ug/L	100
59) Bromoform	9.664	173	112008	26.852	ug/L	99
60) Isopropylbenzene	9.863	105	694358	26.067	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	133270	26.799	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	512325	26.875	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	565882	27.317	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	364762	26.279	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	371382	24.961	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	345066	26.041	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	31784	28.489	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	269197	25.757	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	232506	27.897	ug/L	99
71) Naphthalene	13.435	128	455199	30.632	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	227919	29.081	ug/L	99

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

