

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062724\
 Data File : VW036302.D
 Acq On : 27 Jun 2024 10:34
 Operator : SY/MD
 Sample : VSTDICV025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV201

Quant Time: Jun 28 00:44:47 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	5.532	114	365223	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	368429	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	194839	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	160135	25.817	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.280%
7) Chloroethane-d5	1.529	69	125344	25.300	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.200%
11) 1,1-Dichloroethene-d2	2.050	65	71816	24.629	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.520%
21) 2-Butanone-d5	3.841	46	74589m	51.814	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.620%
24) Chloroform-d	4.243	84	264183	24.506	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.040%
26) 1,2-Dichloroethane-d4	4.937	65	141711	24.649	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.600%
32) Benzene-d6	4.953	84	523422	25.167	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.680%
36) 1,2-Dichloropropane-d6	5.985	67	155133	24.798	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.200%
41) Toluene-d8	7.239	98	487322	25.988	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.960%
43) trans-1,3-Dichloroprop...	7.551	79	70168	25.118	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.480%
47) 2-Hexanone-d5	8.030	63	50517	50.589	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.180%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	118603	23.129	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.520%
66) 1,2-Dichlorobenzene-d4	11.557	152	166760	23.487	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	156527	22.557	ug/L	97
3) Chloromethane	1.211	50	150507	23.961	ug/L	98
5) Vinyl chloride	1.278	62	168073	23.172	ug/L	99
6) Bromomethane	1.484	94	114997	23.573	ug/L	99
8) Chloroethane	1.545	64	102623	22.957	ug/L	99
9) Trichlorofluoromethane	1.709	101	231039	22.304	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	145956	22.463	ug/L	99
12) 1,1-Dichloroethene	2.063	96	131883	22.925	ug/L	96
13) Acetone	2.150	43	99662m	51.243	ug/L	
14) Carbon disulfide	2.233	76	419052	23.088	ug/L	99
15) Methyl Acetate	2.384	43	54106	21.619	ug/L	99
16) Methylene chloride	2.442	84	171571	23.862	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	129369	22.649	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	299938	22.558	ug/L	99
19) 1,1-Dichloroethane	3.104	63	233113	22.954	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	131738	22.932	ug/L	99
22) 2-Butanone	3.911	43	86028m	52.459	ug/L	
23) Bromochloromethane	4.143	128	67174	22.425	ug/L	97
25) Chloroform	4.272	83	246458	22.753	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	161338	23.003	ug/L	98
29) Cyclohexane	4.577	56	180941	23.052	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	208999	22.878	ug/L	99
31) Carbon tetrachloride	4.728	117	186621	22.928	ug/L	98
33) Benzene	5.005	78	512050	23.465	ug/L	100
34) Trichloroethene	5.828	95	158490	23.016	ug/L	99
35) Methylcyclohexane	6.046	83	224935	23.439	ug/L	99
37) 1,2-Dichloropropane	6.088	63	127649	22.904	ug/L	99
38) Bromodichloromethane	6.429	83	174488	22.891	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	189329	22.092	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	147069	46.791	ug/L	98
42) Toluene	7.310	91	550119	24.110	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	183514	23.808	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	109015	22.130	ug/L	98
46) Tetrachloroethene	7.902	164	114718	22.923	ug/L	98
48) 2-Hexanone	8.079	43	120988	48.938	ug/L	99
49) Dibromochloromethane	8.172	129	122417	22.293	ug/L	98
50) 1,2-Dibromoethane	8.281	107	110658	22.803	ug/L	100
51) Chlorobenzene	8.812	112	354444	22.725	ug/L	99
52) Ethylbenzene	8.943	91	586536	23.820	ug/L	98
53) m,p-Xylene	9.069	106	225032	24.521	ug/L	98
54) o-Xylene	9.477	106	208412	24.150	ug/L	99
55) Styrene	9.493	104	379349	25.081	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	93881	21.294	ug/L	100
59) Bromoform	9.664	173	81381	22.065	ug/L	99
60) Isopropylbenzene	9.863	105	571309	24.257	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	97891	22.263	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	410775	24.371	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	453262	24.746	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	287138	23.397	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	294398	22.379	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	266439	22.741	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	22898	23.212	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	209669	22.689	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	173922	23.601	ug/L	99
71) Naphthalene	13.435	128	314769	23.956	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	167559	24.180	ug/L	99

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

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