

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070524\
 Data File : VV036462.D
 Acq On : 05 Jul 2024 13:58
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025318

Quant Time: Jul 06 01:40:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 06 01:35:25 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/08/2024
 Supervised By :Semsettin Yesilyurt 07/08/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	309009	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	326124	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	196571	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	80302	15.302	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	61.200%
7) Chloroethane-d5	1.526	69	71873	17.147	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	68.600%
11) 1,1-Dichloroethene-d2	2.050	65	39191	15.886	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.560%
21) 2-Butanone-d5	3.831	46	49645	40.760	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.520%
24) Chloroform-d	4.243	84	189478	20.773	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.080%
26) 1,2-Dichloroethane-d4	4.937	65	99566	20.469	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.880%
32) Benzene-d6	4.953	84	318791	17.316	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	69.280%
36) 1,2-Dichloropropane-d6	5.985	67	99705	18.005	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	72.040%
41) Toluene-d8	7.239	98	295013	17.773	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.080%
43) trans-1,3-Dichloroprop...	7.551	79	44576	18.026	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	72.120%
47) 2-Hexanone-d5	8.030	63	31866	36.051	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	72.100%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	100709	22.187	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.760%
66) 1,2-Dichlorobenzene-d4	11.557	152	131837	18.404	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	73.600%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	144054	24.536	ug/L	99
3) Chloromethane	1.211	50	117811	22.168	ug/L	100
5) Vinyl chloride	1.275	62	141039	22.982	ug/L	100
6) Bromomethane	1.481	94	105150	25.476	ug/L	100
8) Chloroethane	1.542	64	90975	24.053	ug/L	98
9) Trichlorofluoromethane	1.706	101	234339	26.738	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	148006	26.922	ug/L	96
12) 1,1-Dichloroethene	2.059	96	129451	26.596	ug/L	78
13) Acetone	2.150	43	77965m	47.380	ug/L	
14) Carbon disulfide	2.230	76	344102	22.407	ug/L	99
15) Methyl Acetate	2.384	43	50482	23.840	ug/L	98
16) Methylene chloride	2.439	84	166410	27.354	ug/L	95
17) trans-1,2-Dichloroethene	2.686	96	120641	24.964	ug/L	95
18) Methyl tert-butyl Ether	2.703	73	277907	24.704	ug/L	99
19) 1,1-Dichloroethane	3.104	63	216709	25.221	ug/L	98
20) cis-1,2-Dichloroethene	3.809	96	121262	24.948	ug/L	94
22) 2-Butanone	3.905	43	70841m	51.056	ug/L	
23) Bromochloromethane	4.140	128	70863	27.960	ug/L #	90
25) Chloroform	4.268	83	246468	26.893	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	156139	26.311	ug/L	99
29) Cyclohexane	4.574	56	144268	20.764	ug/L	95
30) 1,1,1-Trichloroethane	4.503	97	209610	25.922	ug/L	98
31) Carbon tetrachloride	4.728	117	189811	26.345	ug/L	100
33) Benzene	5.005	78	480920	24.897	ug/L	100
34) Trichloroethene	5.828	95	147867	24.259	ug/L	94
35) Methylcyclohexane	6.046	83	194815	22.934	ug/L	97
37) 1,2-Dichloropropane	6.088	63	125212m	25.382	ug/L	
38) Bromodichloromethane	6.429	83	178796	26.499	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	182328	24.035	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	132078	47.473	ug/L	98
42) Toluene	7.310	91	532417	26.361	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	171578	25.147	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	116585	26.737	ug/L	99
46) Tetrachloroethene	7.902	164	117813	26.595	ug/L	96
48) 2-Hexanone	8.079	43	101006	46.155	ug/L	99
49) Dibromochloromethane	8.172	129	136291	28.039	ug/L	98
50) 1,2-Dibromoethane	8.281	107	115595	26.910	ug/L	100
51) Chlorobenzene	8.812	112	352640	25.542	ug/L	97
52) Ethylbenzene	8.943	91	552221	25.336	ug/L	99
53) m,p-Xylene	9.069	106	219341	27.001	ug/L	97
54) o-Xylene	9.477	106	203618	26.655	ug/L	93
55) Styrene	9.493	104	385954	28.828	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	103176	26.438	ug/L	99
59) Bromoform	9.664	173	93763	25.198	ug/L	99
60) Isopropylbenzene	9.863	105	556407	23.416	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	97997	22.091	ug/L	96
62) 1,3,5-Trimethylbenzene	10.474	105	391339	23.013	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	438609	23.735	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	300092	24.237	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	312645	23.556	ug/L	97
67) 1,2-Dichlorobenzene	11.574	146	287740	24.342	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	22393	22.500	ug/L	94
69) 1,3,5-Trichlorobenzene	12.580	180	221535	23.762	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	174205	23.431	ug/L	99
71) Naphthalene	13.435	128	285515	21.538	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	175164	25.055	ug/L	98

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

