

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV070824\
 Data File : VV036464.D
 Acq On : 08 Jul 2024 10:59
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025319

Quant Time: Jul 09 00:46:18 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 07/09/2024
 Supervised By :Semsettin Yesilyurt 07/12/2024

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

Internal Standards							
1) 1,4-Difluorobenzene		5.529	114	277722	25.000	ug/L	0.00
28) Chlorobenzene-d5		8.780	117	295695	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4		11.181	152	179292	25.000	ug/L	0.00
System Monitoring Compounds							
4) Vinyl Chloride-d3		1.272	65	135904	28.814	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	115.240%	
7) Chloroethane-d5		1.526	69	109530	29.074	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	116.280%	
11) 1,1-Dichloroethene-d2		2.050	65	62904	28.370	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	113.480%#	
21) 2-Butanone-d5		3.834	46	47791m	43.658	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.320%	
24) Chloroform-d		4.240	84	239324	29.194	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	116.760%	
26) 1,2-Dichloroethane-d4		4.934	65	122360	27.989	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	111.960%	
32) Benzene-d6		4.950	84	454082	27.204	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.800%	
36) 1,2-Dichloropropane-d6		5.982	67	132867	26.463	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.840%	
41) Toluene-d8		7.236	98	431794	28.691	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	114.760%	
43) trans-1,3-Dichloroprop...		7.551	79	58075	25.902	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.600%	
47) 2-Hexanone-d5		8.027	63	31945	39.859	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.720%	
56) 1,1,2,2-Tetrachloroeth...		10.149	84	100858	24.506	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.040%	
66) 1,2-Dichlorobenzene-d4		11.558	152	161527	24.722	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.880%	
Target Compounds							
						Qvalue	
2) Dichlorodifluoromethane		1.101	85	104084	19.725	ug/L	99
3) Chloromethane		1.211	50	85015	17.799	ug/L	97
5) Vinyl chloride		1.275	62	105294	19.091	ug/L	100
6) Bromomethane		1.481	94	81797	22.051	ug/L	99
8) Chloroethane		1.542	64	71911	21.155	ug/L	100
9) Trichlorofluoromethane		1.706	101	182190	23.129	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...		2.060	101	122432	24.779	ug/L	96
12) 1,1-Dichloroethene		2.060	96	103956	23.764	ug/L	91
13) Acetone		2.156	43	65007m	43.956	ug/L	
14) Carbon disulfide		2.230	76	217733	15.776	ug/L	99
15) Methyl Acetate		2.384	43	41046	21.568	ug/L	91
16) Methylene chloride		2.439	84	123523	22.592	ug/L	94
17) trans-1,2-Dichloroethene		2.687	96	97770	22.510	ug/L	95
18) Methyl tert-butyl Ether		2.699	73	239671	23.705	ug/L	99
19) 1,1-Dichloroethane		3.105	63	186706	24.177	ug/L	99
20) cis-1,2-Dichloroethene		3.805	96	107710	24.656	ug/L	94
22) 2-Butanone		3.905	43	55865m	44.799	ug/L	
23) Bromochloromethane		4.140	128	59854	26.276	ug/L	90
25) Chloroform		4.269	83	218769	26.560	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	129933	24.362	ug/L	97
29) Cyclohexane	4.574	56	104442	16.579	ug/L	95
30) 1,1,1-Trichloroethane	4.503	97	179584	24.494	ug/L	98
31) Carbon tetrachloride	4.725	117	156179	23.907	ug/L	99
33) Benzene	5.002	78	405006	23.125	ug/L	100
34) Trichloroethene	5.828	95	126552	22.898	ug/L	95
35) Methylcyclohexane	6.043	83	144117	18.711	ug/L	97
37) 1,2-Dichloropropane	6.088	63	106953	23.911	ug/L #	97
38) Bromodichloromethane	6.426	83	155019	25.340	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	164115	23.861	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	103672	41.097	ug/L	99
42) Toluene	7.310	91	449864	24.566	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	148906	24.070	ug/L	99
45) 1,1,2-Trichloroethane	7.764	97	99141	25.077	ug/L	98
46) Tetrachloroethene	7.899	164	97506	24.276	ug/L	97
48) 2-Hexanone	8.079	43	78786	39.706	ug/L	97
49) Dibromochloromethane	8.172	129	115714	26.255	ug/L	100
50) 1,2-Dibromoethane	8.281	107	95174	24.436	ug/L	100
51) Chlorobenzene	8.809	112	309439	24.719	ug/L	97
52) Ethylbenzene	8.944	91	470195	23.792	ug/L	99
53) m,p-Xylene	9.069	106	185918	25.242	ug/L	98
54) o-Xylene	9.474	106	176628	25.501	ug/L	95
55) Styrene	9.493	104	331240	27.287	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	85368	24.126	ug/L	99
59) Bromoform	9.661	173	77501	22.835	ug/L	99
60) Isopropylbenzene	9.863	105	480017	22.148	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	80559	19.910	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	341869	22.041	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	383711	22.766	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	269351	23.850	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	281520	23.255	ug/L	97
67) 1,2-Dichlorobenzene	11.577	146	256801	23.819	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	18415	20.286	ug/L	91
69) 1,3,5-Trichlorobenzene	12.580	180	199887	23.506	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	161863	23.869	ug/L	100
71) Naphthalene	13.435	128	266662	22.055	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	160015	25.094	ug/L	99

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

