

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070224\
 Data File : VW036410.D
 Acq On : 02 Jul 2024 10:24
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025313

Quant Time: Jul 03 05:02:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 02 05:19:46 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/05/2024
 Supervised By :Semsettin Yesilyurt 07/05/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	379153	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	373672	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	195853	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	137003	21.276	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.120%
7) Chloroethane-d5	1.529	69	112683	21.909	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.640%
11) 1,1-Dichloroethene-d2	2.050	65	62213	20.552	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	82.200%
21) 2-Butanone-d5	3.841	46	65891m	44.090	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.180%
24) Chloroform-d	4.240	84	255437	22.824	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.280%
26) 1,2-Dichloroethane-d4	4.937	65	133714	22.404	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.600%
32) Benzene-d6	4.953	84	485324	23.008	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.040%
36) 1,2-Dichloropropane-d6	5.982	67	146674	23.117	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.480%
41) Toluene-d8	7.236	98	443752	23.332	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.320%
43) trans-1,3-Dichloroprop...	7.551	79	63745	22.498	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.000%
47) 2-Hexanone-d5	8.030	63	43197	42.651	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.300%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	111303	21.400	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.600%
66) 1,2-Dichlorobenzene-d4	11.558	152	159160	22.300	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	144254	20.025	ug/L	99
3) Chloromethane	1.211	50	136794	20.978	ug/L	99
5) Vinyl chloride	1.278	62	153670	20.408	ug/L	100
6) Bromomethane	1.484	94	105487	20.829	ug/L	100
8) Chloroethane	1.545	64	95283	20.532	ug/L	99
9) Trichlorofluoromethane	1.709	101	214446	19.941	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	135512	20.089	ug/L	99
12) 1,1-Dichloroethene	2.063	96	122628	20.533	ug/L	97
13) Acetone	2.153	43	87534m	43.354	ug/L	
14) Carbon disulfide	2.233	76	380792	20.209	ug/L	100
15) Methyl Acetate	2.388	43	49313	18.980	ug/L	93
16) Methylene chloride	2.439	84	139729	18.719	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	124712	21.032	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	273716	19.830	ug/L	99
19) 1,1-Dichloroethane	3.105	63	220886	20.951	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	125223	20.997	ug/L	99
22) 2-Butanone	3.908	43	78506m	46.113	ug/L	
23) Bromochloromethane	4.140	128	63703	20.485	ug/L	98
25) Chloroform	4.269	83	236397	21.022	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	147042	20.194	ug/L	99
29) Cyclohexane	4.574	56	166213	20.879	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	202258	21.830	ug/L	100
31) Carbon tetrachloride	4.725	117	179168	21.703	ug/L	99
33) Benzene	5.002	78	486105	21.964	ug/L	100
34) Trichloroethene	5.825	95	147907	21.178	ug/L	96
35) Methylcyclohexane	6.043	83	207825	21.352	ug/L	100
37) 1,2-Dichloropropane	6.088	63	119255	21.098	ug/L	98
38) Bromodichloromethane	6.429	83	165871	21.456	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	188653	21.705	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	122228	38.342	ug/L	99
42) Toluene	7.310	91	526200	22.738	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	163629	20.931	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	103686	20.753	ug/L	98
46) Tetrachloroethene	7.899	164	110385	21.747	ug/L	98
48) 2-Hexanone	8.079	43	97012	38.689	ug/L	98
49) Dibromochloromethane	8.172	129	115882	20.807	ug/L	100
50) 1,2-Dibromoethane	8.278	107	100750	20.470	ug/L	95
51) Chlorobenzene	8.809	112	342038	21.622	ug/L	98
52) Ethylbenzene	8.944	91	552068	22.106	ug/L	99
53) m,p-Xylene	9.069	106	212382	22.818	ug/L	99
54) o-Xylene	9.474	106	198885	22.722	ug/L	99
55) Styrene	9.490	104	363225	23.678	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	88436	19.778	ug/L	97
59) Bromoform	9.661	173	75739	20.429	ug/L	99
60) Isopropylbenzene	9.863	105	549229	23.199	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	88182	19.951	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	384514	22.694	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	423179	22.984	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	273690	22.185	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	283734	21.456	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	252068	21.403	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	20106	20.276	ug/L	93
69) 1,3,5-Trichlorobenzene	12.577	180	199814	21.510	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	158046	21.335	ug/L	98
71) Naphthalene	13.435	128	282384	21.380	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	154226	22.141	ug/L	99

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

