

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW053024\
 Data File : VW035886.D
 Acq On : 30 May 2024 11:29
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025385

Quant Time: May 31 00:41:56 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 00:31:35 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/03/2024
 Supervised By :Semsettin Yesilyurt 06/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	541428	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	536310	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	293224	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	206161	20.711	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.840%
7) Chloroethane-d5	1.532	69	161133	20.301	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.200%
11) 1,1-Dichloroethene-d2	2.056	65	88491	19.969	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.880%
21) 2-Butanone-d5	3.854	46	101672m	44.518	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.040%
24) Chloroform-d	4.246	84	345244	20.057	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	80.240%
26) 1,2-Dichloroethane-d4	4.940	65	179729	19.915	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.640%
32) Benzene-d6	4.957	84	694597	21.788	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.160%
36) 1,2-Dichloropropane-d6	5.985	67	210987	21.016	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.080%
41) Toluene-d8	7.239	98	631702	22.458	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.840%
43) trans-1,3-Dichloroprop...	7.551	79	90223	21.918	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.680%
47) 2-Hexanone-d5	8.034	63	64990	47.781	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.560%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	145902	19.449	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	77.800%
66) 1,2-Dichlorobenzene-d4	11.558	152	229470	21.340	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.360%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	213096	21.828	ug/L	100
3) Chloromethane	1.214	50	244605	21.833	ug/L	100
5) Vinyl chloride	1.281	62	260401	22.078	ug/L	99
6) Bromomethane	1.487	94	159958	21.861	ug/L	99
8) Chloroethane	1.548	64	157340	21.461	ug/L	98
9) Trichlorofluoromethane	1.712	101	320839	21.904	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.066	101	201955	21.725	ug/L	99
12) 1,1-Dichloroethene	2.066	96	187503	21.626	ug/L	98
13) Acetone	2.156	43	161595m	45.423	ug/L	
14) Carbon disulfide	2.236	76	653618	21.709	ug/L	100
15) Methyl Acetate	2.391	43	97832	22.124	ug/L	98
16) Methylene chloride	2.445	84	233568	19.065	ug/L	99
17) trans-1,2-Dichloroethene	2.690	96	204490	22.203	ug/L	98
18) Methyl tert-butyl Ether	2.706	73	487346	23.570	ug/L	99
19) 1,1-Dichloroethane	3.108	63	382190	21.790	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	214147	23.140	ug/L	100
22) 2-Butanone	3.918	43	156266m	51.766	ug/L	
23) Bromochloromethane	4.146	128	103761	22.352	ug/L	99
25) Chloroform	4.272	83	390757	21.658	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	249174	22.121	ug/L	100
29) Cyclohexane	4.580	56	326919	25.602	ug/L	99
30) 1,1,1-Trichloroethane	4.506	97	330201	22.521	ug/L	99
31) Carbon tetrachloride	4.731	117	291318	22.648	ug/L	100
33) Benzene	5.005	78	828878	23.631	ug/L	100
34) Trichloroethene	5.828	95	254795	23.701	ug/L	98
35) Methylcyclohexane	6.046	83	373366	25.114	ug/L	100
37) 1,2-Dichloropropane	6.088	63	222168	24.122	ug/L	99
38) Bromodichloromethane	6.429	83	277189	22.738	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	336236	24.408	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	253919	50.743	ug/L	99
42) Toluene	7.310	91	892364	24.897	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	294915	24.785	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	174486	22.896	ug/L	100
46) Tetrachloroethene	7.902	164	180496	22.957	ug/L	98
48) 2-Hexanone	8.079	43	206903	52.889	ug/L	98
49) Dibromochloromethane	8.175	129	193618	23.214	ug/L	99
50) 1,2-Dibromoethane	8.278	107	172913	23.647	ug/L	98
51) Chlorobenzene	8.812	112	575376	23.561	ug/L	100
52) Ethylbenzene	8.943	91	974145	25.403	ug/L	99
53) m,p-Xylene	9.069	106	373735	25.938	ug/L	100
54) o-Xylene	9.474	106	345682	25.440	ug/L	100
55) Styrene	9.493	104	622954	25.998	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	145940	21.387	ug/L	99
59) Bromoform	9.664	173	125879	22.764	ug/L	99
60) Isopropylbenzene	9.863	105	959841	25.515	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	161916	23.348	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	707817	25.948	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	780320	26.550	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	478923	24.242	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	488600	23.961	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	445515	23.964	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	37896	24.437	ug/L	96
69) 1,3,5-Trichlorobenzene	12.580	180	366017	24.768	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	310538	26.689	ug/L	100
71) Naphthalene	13.435	128	570332	30.035	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	290703	27.378	ug/L	99

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

