

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061424\
 Data File : VW036092.D
 Acq On : 14 Jun 2024 16:08
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025286

Quant Time: Jun 15 02:05:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 15 01:30:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/18/2024
 Supervised By :Semsettin Yesilyurt 06/18/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	343560	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	338036	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	174813	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	115806	18.334	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.320%
7) Chloroethane-d5	1.529	69	102616	20.375	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.480%
11) 1,1-Dichloroethene-d2	2.053	65	55044	19.575	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.320%
21) 2-Butanone-d5	3.818	46	77465	53.454	ug/L	-0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.900%
24) Chloroform-d	4.246	84	241704	22.129	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.520%
26) 1,2-Dichloroethane-d4	4.941	65	116836	20.402	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	81.600%
32) Benzene-d6	4.957	84	440337	21.914	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.640%
36) 1,2-Dichloropropane-d6	5.986	67	139926	22.113	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.440%
41) Toluene-d8	7.240	98	386296	21.789	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	87.160%
43) trans-1,3-Dichloroprop...	7.551	79	51776	19.956	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	79.840%
47) 2-Hexanone-d5	8.031	63	46246	53.943	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.880%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	112486	23.789	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.160%
66) 1,2-Dichlorobenzene-d4	11.558	152	135159	21.084	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	129436	20.895	ug/L	99
3) Chloromethane	1.211	50	163022	22.931	ug/L	99
5) Vinyl chloride	1.278	62	189245	25.286	ug/L	99
6) Bromomethane	1.484	94	112426	24.214	ug/L	99
8) Chloroethane	1.545	64	123095	26.460	ug/L	99
9) Trichlorofluoromethane	1.706	101	258360	27.797	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	168118	28.501	ug/L	99
12) 1,1-Dichloroethene	2.063	96	143951	26.165	ug/L	94
13) Acetone	2.137	43	80341m	35.590	ug/L	
14) Carbon disulfide	2.233	76	428565	22.432	ug/L	99
15) Methyl Acetate	2.381	43	78491	27.973	ug/L	95
16) Methylene chloride	2.442	84	164406	21.148	ug/L	97
17) trans-1,2-Dichloroethene	2.690	96	147518	25.242	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	331073	25.234	ug/L	99
19) 1,1-Dichloroethane	3.105	63	298914	26.858	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	150688	25.661	ug/L	99
22) 2-Butanone	3.899	43	76776	40.082	ug/L	98
23) Bromochloromethane	4.143	128	74698	25.359	ug/L	97
25) Chloroform	4.272	83	302605	26.432	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	184954	25.877	ug/L	98
29) Cyclohexane	4.577	56	220230	27.363	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	265091	28.685	ug/L	99
31) Carbon tetrachloride	4.728	117	230849	28.474	ug/L	99
33) Benzene	5.005	78	621004	28.089	ug/L	100
34) Trichloroethene	5.828	95	190179	28.067	ug/L	97
35) Methylcyclohexane	6.047	83	261710	27.929	ug/L	99
37) 1,2-Dichloropropane	6.092	63	164352	28.311	ug/L	100
38) Bromodichloromethane	6.429	83	207346	26.985	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	216356	24.918	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	182876	57.982	ug/L	98
42) Toluene	7.313	91	648622	28.711	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	194480	25.931	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	128347	26.720	ug/L	97
46) Tetrachloroethene	7.902	164	130408	26.315	ug/L	98
48) 2-Hexanone	8.079	43	134796	54.667	ug/L	99
49) Dibromochloromethane	8.175	129	137782	26.209	ug/L	99
50) 1,2-Dibromoethane	8.281	107	122420	26.561	ug/L	99
51) Chlorobenzene	8.812	112	408432	26.535	ug/L	99
52) Ethylbenzene	8.944	91	684901	28.337	ug/L	99
53) m,p-Xylene	9.072	106	257196	28.320	ug/L	97
54) o-Xylene	9.477	106	233128	27.220	ug/L	98
55) Styrene	9.493	104	438850	29.057	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	114552	26.634	ug/L	98
59) Bromoform	9.664	173	90335	27.401	ug/L	99
60) Isopropylbenzene	9.866	105	686181	30.596	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	119722	28.957	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	463321	28.489	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	502228	28.662	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	316884	26.905	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	325622	26.785	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	294765	26.595	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.362	75	27908	30.186	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	218286	24.777	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	172836	24.916	ug/L	100
71) Naphthalene	13.435	128	333789	29.485	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	171422	27.080	ug/L	98

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

