

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061224\
 Data File : VW036046.D
 Acq On : 12 Jun 2024 19:19
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025281

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/14/2024
 Supervised By :Mahesh Dadoda 06/14/2024

Quant Time: Jun 13 02:12:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 13 02:10:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	347302	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	345998	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	183386	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	116830	18.297	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	73.200%
7) Chloroethane-d5	1.526	69	104337	20.493	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.960%
11) 1,1-Dichloroethene-d2	2.050	65	55939	19.679	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.720%
21) 2-Butanone-d5	3.844	46	73886m	50.435	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.860%
24) Chloroform-d	4.243	84	249488	22.595	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.400%
26) 1,2-Dichloroethane-d4	4.941	65	125010	21.594	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.360%
32) Benzene-d6	4.953	84	451110	21.934	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.720%
36) 1,2-Dichloropropane-d6	5.986	67	143414	22.143	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.560%
41) Toluene-d8	7.240	98	400111	22.048	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.200%
43) trans-1,3-Dichloroprop...	7.551	79	56092	21.122	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.480%
47) 2-Hexanone-d5	8.031	63	46228	52.681	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.360%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	118429	24.470	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.880%
66) 1,2-Dichlorobenzene-d4	11.558	152	143179	21.291	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	125446	20.032	ug/L	98
3) Chloromethane	1.211	50	166525	23.171	ug/L	99
5) Vinyl chloride	1.275	62	181901	24.042	ug/L	99
6) Bromomethane	1.481	94	110411	23.524	ug/L	98
8) Chloroethane	1.542	64	119231	25.353	ug/L	99
9) Trichlorofluoromethane	1.706	101	234548	24.963	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	144773	24.279	ug/L	99
12) 1,1-Dichloroethene	2.063	96	138592	24.920	ug/L	91
13) Acetone	2.153	43	88152	38.629	ug/L	95
14) Carbon disulfide	2.230	76	429691	22.249	ug/L	99
15) Methyl Acetate	2.384	43	76128	26.839	ug/L	100
16) Methylene chloride	2.439	84	208209	26.494	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	143891	24.356	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	334437	25.216	ug/L	99
19) 1,1-Dichloroethane	3.105	63	292351	25.985	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	144862	24.403	ug/L	97
22) 2-Butanone	3.915	43	85505	44.158	ug/L	93
23) Bromochloromethane	4.143	128	75513	25.360	ug/L	96
25) Chloroform	4.269	83	299877	25.911	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	189565	26.236	ug/L	100
29) Cyclohexane	4.577	56	185867	22.562	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	250305	26.462	ug/L	100
31) Carbon tetrachloride	4.728	117	213763	25.760	ug/L	99
33) Benzene	5.005	78	603281	26.659	ug/L	100
34) Trichloroethene	5.828	95	176099	25.391	ug/L	98
35) Methylcyclohexane	6.047	83	214021	22.314	ug/L	98
37) 1,2-Dichloropropane	6.088	63	163548	27.524	ug/L	100
38) Bromodichloromethane	6.429	83	208737	26.541	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	212063	23.861	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	178999	55.447	ug/L	99
42) Toluene	7.310	91	619485	26.791	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	197235	25.694	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	130812	26.607	ug/L	100
46) Tetrachloroethene	7.902	164	116600	22.987	ug/L	99
48) 2-Hexanone	8.079	43	131531	52.116	ug/L	99
49) Dibromochloromethane	8.172	129	140183	26.052	ug/L	99
50) 1,2-Dibromoethane	8.281	107	121787	25.816	ug/L	99
51) Chlorobenzene	8.812	112	385241	24.452	ug/L	100
52) Ethylbenzene	8.944	91	612092	24.742	ug/L	99
53) m,p-Xylene	9.069	106	233818	25.153	ug/L	100
54) o-Xylene	9.477	106	216068	24.648	ug/L	99
55) Styrene	9.493	104	410736	26.570	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	119250	27.088	ug/L	100
59) Bromoform	9.664	173	91647	26.500	ug/L	98
60) Isopropylbenzene	9.863	105	574957	24.438	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	119662	27.590	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	386015	22.626	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	425186	23.131	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	288998	23.390	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	297498	23.328	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	273811	23.550	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	26605	27.432	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	190307	20.591	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	148295	20.378	ug/L	99
71) Naphthalene	13.435	128	260125	21.904	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	147322	22.185	ug/L	98

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

