

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW061124\
 Data File : VW036029.D
 Acq On : 11 Jun 2024 11:02
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025397

Quant Time: Jun 12 02:00:06 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 11 05:03:54 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/12/2024
 Supervised By :Semsettin Yesilyurt 06/12/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	325360	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.779	117	306143	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	150774	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	128247	21.440	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.760%
7) Chloroethane-d5	1.529	69	109957	23.054	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.200%
11) 1,1-Dichloroethene-d2	2.056	65	57161	21.465	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.880%
21) 2-Butanone-d5	3.802	46	58512m	42.634	ug/L	-0.04
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.260%
24) Chloroform-d	4.243	84	226992	21.944	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.760%
26) 1,2-Dichloroethane-d4	4.937	65	107123	19.752	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	79.000%
32) Benzene-d6	4.953	84	445728	24.493	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.960%
36) 1,2-Dichloropropane-d6	5.982	67	129952	22.676	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.720%
41) Toluene-d8	7.239	98	391252	24.367	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.480%
43) trans-1,3-Dichloroprop...	7.551	79	50387	21.444	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.760%
47) 2-Hexanone-d5	8.027	63	36202	46.626	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.260%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	94192	21.995	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.000%
66) 1,2-Dichlorobenzene-d4	11.557	152	126766	22.927	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.720%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	121067	20.637	ug/L	100
3) Chloromethane	1.214	50	147371	21.889	ug/L	99
5) Vinyl chloride	1.281	62	165390	23.334	ug/L	100
6) Bromomethane	1.484	94	96364	21.916	ug/L	99
8) Chloroethane	1.545	64	105690	23.990	ug/L	99
9) Trichlorofluoromethane	1.709	101	210962	23.967	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	136002	24.346	ug/L	99
12) 1,1-Dichloroethene	2.066	96	121923	23.401	ug/L	97
13) Acetone	2.121	43	104234m	48.757	ug/L	
14) Carbon disulfide	2.236	76	394367	21.797	ug/L	100
15) Methyl Acetate	2.375	43	50563	19.028	ug/L	98
16) Methylene chloride	2.442	84	134395	18.255	ug/L	96
17) trans-1,2-Dichloroethene	2.690	96	123868	22.381	ug/L	99
18) Methyl tert-butyl Ether	2.699	73	251233	20.220	ug/L	98
19) 1,1-Dichloroethane	3.104	63	237425	22.526	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	123427	22.194	ug/L	98
22) 2-Butanone	3.883	43	83749m	46.168	ug/L	
23) Bromochloromethane	4.143	128	56214	20.151	ug/L	95
25) Chloroform	4.268	83	237713	21.925	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	136414	20.153	ug/L	98
29) Cyclohexane	4.574	56	196956	27.021	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	212921	25.440	ug/L	99
31) Carbon tetrachloride	4.728	117	188972	25.737	ug/L	100
33) Benzene	5.005	78	498289	24.886	ug/L	100
34) Trichloroethene	5.828	95	148505	24.200	ug/L	99
35) Methylcyclohexane	6.043	83	222471	26.215	ug/L	99
37) 1,2-Dichloropropane	6.088	63	127864	24.320	ug/L	100
38) Bromodichloromethane	6.429	83	157465	22.628	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	175534	22.322	ug/L	98
40) 4-Methyl-2-pentanone	7.156	43	127988	44.807	ug/L	99
42) Toluene	7.310	91	520874	25.459	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	151527	22.309	ug/L	98
45) 1,1,2-Trichloroethane	7.763	97	94499	21.723	ug/L	99
46) Tetrachloroethene	7.902	164	110088	24.529	ug/L	97
48) 2-Hexanone	8.075	43	106767	47.811	ug/L	99
49) Dibromochloromethane	8.172	129	102791	21.590	ug/L	100
50) 1,2-Dibromoethane	8.281	107	88805	21.275	ug/L	99
51) Chlorobenzene	8.812	112	321901	23.092	ug/L	99
52) Ethylbenzene	8.943	91	544652	24.882	ug/L	98
53) m,p-Xylene	9.069	106	202868	24.665	ug/L	97
54) o-Xylene	9.474	106	185090	23.863	ug/L	97
55) Styrene	9.493	104	329086	24.059	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	84488	21.690	ug/L	99
59) Bromoform	9.664	173	63926	22.482	ug/L	99
60) Isopropylbenzene	9.863	105	538471	27.837	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	81974	22.988	ug/L	96
62) 1,3,5-Trimethylbenzene	10.474	105	362841	25.868	ug/L	100
63) 1,2,4-Trimethylbenzene	10.847	105	384191	25.422	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	246154	24.232	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	243168	23.192	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	220143	23.029	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.361	75	18327	22.984	ug/L	100
69) 1,3,5-Trichlorobenzene	12.580	180	167506	22.044	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	129677	21.674	ug/L	99
71) Naphthalene	13.438	128	210530	21.562	ug/L	100
72) 1,2,3-Trichlorobenzene	13.676	180	119283	21.848	ug/L	98

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

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