

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071224\
 Data File : VW036516.D
 Acq On : 12 Jul 2024 18:52
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025322

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/16/2024
 Supervised By :Semsettin Yesilyurt 07/16/2024

Quant Time: Jul 13 04:12:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 13 04:06:53 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	262798	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	284498	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	168289	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	90974	24.163	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.640%
7) Chloroethane-d5	1.526	69	81146	24.651	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.050	65	46176	23.883	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	95.520%
21) 2-Butanone-d5	3.864	46	39065m	60.621	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.240%
24) Chloroform-d	4.243	84	197491	25.818	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	103.280%
26) 1,2-Dichloroethane-d4	4.937	65	100947	26.607	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	106.440%
32) Benzene-d6	4.953	84	358014	25.224	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.880%
36) 1,2-Dichloropropane-d6	5.986	67	105319	24.898	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.600%
41) Toluene-d8	7.240	98	349324	26.674	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.680%
43) trans-1,3-Dichloroprop...	7.551	79	45712	25.992	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.960%
47) 2-Hexanone-d5	8.034	63	26869	57.193	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.380%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	90781	25.483	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.920%
66) 1,2-Dichlorobenzene-d4	11.558	152	143211	25.076	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	100.320%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	81901	21.504	ug/L	100
3) Chloromethane	1.211	50	68599	22.444	ug/L	98
5) Vinyl chloride	1.278	62	82689	21.986	ug/L	99
6) Bromomethane	1.484	94	70562	23.252	ug/L	100
8) Chloroethane	1.545	64	59817	22.990	ug/L	98
9) Trichlorofluoromethane	1.706	101	152947	22.913	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	104453	23.207	ug/L	99
12) 1,1-Dichloroethene	2.063	96	88309	22.747	ug/L	87
13) Acetone	2.163	43	37895m	41.594	ug/L	
14) Carbon disulfide	2.233	76	171148	19.635	ug/L	100
15) Methyl Acetate	2.388	43	35713	29.014	ug/L	99
16) Methylene chloride	2.439	84	124105	22.970	ug/L	98
17) trans-1,2-Dichloroethene	2.690	96	84114	23.842	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	222236	28.111	ug/L	99
19) 1,1-Dichloroethane	3.105	63	164094	25.696	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	93766	25.571	ug/L	98
22) 2-Butanone	3.921	43	38296m	50.068	ug/L	
23) Bromochloromethane	4.143	128	57117	27.425	ug/L	98
25) Chloroform	4.269	83	202493	26.705	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	119993	28.171	ug/L	99
29) Cyclohexane	4.577	56	75754	20.931	ug/L	100
30) 1,1,1-Trichloroethane	4.507	97	156939	23.730	ug/L	100
31) Carbon tetrachloride	4.728	117	137255	23.401	ug/L	100
33) Benzene	5.005	78	360156	25.581	ug/L	100
34) Trichloroethene	5.828	95	111070	24.791	ug/L	98
35) Methylcyclohexane	6.047	83	111787	21.863	ug/L	99
37) 1,2-Dichloropropane	6.088	63	92402	26.006	ug/L	99
38) Bromodichloromethane	6.429	83	145148	25.782	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	139907	25.535	ug/L	100
40) 4-Methyl-2-pentanone	7.162	43	91270	56.525	ug/L	96
42) Toluene	7.314	91	404078	27.086	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	131474	26.913	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	96057	27.435	ug/L	98
46) Tetrachloroethene	7.902	164	86433	23.860	ug/L	98
48) 2-Hexanone	8.079	43	67437	56.303	ug/L	95
49) Dibromochloromethane	8.172	129	114661	27.082	ug/L	99
50) 1,2-Dibromoethane	8.281	107	91922	27.974	ug/L	99
51) Chlorobenzene	8.812	112	288311	25.805	ug/L	98
52) Ethylbenzene	8.944	91	412704	25.790	ug/L	99
53) m,p-Xylene	9.072	106	165799	26.910	ug/L	99
54) o-Xylene	9.477	106	159556	27.200	ug/L	98
55) Styrene	9.493	104	310515	29.586	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	84588	26.457	ug/L	99
59) Bromoform	9.664	173	78095	26.183	ug/L	97
60) Isopropylbenzene	9.863	105	424635	25.257	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	77718	25.956	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	301842	25.070	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	344123	26.267	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	253893	25.545	ug/L	98
65) 1,4-Dichlorobenzene	11.204	146	266626	24.983	ug/L	100
67) 1,2-Dichlorobenzene	11.574	146	246819	25.843	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	18080	27.909	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	186512	24.236	ug/L	98
70) 1,2,4-trichlorobenzene	13.194	180	150182	24.537	ug/L	99
71) Naphthalene	13.435	128	238011	25.892	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	156110	26.959	ug/L	100

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

