

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071224\
 Data File : VW036498.D
 Acq On : 12 Jul 2024 10:12
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025321

Quant Time: Jul 13 04:00:58 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 01:31:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Difluorobenzene	5.526	114	300033	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	311550	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	177315	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	106073	24.677	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.720%
7) Chloroethane-d5	1.526	69	91599	24.373	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.480%
11) 1,1-Dichloroethene-d2	2.050	65	53439	24.210	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	96.840%
21) 2-Butanone-d5	3.854	46	34785m	47.280	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.560%
24) Chloroform-d	4.240	84	214559	24.568	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.280%
26) 1,2-Dichloroethane-d4	4.934	65	104342	24.089	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.360%
32) Benzene-d6	4.950	84	394137	25.358	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.440%
36) 1,2-Dichloropropane-d6	5.982	67	114483	24.715	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.840%
41) Toluene-d8	7.236	98	381457	26.599	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.400%
43) trans-1,3-Dichloroprop...	7.548	79	47298	24.559	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.240%
47) 2-Hexanone-d5	8.031	63	22375	43.491	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.980%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	86792	22.247	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.000%
66) 1,2-Dichlorobenzene-d4	11.554	152	142338	23.654	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.102	85	96813	22.264	ug/L	99
3) Chloromethane	1.211	50	75816	21.727	ug/L	98
5) Vinyl chloride	1.275	62	98034	22.832	ug/L	100
6) Bromomethane	1.481	94	76838	22.178	ug/L	98
8) Chloroethane	1.542	64	69696	23.462	ug/L	100
9) Trichlorofluoromethane	1.706	101	182513	23.949	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	127019	24.718	ug/L	99
12) 1,1-Dichloroethene	2.060	96	103205	23.285	ug/L	98
13) Acetone	2.166	43	47324m	45.497	ug/L	
14) Carbon disulfide	2.230	76	203540	20.453	ug/L	100
15) Methyl Acetate	2.388	43	30327	21.580	ug/L	97
16) Methylene chloride	2.439	84	128729	20.869	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	95058	23.600	ug/L	98
18) Methyl tert-butyl Ether	2.700	73	215706	23.899	ug/L	100
19) 1,1-Dichloroethane	3.101	63	180007	24.690	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	101383	24.217	ug/L	99
22) 2-Butanone	3.928	43	44671m	51.155	ug/L	
23) Bromochloromethane	4.140	128	59519	25.032	ug/L	99
25) Chloroform	4.265	83	216312	24.987	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	123348	25.365	ug/L	99
29) Cyclohexane	4.574	56	90852	22.923	ug/L	99
30) 1,1,1-Trichloroethane	4.503	97	180920	24.981	ug/L	100
31) Carbon tetrachloride	4.725	117	161489	25.142	ug/L	99
33) Benzene	5.002	78	395700	25.665	ug/L	100
34) Trichloroethene	5.825	95	119680	24.394	ug/L	99
35) Methylcyclohexane	6.043	83	136539	24.385	ug/L	98
37) 1,2-Dichloropropane	6.085	63	101731	26.145	ug/L	100
38) Bromodichloromethane	6.426	83	154919	25.128	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	149978	24.996	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	84989	48.065	ug/L	99
42) Toluene	7.310	91	439009	26.872	ug/L	99
44) trans-1,3-Dichloropropene	7.577	75	135715	25.369	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	95891	25.010	ug/L	98
46) Tetrachloroethene	7.899	164	97726	24.635	ug/L	98
48) 2-Hexanone	8.079	43	62876	47.937	ug/L	97
49) Dibromochloromethane	8.172	129	115966	25.012	ug/L	99
50) 1,2-Dibromoethane	8.278	107	89623	24.906	ug/L	96
51) Chlorobenzene	8.809	112	307562	25.138	ug/L	100
52) Ethylbenzene	8.940	91	460902	26.301	ug/L	100
53) m,p-Xylene	9.069	106	184760	27.384	ug/L	99
54) o-Xylene	9.474	106	174951	27.235	ug/L	96
55) Styrene	9.490	104	332855	28.961	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	83574	23.870	ug/L	99
59) Bromoform	9.661	173	76111	24.219	ug/L	98
60) Isopropylbenzene	9.863	105	484076	27.327	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	75645	23.978	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	338273	26.666	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	381950	27.671	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	271195	25.897	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	283746	25.234	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	255189	25.359	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	15944	23.359	ug/L	94
69) 1,3,5-Trichlorobenzene	12.577	180	201957	24.907	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	153816	23.852	ug/L	99
71) Naphthalene	13.435	128	200615	20.713	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	146976	24.090	ug/L	99

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

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