

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070124\
 Data File : VW036387.D
 Acq On : 01 Jul 2024 20:01
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.66g/10.0mL/MSVOA_V/SOIL/B
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025311

Quant Time: Jul 02 05:14:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 02 02:29:42 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/05/2024
 Supervised By :Semsettin Yesilyurt 07/05/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	288939	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	300773	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	163537	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	119473	24.347	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.400%
7) Chloroethane-d5	1.526	69	101146	25.806	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.240%
11) 1,1-Dichloroethene-d2	2.050	65	56647	24.556	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	98.240%
21) 2-Butanone-d5	3.841	46	69852	61.334	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	122.660%
24) Chloroform-d	4.243	84	235283	27.587	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	110.360%
26) 1,2-Dichloroethane-d4	4.937	65	130946	28.790	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	115.160%
32) Benzene-d6	4.953	84	435985	25.678	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.720%
36) 1,2-Dichloropropane-d6	5.986	67	135882	26.607	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	106.440%
41) Toluene-d8	7.239	98	399847	26.119	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	104.480%
43) trans-1,3-Dichloroprop...	7.551	79	59928	26.277	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	105.120%
47) 2-Hexanone-d5	8.030	63	45121	55.349	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.700%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	121490	29.021	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	116.080%
66) 1,2-Dichlorobenzene-d4	11.558	152	146878	24.646	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.600%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.101	85	134750	24.545	ug/L	99
3) Chloromethane	1.211	50	132531	26.670	ug/L	99
5) Vinyl chloride	1.275	62	149695	26.087	ug/L	98
6) Bromomethane	1.481	94	107595	27.879	ug/L	98
8) Chloroethane	1.542	64	96026	27.152	ug/L	99
9) Trichlorofluoromethane	1.706	101	209030	25.507	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	132417	25.759	ug/L	99
12) 1,1-Dichloroethene	2.060	96	125536	27.583	ug/L	95
13) Acetone	2.153	43	70606m	45.888	ug/L	
14) Carbon disulfide	2.230	76	379125	26.403	ug/L	100
15) Methyl Acetate	2.384	43	59206	29.902	ug/L	99
16) Methylene chloride	2.439	84	150049	26.378	ug/L	99
17) trans-1,2-Dichloroethene	2.687	96	121249	26.832	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	293440	27.896	ug/L	100
19) 1,1-Dichloroethane	3.105	63	222740	27.723	ug/L	100
20) cis-1,2-Dichloroethene	3.809	96	121373	26.705	ug/L	98
22) 2-Butanone	3.918	43	71536m	55.139	ug/L	
23) Bromochloromethane	4.143	128	69460	29.310	ug/L	95
25) Chloroform	4.269	83	244735	28.559	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	160311	28.891	ug/L	99
29) Cyclohexane	4.577	56	142972	22.312	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	196804	26.389	ug/L	99
31) Carbon tetrachloride	4.728	117	172403	25.945	ug/L	99
33) Benzene	5.002	78	492034	27.620	ug/L	100
34) Trichloroethene	5.828	95	148084	26.342	ug/L	99
35) Methylcyclohexane	6.047	83	183726	23.451	ug/L	99
37) 1,2-Dichloropropane	6.088	63	127372	27.996	ug/L	98
38) Bromodichloromethane	6.429	83	176184	28.313	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	183083	26.169	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	151491	59.040	ug/L	98
42) Toluene	7.310	91	522678	28.060	ug/L	98
44) trans-1,3-Dichloropropene	7.577	75	171443	27.245	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	114773	28.540	ug/L	99
46) Tetrachloroethene	7.902	164	105817	25.900	ug/L	98
48) 2-Hexanone	8.079	43	110684	54.840	ug/L	98
49) Dibromochloromethane	8.172	129	129616	28.913	ug/L	99
50) 1,2-Dibromoethane	8.278	107	113556	28.664	ug/L	98
51) Chlorobenzene	8.812	112	342146	26.871	ug/L	98
52) Ethylbenzene	8.944	91	534520	26.591	ug/L	100
53) m,p-Xylene	9.069	106	208123	27.780	ug/L	99
54) o-Xylene	9.474	106	195217	27.709	ug/L	97
55) Styrene	9.493	104	371692	30.103	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	102279	28.417	ug/L	97
59) Bromoform	9.664	173	86965	28.092	ug/L	99
60) Isopropylbenzene	9.863	105	521773	26.394	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	105563	28.603	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	368676	26.060	ug/L	100
63) 1,2,4-Trimethylbenzene	10.850	105	414553	26.965	ug/L	100
64) 1,3-Dichlorobenzene	11.114	146	280801	27.260	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	294644	26.684	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	269156	27.370	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	24158	29.177	ug/L	95
69) 1,3,5-Trichlorobenzene	12.580	180	197171	25.420	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	163005	26.353	ug/L	98
71) Naphthalene	13.435	128	301950	27.379	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	161982	27.849	ug/L	100

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

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