

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062124\
 Data File : VW036217.D
 Acq On : 21 Jun 2024 19:32
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025297

Quant Time: Jun 22 02:51:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 20 05:02:48 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/26/2024
 Supervised By :Semsettin Yesilyurt 06/26/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	263256	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	266491	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	140331	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	96887	20.018	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	80.080%		
7) Chloroethane-d5	1.526	69	86284	22.358	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	89.440%		
11) 1,1-Dichloroethene-d2	2.050	65	46781	21.712	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	86.840%		
21) 2-Butanone-d5	3.834	46	65903m	59.347	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	118.700%		
24) Chloroform-d	4.243	84	204865	24.478	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	97.920%		
26) 1,2-Dichloroethane-d4	4.940	65	109923	25.050	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	100.200%		
32) Benzene-d6	4.956	84	379320	23.946	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	95.800%		
36) 1,2-Dichloropropane-d6	5.985	67	119140	23.883	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	95.520%		
41) Toluene-d8	7.239	98	338387	24.210	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	96.840%		
43) trans-1,3-Dichloroprop...	7.551	79	50829	24.851	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	99.400%		
47) 2-Hexanone-d5	8.030	63	41455	61.336	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	122.680%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	104529	28.041	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	112.160%		
66) 1,2-Dichlorobenzene-d4	11.557	152	119441	23.210	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	92.840%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.101	85	102380	21.569	ug/L	100
3) Chloromethane	1.211	50	123807	22.727	ug/L	97
5) Vinyl chloride	1.275	62	140413	24.484	ug/L	99
6) Bromomethane	1.481	94	94105	26.451	ug/L	99
8) Chloroethane	1.542	64	92388	25.917	ug/L	98
9) Trichlorofluoromethane	1.706	101	190102	26.692	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.059	101	116059	25.677	ug/L	99
12) 1,1-Dichloroethene	2.059	96	113113	26.832	ug/L	98
13) Acetone	2.150	43	70881m	40.977	ug/L	
14) Carbon disulfide	2.230	76	349612	23.882	ug/L	100
15) Methyl Acetate	2.384	43	59971	27.893	ug/L	96
16) Methylene chloride	2.439	84	160919	27.014	ug/L	99
17) trans-1,2-Dichloroethene	2.686	96	115201	25.725	ug/L	98
18) Methyl tert-butyl Ether	2.703	73	288397	28.687	ug/L	100
19) 1,1-Dichloroethane	3.104	63	226441	26.552	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	121076	26.907	ug/L	98
22) 2-Butanone	3.905	43	62776	42.770	ug/L	92
23) Bromochloromethane	4.143	128	63892	28.307	ug/L	95
25) Chloroform	4.268	83	235355	26.828	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	157859	28.823	ug/L	99
29) Cyclohexane	4.577	56	141767	22.343	ug/L	96
30) 1,1,1-Trichloroethane	4.506	97	192888	26.476	ug/L	99
31) Carbon tetrachloride	4.728	117	164064	25.669	ug/L	100
33) Benzene	5.005	78	478526	27.455	ug/L	100
34) Trichloroethene	5.828	95	140392	26.282	ug/L	99
35) Methylcyclohexane	6.046	83	167093	22.619	ug/L	98
37) 1,2-Dichloropropane	6.088	63	129108	28.211	ug/L	99
38) Bromodichloromethane	6.429	83	170335	28.120	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	181689	26.543	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	156972	63.130	ug/L	99
42) Toluene	7.313	91	502223	28.199	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	167315	28.299	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	106820	28.209	ug/L	99
46) Tetrachloroethene	7.902	164	93428	23.914	ug/L	99
48) 2-Hexanone	8.079	43	112000	57.617	ug/L	97
49) Dibromochloromethane	8.175	129	119146	28.749	ug/L	99
50) 1,2-Dibromoethane	8.281	107	106844	29.406	ug/L	100
51) Chlorobenzene	8.812	112	321690	26.510	ug/L	99
52) Ethylbenzene	8.943	91	504885	26.497	ug/L	100
53) m,p-Xylene	9.072	106	195432	27.296	ug/L	97
54) o-Xylene	9.477	106	182289	26.998	ug/L	96
55) Styrene	9.493	104	342647	28.778	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	100906	29.760	ug/L	99
59) Bromoform	9.664	173	79582	30.071	ug/L	99
60) Isopropylbenzene	9.866	105	480635	26.697	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	103640	31.227	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	332347	25.457	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	367873	26.154	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	241472	25.540	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	249632	25.580	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	232335	26.113	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.365	75	23142	31.182	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	160002	22.624	ug/L	100
70) 1,2,4-trichlorobenzene	13.197	180	130155	23.373	ug/L	99
71) Naphthalene	13.438	128	264351	29.089	ug/L	99
72) 1,2,3-Trichlorobenzene	13.676	180	131382	25.855	ug/L	98

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

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