

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052924\
 Data File : VW035877.D
 Acq On : 29 May 2024 20:38
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025384

Quant Time: May 30 04:32:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 30 01:13:31 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/31/2024
 Supervised By :Semsettin Yesilyurt 05/31/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	423256	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	440228	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	239191	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	181494	27.743	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 110.960%	
7) Chloroethane-d5	1.529	69	151452	28.697	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 114.800%	
11) 1,1-Dichloroethene-d2	2.053	65	80212	27.696	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 110.800%#	
21) 2-Butanone-d5	3.844	46	97220	52.366	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 104.740%	
24) Chloroform-d	4.243	84	348802	27.720	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 110.880%	
26) 1,2-Dichloroethane-d4	4.941	65	184309	29.629	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 118.520%	
32) Benzene-d6	4.953	84	671937	27.884	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 111.520%	
36) 1,2-Dichloropropane-d6	5.986	67	213829	28.753	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 115.000%	
41) Toluene-d8	7.240	98	616915	28.764	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 115.040%	
43) trans-1,3-Dichloroprop...	7.551	79	88239	27.744	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 110.960%	
47) 2-Hexanone-d5	8.031	63	65208	48.763	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 97.520%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	148216	20.683	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 82.720%	
66) 1,2-Dichlorobenzene-d4	11.558	152	218282	26.296	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 105.200%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	151788	17.639	ug/L	99
3) Chloromethane	1.211	50	165575	19.165	ug/L	99
5) Vinyl chloride	1.278	62	180179	20.186	ug/L	100
6) Bromomethane	1.484	94	112030	19.823	ug/L	98
8) Chloroethane	1.545	64	124961	22.711	ug/L	100
9) Trichlorofluoromethane	1.709	101	253819	21.786	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	171266	23.299	ug/L	96
12) 1,1-Dichloroethene	2.063	96	147667	22.241	ug/L #	82
13) Acetone	2.159	43	105924m	38.976	ug/L	
14) Carbon disulfide	2.233	76	339553	16.146	ug/L	99
15) Methyl Acetate	2.388	43	94434	22.935	ug/L	95
16) Methylene chloride	2.442	84	230896	23.657	ug/L	95
17) trans-1,2-Dichloroethene	2.690	96	159781	21.677	ug/L	97
18) Methyl tert-butyl Ether	2.703	73	468955	26.375	ug/L	97
19) 1,1-Dichloroethane	3.105	63	363801	26.327	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	182633	22.856	ug/L	96
22) 2-Butanone	3.912	43	104893	41.561	ug/L	90
23) Bromochloromethane	4.143	128	95443	24.696	ug/L	94
25) Chloroform	4.272	83	387830	27.180	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.040	62	242917	27.339	ug/L	99
29) Cyclohexane	4.577	56	195869	18.606	ug/L	97
30) 1,1,1-Trichloroethane	4.507	97	303315	24.849	ug/L	98
31) Carbon tetrachloride	4.728	117	252939	23.617	ug/L	99
33) Benzene	5.005	78	730297	25.065	ug/L	100
34) Trichloroethene	5.828	95	226396	27.470	ug/L	98
35) Methylcyclohexane	6.047	83	236601	18.909	ug/L	96
37) 1,2-Dichloropropane	6.088	63	204409	26.890	ug/L	99
38) Bromodichloromethane	6.429	83	281628	27.349	ug/L	98
39) cis-1,3-Dichloropropene	6.950	75	293342	24.672	ug/L	100
40) 4-Methyl-2-pentanone	7.159	43	252674	55.502	ug/L	97
42) Toluene	7.310	91	784014	25.427	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	271757	26.129	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	177056	27.413	ug/L	98
46) Tetrachloroethene	7.902	164	144551	21.589	ug/L	99
48) 2-Hexanone	8.079	43	179825	52.682	ug/L	97
49) Dibromochloromethane	8.172	129	196803	27.004	ug/L	99
50) 1,2-Dibromoethane	8.281	107	165046	25.939	ug/L	99
51) Chlorobenzene	8.812	112	522120	24.404	ug/L	99
52) Ethylbenzene	8.944	91	838133	24.619	ug/L	99
53) m,p-Xylene	9.072	106	316116	24.475	ug/L	96
54) o-Xylene	9.477	106	306181	25.012	ug/L	99
55) Styrene	9.493	104	585951	27.444	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.175	83	144580	18.376	ug/L	99
59) Bromoform	9.664	173	128259	27.285	ug/L	100
60) Isopropylbenzene	9.863	105	845617	26.540	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	167117	29.816	ug/L	99
62) 1,3,5-Trimethylbenzene	10.474	105	668334	26.739	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	680870	26.508	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	435153	26.024	ug/L	100
65) 1,4-Dichlorobenzene	11.207	146	445916	25.760	ug/L	98
67) 1,2-Dichlorobenzene	11.577	146	418813	26.608	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	36755	28.275	ug/L	92
69) 1,3,5-Trichlorobenzene	12.580	180	307670	23.546	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	247333	22.669	ug/L	100
71) Naphthalene	13.435	128	435076	22.714	ug/L	99
72) 1,2,3-Trichlorobenzene	13.677	180	247086	25.173	ug/L	100

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

