

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW072324\
 Data File : VW036659.D
 Acq On : 23 Jul 2024 20:07
 Operator : SY/MD
 Sample : VSTDCCC025EC
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025334

Quant Time: Jul 24 01:04:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM072224SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 24 00:57:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Romaben Patel 07/24/2024
 Supervised By :Mahesh Dadoda 07/25/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	347491	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	357839	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.181	152	212475	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	67250	17.670	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	70.680%
7) Chloroethane-d5	1.529	69	68320	19.875	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.520%
11) 1,1-Dichloroethene-d2	2.050	65	36954	18.363	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.440%
21) 2-Butanone-d5	3.847	46	43529m	49.008	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.020%
24) Chloroform-d	4.243	84	198267	21.574	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.280%
26) 1,2-Dichloroethane-d4	4.941	65	104082	22.956	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.840%
32) Benzene-d6	4.953	84	343468	20.252	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	81.000%
36) 1,2-Dichloropropane-d6	5.986	67	98703	20.425	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.720%
41) Toluene-d8	7.239	98	336372	20.783	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.120%
43) trans-1,3-Dichloroprop...	7.551	79	44248	20.598	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.400%
47) 2-Hexanone-d5	8.034	63	31797	49.443	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.880%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	94729	22.491	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.960%
66) 1,2-Dichlorobenzene-d4	11.558	152	149333	20.133	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	80.520%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.105	85	132829	22.540	ug/L	99
3) Chloromethane	1.211	50	113441	25.021	ug/L	99
5) Vinyl chloride	1.278	62	132363	23.608	ug/L	100
6) Bromomethane	1.484	94	110200	24.582	ug/L	100
8) Chloroethane	1.545	64	88119	24.251	ug/L	99
9) Trichlorofluoromethane	1.706	101	225563	23.170	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	135231	22.325	ug/L	99
12) 1,1-Dichloroethene	2.063	96	127942	23.866	ug/L	97
13) Acetone	2.153	43	51397m	35.622	ug/L	
14) Carbon disulfide	2.230	76	364217	24.479	ug/L	100
15) Methyl Acetate	2.388	43	41437	24.617	ug/L	99
16) Methylene chloride	2.439	84	151214	23.388	ug/L	96
17) trans-1,2-Dichloroethene	2.687	96	133055	24.577	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	296315	26.095	ug/L	100
19) 1,1-Dichloroethane	3.105	63	208656	24.565	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	141131	24.961	ug/L	99
22) 2-Butanone	3.912	43	57825m	47.214	ug/L	
23) Bromochloromethane	4.146	128	77693	25.856	ug/L	98
25) Chloroform	4.272	83	256834	25.050	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	164169	26.685	ug/L	97
29) Cyclohexane	4.577	56	134716	21.116	ug/L	100
30) 1,1,1-Trichloroethane	4.506	97	217298	23.472	ug/L	99
31) Carbon tetrachloride	4.728	117	199685	23.087	ug/L	100
33) Benzene	5.005	78	495342	24.375	ug/L	100
34) Trichloroethene	5.828	95	168129	25.281	ug/L	96
35) Methylcyclohexane	6.047	83	192467	21.735	ug/L	100
37) 1,2-Dichloropropane	6.088	63	115251	24.643	ug/L	98
38) Bromodichloromethane	6.429	83	185345	24.307	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	190967	24.868	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	117469	53.789	ug/L	98
42) Toluene	7.310	91	569872	25.318	ug/L	100
44) trans-1,3-Dichloropropene	7.580	75	174520	25.307	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	118739	26.032	ug/L	99
46) Tetrachloroethene	7.902	164	139067	21.073	ug/L	98
48) 2-Hexanone	8.079	43	81965	47.869	ug/L	98
49) Dibromochloromethane	8.172	129	147974	25.750	ug/L	98
50) 1,2-Dibromoethane	8.281	107	122377	26.705	ug/L	99
51) Chlorobenzene	8.812	112	400329	24.565	ug/L	99
52) Ethylbenzene	8.944	91	612349	24.732	ug/L	99
53) m,p-Xylene	9.069	106	247783	25.633	ug/L	100
54) o-Xylene	9.477	106	233671	25.159	ug/L	100
55) Styrene	9.493	104	428269	27.194	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	104439	25.271	ug/L	100
59) Bromoform	9.664	173	100097	25.014	ug/L	98
60) Isopropylbenzene	9.863	105	628109	24.157	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	93651	25.002	ug/L	98
62) 1,3,5-Trimethylbenzene	10.474	105	512429	25.266	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	518850	25.272	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	351950	24.214	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	362450	24.214	ug/L	100
67) 1,2-Dichlorobenzene	11.577	146	329526	24.383	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.361	75	22148	25.109	ug/L	98
69) 1,3,5-Trichlorobenzene	12.577	180	269426	23.498	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	221306	23.761	ug/L	100
71) Naphthalene	13.435	128	350716	25.313	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	214462	25.520	ug/L	99

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

