

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062824\
 Data File : VW036338.D
 Acq On : 28 Jun 2024 08:41
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD025308

Quant Time: Jun 28 23:24:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062724SMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jun 28 04:20:38 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 07/03/2024
 Supervised By :Semsettin Yesilyurt 07/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	334006	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.780	117	334609	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	179063	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	147651	26.029	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 104.120%	
7) Chloroethane-d5	1.529	69	120096	26.507	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	= 106.040%	
11) 1,1-Dichloroethene-d2	2.050	65	68681	25.756	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	= 103.040%	
21) 2-Butanone-d5	3.851	46	53846m	40.900	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	= 81.800%	
24) Chloroform-d	4.240	84	258864	26.256	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	= 105.040%	
26) 1,2-Dichloroethane-d4	4.937	65	132816	25.261	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	= 101.040%	
32) Benzene-d6	4.953	84	497898	26.360	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	= 105.440%	
36) 1,2-Dichloropropane-d6	5.982	67	148923	26.212	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	= 104.840%	
41) Toluene-d8	7.236	98	459018	26.953	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	= 107.800%	
43) trans-1,3-Dichloroprop...	7.548	79	62586	24.668	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	= 98.680%	
47) 2-Hexanone-d5	8.031	63	33892	37.371	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	= 74.740%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	106402	22.846	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	= 91.400%	
66) 1,2-Dichlorobenzene-d4	11.554	152	155131	23.774	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	= 95.080%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	154666	24.372	ug/L	100
3) Chloromethane	1.211	50	141894	24.701	ug/L	100
5) Vinyl chloride	1.278	62	161322	24.320	ug/L	99
6) Bromomethane	1.484	94	111303	24.949	ug/L	99
8) Chloroethane	1.545	64	99976	24.455	ug/L	99
9) Trichlorofluoromethane	1.709	101	225454	23.799	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	147279	24.785	ug/L	98
12) 1,1-Dichloroethene	2.063	96	130922	24.885	ug/L	97
13) Acetone	2.163	43	72250m	40.621	ug/L	
14) Carbon disulfide	2.233	76	414956	24.999	ug/L	100
15) Methyl Acetate	2.384	43	46043	20.117	ug/L	98
16) Methylene chloride	2.439	84	153715	23.377	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	125764	24.076	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	260362	21.412	ug/L	100
19) 1,1-Dichloroethane	3.105	63	228056	24.555	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	121702	23.165	ug/L	98
22) 2-Butanone	3.921	43	64246m	42.838	ug/L	
23) Bromochloromethane	4.143	128	66460	24.260	ug/L	97
25) Chloroform	4.269	83	247109	24.945	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.034	62	149842	23.360	ug/L	98
29) Cyclohexane	4.574	56	165278	23.185	ug/L	98
30) 1,1,1-Trichloroethane	4.503	97	206950	24.944	ug/L	99
31) Carbon tetrachloride	4.728	117	183918	24.879	ug/L	99
33) Benzene	5.002	78	500634	25.261	ug/L	100
34) Trichloroethene	5.825	95	151007	24.146	ug/L	99
35) Methylcyclohexane	6.043	83	212672	24.401	ug/L	99
37) 1,2-Dichloropropane	6.085	63	128181	25.324	ug/L	99
38) Bromodichloromethane	6.426	83	171588	24.786	ug/L	100
39) cis-1,3-Dichloropropene	6.950	75	178320	22.911	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	108154	37.888	ug/L	99
42) Toluene	7.310	91	538134	25.969	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	166435	23.775	ug/L	98
45) 1,1,2-Trichloroethane	7.764	97	104554	23.370	ug/L	98
46) Tetrachloroethene	7.899	164	112207	24.687	ug/L	98
48) 2-Hexanone	8.079	43	82918	36.929	ug/L	98
49) Dibromochloromethane	8.172	129	117798	23.620	ug/L	98
50) 1,2-Dibromoethane	8.278	107	102701	23.302	ug/L	98
51) Chlorobenzene	8.809	112	344954	24.352	ug/L	98
52) Ethylbenzene	8.940	91	552317	24.698	ug/L	100
53) m,p-Xylene	9.069	106	213059	25.563	ug/L	98
54) o-Xylene	9.474	106	197860	25.244	ug/L	98
55) Styrene	9.490	104	367768	26.773	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.172	83	86622	21.633	ug/L	100
59) Bromoform	9.661	173	74967	22.117	ug/L	99
60) Isopropylbenzene	9.863	105	544500	25.156	ug/L	100
61) 1,2,3-Trichloropropane	10.204	75	86316	21.360	ug/L	99
62) 1,3,5-Trimethylbenzene	10.471	105	378956	24.464	ug/L	99
63) 1,2,4-Trimethylbenzene	10.847	105	419878	24.943	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	275765	24.450	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	285017	23.574	ug/L	99
67) 1,2-Dichlorobenzene	11.574	146	254158	23.604	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.362	75	18396	20.291	ug/L	94
69) 1,3,5-Trichlorobenzene	12.577	180	193262	22.756	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	146854	21.684	ug/L	100
71) Naphthalene	13.435	128	221802	18.368	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	140962	22.134	ug/L	99

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

