

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062424\
 Data File : VW036266.D
 Acq On : 25 Jun 2024 00:27
 Operator : SY/MD
 Sample : P3035-03MSD
 Misc : 4.91g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4CW2MSD

Manual Integrations
 APPROVED

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

Quant Time: Jun 25 06:31:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:53:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	420691	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	324674	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	98960	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	176135	22.773	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	91.080%	
7) Chloroethane-d5	1.526	69	152577	24.740	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	=	98.960%	
11) 1,1-Dichloroethene-d2	2.050	65	76003	22.074	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	=	88.280%	
21) 2-Butanone-d5	3.847	46	46802m	26.374	ug/L	0.02
Spiked Amount	50.000	Range 20 - 135	Recovery	=	52.740%	
24) Chloroform-d	4.243	84	325064	24.304	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	=	97.200%	
26) 1,2-Dichloroethane-d4	4.937	65	166368	23.725	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	=	94.880%	
32) Benzene-d6	4.954	84	613670	31.797	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	=	127.200%	
36) 1,2-Dichloropropane-d6	5.982	67	195478	32.164	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	=	128.640%#	
41) Toluene-d8	7.240	98	504755	29.642	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	=	118.560%	
43) trans-1,3-Dichloroprop...	7.551	79	44663	17.923	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	=	71.680%	
47) 2-Hexanone-d5	8.034	63	23704	28.787	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	=	57.580%	
56) 1,1,2,2-Tetrachloroeth...	10.149	84	112139	24.692	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	=	98.760%	
66) 1,2-Dichlorobenzene-d4	11.558	152	82923	22.850	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	=	91.400%	
Target Compounds						
2) Dichlorodifluoromethane	1.102	85	106193	14.000	ug/L	100
3) Chloromethane	1.211	50	103430	11.881	ug/L	99
5) Vinyl chloride	1.275	62	138070	15.066	ug/L	99
6) Bromomethane	1.481	94	66834	11.755	ug/L	99
8) Chloroethane	1.542	64	91553	16.072	ug/L	98
9) Trichlorofluoromethane	1.706	101	194563	17.095	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.060	101	112831	15.621	ug/L	97
12) 1,1-Dichloroethene	2.060	96	107223	15.916	ug/L #	79
13) Acetone	2.163	43	39835m	14.411	ug/L	
14) Carbon disulfide	2.233	76	272688	11.656	ug/L	100
15) Methyl Acetate	2.397	43	24210m	7.046	ug/L	
16) Methylene chloride	2.439	84	150226	15.781	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	104747	14.637	ug/L	96
18) Methyl tert-butyl Ether	2.703	73	280210	17.442	ug/L	99
19) 1,1-Dichloroethane	3.105	63	221458	16.250	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	109973	15.294	ug/L	97
22) 2-Butanone	3.925	43	54278m	23.141	ug/L	
23) Bromochloromethane	4.143	128	59271	16.433	ug/L	96
25) Chloroform	4.269	83	231880	16.541	ug/L	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW062424\
 Data File : VW036266.D
 Acq On : 25 Jun 2024 00:27
 Operator : SY/MD
 Sample : P3035-03MSD
 Misc : 4.91g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4CW2MSD

Manual Integrations
 APPROVED

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

Quant Time: Jun 25 06:31:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM053024SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 25 05:53:47 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	141749	16.196	ug/L	100
29) Cyclohexane	4.577	56	108560	14.043	ug/L	98
30) 1,1,1-Trichloroethane	4.507	97	181931	20.497	ug/L	99
31) Carbon tetrachloride	4.728	117	146632	18.831	ug/L	98
33) Benzene	5.005	78	443875	20.903	ug/L	100
34) Trichloroethene	5.828	95	113057	17.372	ug/L	100
35) Methylcyclohexane	6.047	83	100603	11.178	ug/L	99
37) 1,2-Dichloropropane	6.089	63	116030	20.810	ug/L	100
38) Bromodichloromethane	6.429	83	150552	20.400	ug/L	100
39) cis-1,3-Dichloropropene	6.953	75	93866	11.256	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	100225	33.085	ug/L	99
42) Toluene	7.310	91	411759	18.977	ug/L	98
44) trans-1,3-Dichloropropene	7.580	75	85877	11.922	ug/L	100
45) 1,1,2-Trichloroethane	7.767	97	91204	19.769	ug/L	98
46) Tetrachloroethene	7.902	164	69260	14.551	ug/L	98
48) 2-Hexanone	8.082	43	56522	23.866	ug/L #	93
49) Dibromochloromethane	8.172	129	91729	18.167	ug/L	99
50) 1,2-Dibromoethane	8.281	107	69546	15.710	ug/L	98
51) Chlorobenzene	8.812	112	224804	15.206	ug/L	99
52) Ethylbenzene	8.944	91	350839	15.113	ug/L	100
53) m,p-Xylene	9.072	106	127917	14.665	ug/L	99
54) o-Xylene	9.477	106	116043	14.107	ug/L	99
55) Styrene	9.494	104	169178	11.663	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	75827	18.356	ug/L	99
59) Bromoform	9.664	173	49419	26.480	ug/L	99
60) Isopropylbenzene	9.863	105	277985	21.896	ug/L	99
61) 1,2,3-Trichloropropane	10.207	75	70775	30.240	ug/L	97
62) 1,3,5-Trimethylbenzene	10.474	105	154951	16.831	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	163337	16.467	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	101185	15.176	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	104850	15.236	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	91702	14.616	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	11596	22.157	ug/L	98
69) 1,3,5-Trichlorobenzene	12.580	180	38340	7.687	ug/L	99
70) 1,2,4-trichlorobenzene	13.198	180	22992	5.855	ug/L	99
71) Naphthalene	13.439	128	50727	7.916	ug/L	100
72) 1,2,3-Trichlorobenzene	13.680	180	18412	5.138	ug/L	99

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

