

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071524\
 Data File : VW036536.D
 Acq On : 15 Jul 2024 18:30
 Operator : SY/MD
 Sample : P3238-22
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/16/2024
 Supervised By :Mahesh Dadoda 07/19/2024

Quant Time: Jul 16 01:30:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 16 01:25:30 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	326860	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	343611	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	170710	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.269	65	96682	20.646	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.600%
7) Chloroethane-d5	1.523	69	88251	21.555	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.200%
11) 1,1-Dichloroethene-d2	2.047	65	47166	19.614	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.440%
21) 2-Butanone-d5	3.815	46	53893m	67.240	ug/L	-0.03
Spiked Amount	50.000	Range	20 - 135	Recovery	=	134.480%
24) Chloroform-d	4.243	84	217851	22.897	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.600%
26) 1,2-Dichloroethane-d4	4.937	65	114886	24.346	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.400%
32) Benzene-d6	4.953	84	376390	21.957	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	87.840%
36) 1,2-Dichloropropane-d6	5.985	67	117152	22.931	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.720%
41) Toluene-d8	7.239	98	386869	24.459	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.840%
43) trans-1,3-Dichloroprop...	7.551	79	51072	24.044	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.160%
47) 2-Hexanone-d5	8.030	63	34956	61.606	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.220%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	115446	26.831	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	147809	25.514	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.040%
Target Compounds						
					Qvalue	
13) Acetone	2.140	43	379865m	335.228	ug/L	
16) Methylene chloride	2.436	84	337447	50.215	ug/L	96
17) trans-1,2-Dichloroethene	2.683	96	229414	52.282	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	287436	29.232	ug/L	99
19) 1,1-Dichloroethane	3.101	63	525225	66.127	ug/L	99
20) cis-1,2-Dichloroethene	3.805	96	438093	96.057	ug/L	99
22) 2-Butanone	3.889	43	119204m	125.302	ug/L	
25) Chloroform	4.268	83	336580	35.689	ug/L	100
31) Carbon tetrachloride	4.725	117	113108	15.967	ug/L	99
33) Benzene	5.002	78	1625260	95.579	ug/L	100
34) Trichloroethene	5.825	95	593912	109.759	ug/L	99
38) Bromodichloromethane	6.426	83	479478	70.514	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	590680	89.260	ug/L	100
40) 4-Methyl-2-pentanone	7.156	43	784615	402.330	ug/L	91
42) Toluene	7.310	91	830672	46.102	ug/L	100
45) 1,1,2-Trichloroethane	7.763	97	238376	56.370	ug/L	98
46) Tetrachloroethene	7.902	164	198746	45.426	ug/L	99
49) Dibromochloromethane	8.172	129	496562	97.107	ug/L	99
50) 1,2-Dibromoethane	8.281	107	178025	44.857	ug/L	100

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

52) Ethylbenzene	8.944	91	1598421	82.700	ug/L	100
53) m,p-Xylene	9.069	106	246094	33.071	ug/L	100
54) o-Xylene	9.477	106	393017	55.473	ug/L	99
55) Styrene	9.493	104	1404216	110.778	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.175	83	398908	103.305	ug/L	99
59) Bromoform	9.661	173	413967	136.825	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	883887	81.647	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.361	75	84956	129.281	ug/L	96

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

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