

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW071724\
 Data File : VW036586.D
 Acq On : 17 Jul 2024 12:02
 Operator : SY/MD
 Sample : P3238-22DL 4X
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A4DJ8DL

Manual Integrations
 APPROVED

Reviewed By :Romaben Patel 07/18/2024
 Supervised By :Mahesh Dadoda 07/19/2024

Quant Time: Jul 18 01:26:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM071124SMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 01:25:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	271529	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	285274	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	136952	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.272	65	75926	19.517	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.080%
7) Chloroethane-d5	1.526	69	67120	19.734	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.920%
11) 1,1-Dichloroethene-d2	2.050	65	39724	19.886	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	79.560%
21) 2-Butanone-d5	3.860	46	33158m	49.800	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.600%
24) Chloroform-d	4.243	84	163499	20.687	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.760%
26) 1,2-Dichloroethane-d4	4.937	65	82151	20.957	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	83.840%
32) Benzene-d6	4.957	84	287244	20.183	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	80.720%
36) 1,2-Dichloropropane-d6	5.985	67	87850	20.712	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	82.840%
41) Toluene-d8	7.239	98	292947	22.309	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.240%
43) trans-1,3-Dichloroprop...	7.554	79	36537	20.719	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.880%
47) 2-Hexanone-d5	8.034	63	18576	39.433	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.860%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	74773	20.932	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.720%
66) 1,2-Dichlorobenzene-d4	11.558	152	113037	24.321	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.280%
Target Compounds						
					Qvalue	
13) Acetone	2.166	43	79579	84.539	ug/L	95
16) Methylene chloride	2.442	84	93191	16.694	ug/L	98
17) trans-1,2-Dichloroethene	2.687	96	53453	14.664	ug/L	99
18) Methyl tert-butyl Ether	2.703	73	51715	6.331	ug/L	98
19) 1,1-Dichloroethane	3.104	63	120746	18.300	ug/L	99
20) cis-1,2-Dichloroethene	3.812	96	86665	22.874	ug/L	98
22) 2-Butanone	3.940	43	22438m	28.392	ug/L	
25) Chloroform	4.272	83	79550	10.154	ug/L	100
31) Carbon tetrachloride	4.728	117	28352	4.821	ug/L	96
33) Benzene	5.005	78	360359	25.526	ug/L	100
34) Trichloroethene	5.828	95	127712	28.429	ug/L	99
38) Bromodichloromethane	6.429	83	102559	18.167	ug/L	98
39) cis-1,3-Dichloropropene	6.953	75	111108	20.223	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	120884	74.662	ug/L	95
42) Toluene	7.313	91	178551	11.936	ug/L	99
45) 1,1,2-Trichloroethane	7.767	97	48802	13.901	ug/L	96
46) Tetrachloroethene	7.902	164	46760	12.873	ug/L	99
49) Dibromochloromethane	8.175	129	99716	23.488	ug/L	100
50) 1,2-Dibromoethane	8.284	107	34012	10.323	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
52) Ethylbenzene	8.943	91	307395	19.157	ug/L	99
53) m,p-Xylene	9.072	106	48095	7.785	ug/L	96
54) o-Xylene	9.477	106	70154	11.927	ug/L	99
55) Styrene	9.493	104	254786	24.210	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.175	83	79506	24.800	ug/L	97
59) Bromoform	9.664	173	77440	31.905	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	180356	20.767	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.365	75	15241	28.910	ug/L	97

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

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