

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV051024\
 Data File : VV035574.D
 Acq On : 10 May 2024 11:16
 Operator : SY/MD
 Sample : P2409-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2024-03

Quant Time: May 10 23:50:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050124WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 10 23:44:12 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh
 Dadoda
 05/13/2024

Supervised By :Semsettin
 Yesilyurt
 05/13/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	453017	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	451817	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	198996	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.275	65	144227	41.290	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.580%
7) Chloroethane-d5	1.519	69	127748	49.628	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.260%
11) 1,1-Dichloroethene-d2	2.053	65	64206	42.820	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.640%
21) 2-Butanone-d5	3.783	46	211223	89.599	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.600%
24) Chloroform-d	4.243	84	302677	47.241	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.480%
26) 1,2-Dichloroethane-d4	4.937	65	187689	49.743	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.480%
32) Benzene-d6	4.957	84	593236	46.647	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.300%
36) 1,2-Dichloropropane-d6	5.985	67	196064	49.445	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.900%
41) Toluene-d8	7.239	98	507662	43.855	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.700%
43) trans-1,3-Dichloroprop...	7.551	79	83352	43.129	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	86.260%
47) 2-Hexanone-d5	8.021	63	154907	85.011	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.010%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	268298	44.404	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.800%
66) 1,2-Dichlorobenzene-d4	11.558	152	198779	50.278	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.560%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.105	85	7781	2.564	ug/L	98
3) Chloromethane	1.214	50	9538	2.901	ug/L	99
5) Vinyl chloride	1.281	62	9140	2.640	ug/L #	76
6) Bromomethane	1.474	94	4907	2.229	ug/L	100
8) Chloroethane	1.539	64	5861	2.944	ug/L	96
9) Trichlorofluoromethane	1.706	101	11416	2.451	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	9271	3.140	ug/L	85
12) 1,1-Dichloroethene	2.063	96	8005	3.035	ug/L #	1
13) Acetone	2.114	43	11554m	5.294	ug/L	
14) Carbon disulfide	2.236	76	16835	2.430	ug/L	99
15) Methyl Acetate	2.381	43	8487	2.397	ug/L	98
16) Methylene chloride	2.445	84	10161	3.041	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	6495	2.330	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	21966	2.241	ug/L	96
19) 1,1-Dichloroethane	3.111	63	14201	2.426	ug/L	98
20) cis-1,2-Dichloroethene	3.812	96	8013	2.417	ug/L	93
22) 2-Butanone	3.918	43	12012m	4.649	ug/L	
23) Bromochloromethane	4.156	128	4334	2.390	ug/L #	90
27) 1,2-Dichloroethane	5.056	62	11225m	2.596	ug/L	

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
29) Cyclohexane	4.584	56	8663	2.147	ug/L	#	92
30) 1,1,1-Trichloroethane	4.513	97	12687	2.454	ug/L		100
31) Carbon tetrachloride	4.735	117	11288	2.525	ug/L		94
33) Benzene	5.014	78	28052	2.299	ug/L		100
34) Trichloroethene	5.841	95	8666	2.669	ug/L		96
35) Methylcyclohexane	6.047	83	10378m	2.266	ug/L		
37) 1,2-Dichloropropane	6.101	63	8985m	2.680	ug/L		
38) Bromodichloromethane	6.442	83	11548	2.504	ug/L		99
39) cis-1,3-Dichloropropene	6.966	75	12758m	2.424	ug/L		
40) 4-Methyl-2-pentanone	7.165	43	19944m	4.457	ug/L		
42) Toluene	7.323	91	29301	2.289	ug/L		99
44) trans-1,3-Dichloropropene	7.590	75	12365m	2.474	ug/L		
45) 1,1,2-Trichloroethane	7.776	97	8585	2.395	ug/L		97
46) Tetrachloroethene	7.908	164	6080	2.318	ug/L		97
48) 2-Hexanone	8.088	43	19826m	5.446	ug/L		
49) Dibromochloromethane	8.178	129	9197	2.451	ug/L		96
50) 1,2-Dibromoethane	8.291	107	8950	2.389	ug/L	#	95
51) Chlorobenzene	8.815	112	21220	2.388	ug/L		96
52) Ethylbenzene	8.953	91	28742	2.079	ug/L		98
53) m,p-Xylene	9.079	106	10074	1.964	ug/L		99
54) o-Xylene	9.480	106	10207	1.975	ug/L		95
55) Styrene	9.506	104	15377	1.721	ug/L		98
57) 1,1,2,2-Tetrachloroethane	10.175	83	14536	2.370	ug/L	#	98
59) Bromoform	9.667	173	7005	2.722	ug/L	#	97
60) Isopropylbenzene	9.866	105	24846	2.162	ug/L		98
61) 1,2,3-Trichloropropane	10.210	75	11639	2.915	ug/L		98
62) 1,3,5-Trimethylbenzene	10.477	105	18627	2.025	ug/L		99
63) 1,2,4-Trimethylbenzene	10.853	105	18286	1.983	ug/L		98
64) 1,3-Dichlorobenzene	11.124	146	13944	2.343	ug/L		97
65) 1,4-Dichlorobenzene	11.207	146	16306	2.597	ug/L		98
67) 1,2-Dichlorobenzene	11.577	146	17748	2.851	ug/L		96
68) 1,2-Dibromo-3-chloropr...	12.365	75	3332	2.834	ug/L	#	76
69) 1,3,5-Trichlorobenzene	12.583	180	10696	2.368	ug/L		100
70) 1,2,4-trichlorobenzene	13.204	180	9406	2.364	ug/L		98
71) Naphthalene	13.445	128	21933	1.967	ug/L		100
72) 1,2,3-Trichlorobenzene	13.683	180	9858	2.387	ug/L		99

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

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