

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050924\
 Data File : VX041434.D
 Acq On : 09 May 2024 15:06
 Operator : JC/MD
 Sample : P2409-05
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: May 09 23:55:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML050924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 23:24:52 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 05/10/2024

Supervised By :Manesh
 Dadoda
 05/10/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	222629	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	222807	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	119404	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	71474	56.606	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 113.220%			
7) Chloroethane-d5	1.648	69	54513	58.845	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 117.700%			
11) 1,1-Dichloroethene-d2	2.294	65	37052	58.305	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 116.600%			
21) 2-Butanone-d5	4.459	46	134625	143.014	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 143.010%#			
24) Chloroform-d	5.056	84	162862	58.329	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 116.660%			
26) 1,2-Dichloroethane-d4	5.952	65	115809	57.657	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 115.320%			
32) Benzene-d6	5.964	84	332809	54.677	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 109.360%			
36) 1,2-Dichloropropane-d6	7.306	67	99622	55.082	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 110.160%			
41) Toluene-d8	8.647	98	306361	48.731	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 97.460%			
43) trans-1,3-Dichloroprop...	8.952	79	44077	48.645	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 97.300%			
47) 2-Hexanone-d5	9.384	63	96573	114.590	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 114.590%			
56) 1,1,2,2-Tetrachloroeth...	11.189	84	151388	53.189	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 106.380%			
66) 1,2-Dichlorobenzene-d4	12.317	152	132754	54.412	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 108.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.166	85	3836	2.503	ug/L	93
3) Chloromethane	1.294	50	3444	2.634	ug/L	94
5) Vinyl chloride	1.374	62	3595	2.670	ug/L #	43
6) Bromomethane	1.599	94	2604	2.775	ug/L	97
8) Chloroethane	1.666	64	2429	3.151	ug/L	98
9) Trichlorofluoromethane	1.868	101	5953	2.511	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	4907	3.370	ug/L #	83
12) 1,1-Dichloroethene	2.306	96	4088	3.160	ug/L #	1
13) Acetone	2.386	43	5024	5.198	ug/L	99
14) Carbon disulfide	2.502	76	7311	2.345	ug/L	96
15) Methyl Acetate	2.709	43	4757	2.916	ug/L	100
16) Methylene chloride	2.782	84	5242	3.652	ug/L	90
17) trans-1,2-Dichloroethene	3.087	96	3312	2.492	ug/L	93
18) Methyl tert-butyl Ether	3.117	73	12086	2.665	ug/L	100
19) 1,1-Dichloroethane	3.611	63	6318	2.567	ug/L	93
20) cis-1,2-Dichloroethene	4.489	96	3989	2.600	ug/L	99
22) 2-Butanone	4.580	43	6796m	5.632	ug/L	
23) Bromochloromethane	4.897	128	2101m	2.573	ug/L	
27) 1,2-Dichloroethane	6.098	62	6269	2.831	ug/L	97

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Supervised By :Mahesh
 Dadoda
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
29) Cyclohexane	5.464	56	5472	2.209	ug/L	#	71
30) 1,1,1-Trichloroethane	5.385	97	5655m	2.156	ug/L		
31) Carbon tetrachloride	5.678	117	4682	2.011	ug/L		100
33) Benzene	6.031	78	14467	2.321	ug/L		100
35) Methylcyclohexane	7.373	83	5935	2.243	ug/L		98
37) 1,2-Dichloropropane	7.428	63	3678	2.343	ug/L	#	94
38) Bromodichloromethane	7.824	83	4220	1.989	ug/L	#	91
39) cis-1,3-Dichloropropene	8.366	75	5881	2.262	ug/L		97
40) 4-Methyl-2-pentanone	8.580	43	10528	4.167	ug/L		100
42) Toluene	8.720	91	15591	2.292	ug/L		94
44) trans-1,3-Dichloropropene	8.976	75	4824	1.990	ug/L		95
45) 1,1,2-Trichloroethane	9.153	97	3967	2.285	ug/L		92
46) Tetrachloroethene	9.275	164	3572	2.186	ug/L		98
48) 2-Hexanone	9.433	43	8884	4.389	ug/L		96
49) Dibromochloromethane	9.519	129	3041	1.733	ug/L		98
50) 1,2-Dibromoethane	9.610	107	3485	1.930	ug/L		97
51) Chlorobenzene	10.079	112	10577	2.331	ug/L		97
52) Ethylbenzene	10.195	91	16315	2.186	ug/L		99
53) m,p-Xylene	10.305	106	6396	2.142	ug/L		97
54) o-Xylene	10.646	106	6532	2.147	ug/L		89
55) Styrene	10.659	104	9823	1.933	ug/L		96
57) 1,1,2,2-Tetrachloroethane	11.207	83	7649	2.656	ug/L	#	94
59) Bromoform	10.799	173	2908	2.081	ug/L	#	92
60) Isopropylbenzene	10.963	105	16314	2.239	ug/L		100
61) 1,2,3-Trichloropropane	11.238	75	5299	2.596	ug/L		98
62) 1,3,5-Trimethylbenzene	11.451	105	10367	2.106	ug/L		97
63) 1,2,4-Trimethylbenzene	11.750	105	11008	1.846	ug/L		95
64) 1,3-Dichlorobenzene	11.969	146	8590	2.318	ug/L		97
67) 1,2-Dichlorobenzene	12.335	146	9107	2.373	ug/L		95
68) 1,2-Dibromo-3-chloropr...	12.945	75	1244	2.265	ug/L		88
69) 1,3,5-Trichlorobenzene	13.116	180	6158	2.226	ug/L		98
70) 1,2,4-trichlorobenzene	13.591	180	5492	2.174	ug/L		99
71) Naphthalene	13.780	128	15506	2.057	ug/L		99
72) 1,2,3-Trichlorobenzene	13.963	180	5970	2.267	ug/L		94

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

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