

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030824\
 Data File : VX040617.D
 Acq On : 07 Mar 2024 13:26
 Operator : JC/MD
 Sample : P1601-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2024-02

Quant Time: Mar 08 01:38:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML030724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Mar 08 01:27:40 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

03/08/2024
 Supervised By :Semsettin
 Yesilyurt

03/11/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	162629	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	146677	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	76643	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.368	65	67954	47.668	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.340%
7) Chloroethane-d5	1.666	69	51902	45.603	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.200%
11) 1,1-Dichloroethene-d2	2.307	65	30915	47.109	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.220%
21) 2-Butanone-d5	4.452	46	116613	106.598	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.600%
24) Chloroform-d	5.056	84	135144m	51.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.100%
26) 1,2-Dichloroethane-d4	5.952	65	99671	50.427	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.860%
32) Benzene-d6	5.971	84	247317	54.959	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.920%
36) 1,2-Dichloropropane-d6	7.306	67	77738	55.739	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	111.480%
41) Toluene-d8	8.647	98	226189	52.157	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.320%
43) trans-1,3-Dichloroprop...	8.946	79	39900	53.753	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	107.500%
47) 2-Hexanone-d5	9.378	63	84814	110.214	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.210%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	114335	54.755	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.500%
66) 1,2-Dichlorobenzene-d4	12.317	152	85228	53.093	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.180%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.167	85	4138	2.851	ug/L	91
3) Chloromethane	1.301	50	3679	2.916	ug/L	95
5) Vinyl chloride	1.374	62	4370	3.201	ug/L	93
6) Bromomethane	1.605	94	2370	3.270	ug/L	78
8) Chloroethane	1.685	64	2030	2.593	ug/L	94
9) Trichlorofluoromethane	1.886	101	5524	2.908	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	4164	3.696	ug/L #	84
12) 1,1-Dichloroethene	2.313	96	3671	3.703	ug/L #	1
13) Acetone	2.380	43	4427	5.667	ug/L	97
14) Carbon disulfide	2.514	76	8532	2.974	ug/L	100
15) Methyl Acetate	2.703	43	3762	2.853	ug/L	94
16) Methylene chloride	2.788	84	3739	3.425	ug/L	78
17) trans-1,2-Dichloroethene	3.087	96	2784	2.736	ug/L #	76
18) Methyl tert-butyl Ether	3.117	73	9600	2.728	ug/L #	92
19) 1,1-Dichloroethane	3.605	63	5780	2.923	ug/L	97
20) cis-1,2-Dichloroethene	4.489	96	3473	3.043	ug/L	81
22) 2-Butanone	4.568	43	5582	5.396	ug/L	92
23) Bromochloromethane	4.898	128	1755	3.015	ug/L #	82
25) Chloroform	5.087	83	9974	4.470	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
27) 1,2-Dichloroethane	6.092	62	6086	3.104	ug/L	#	95
29) Cyclohexane	5.471	56	5098	3.163	ug/L	#	48
30) 1,1,1-Trichloroethane	5.385	97	5361m	2.935	ug/L		
31) Carbon tetrachloride	5.672	117	4571	2.981	ug/L		97
33) Benzene	6.044	78	12205	3.098	ug/L		100
35) Methylcyclohexane	7.373	83	4929	2.900	ug/L		91
37) 1,2-Dichloropropane	7.434	63	3113	2.984	ug/L	#	88
38) Bromodichloromethane	7.824	83	4475	2.900	ug/L		98
39) cis-1,3-Dichloropropene	8.373	75	5020	2.858	ug/L		91
40) 4-Methyl-2-pentanone	8.574	43	9806	5.483	ug/L		99
42) Toluene	8.714	91	13661	3.160	ug/L		84
44) trans-1,3-Dichloropropene	8.976	75	4686	2.739	ug/L		99
45) 1,1,2-Trichloroethane	9.159	97	3175	2.948	ug/L		87
46) Tetrachloroethene	9.275	164	2772	3.319	ug/L		91
48) 2-Hexanone	9.427	43	8442	5.697	ug/L		98
49) Dibromochloromethane	9.525	129	3252	2.890	ug/L		98
50) 1,2-Dibromoethane	9.610	107	3430	2.962	ug/L	#	92
51) Chlorobenzene	10.080	112	8182	2.922	ug/L		94
52) Ethylbenzene	10.195	91	14040	2.764	ug/L		98
53) m,p-Xylene	10.305	106	5009	2.712	ug/L		98
54) o-Xylene	10.640	106	4976	2.807	ug/L		97
55) Styrene	10.659	104	8755	2.834	ug/L		98
57) 1,1,2,2-Tetrachloroethane	11.207	83	5890	3.319	ug/L		96
59) Bromoform	10.799	173	2279	2.564	ug/L		95
60) Isopropylbenzene	10.964	105	14338	2.786	ug/L		99
61) 1,2,3-Trichloropropane	11.238	75	4463	2.922	ug/L		97
62) 1,3,5-Trimethylbenzene	11.451	105	11579	2.714	ug/L		94
63) 1,2,4-Trimethylbenzene	11.750	105	11285	2.645	ug/L		97
64) 1,3-Dichlorobenzene	11.969	146	6551	2.908	ug/L		90
65) 1,4-Dichlorobenzene	12.043	146	7190	3.138	ug/L		93
67) 1,2-Dichlorobenzene	12.335	146	6640	3.100	ug/L		98
68) 1,2-Dibromo-3-chloropr...	12.939	75	1076	2.407	ug/L	#	92
69) 1,3,5-Trichlorobenzene	13.116	180	4360	2.883	ug/L		98
70) 1,2,4-trichlorobenzene	13.585	180	3737	2.665	ug/L		97
71) Naphthalene	13.774	128	10866	2.438	ug/L		98
72) 1,2,3-Trichlorobenzene	13.963	180	3804	2.754	ug/L		96

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

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