

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020623\
 Data File : VX034022.D
 Acq On : 06 Feb 2023 12:59
 Operator : JC/MD
 Sample : 01378-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-02

Quant Time: Feb 07 03:43:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM020223WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 07 03:27:39 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone

02/07/2023
 Supervised By :Mahesh
 Dadoda

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	178976	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	156066	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	83868	50.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.368	65	42236	35.434	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.860%
7) Chloroethane-d5	1.666	69	31792	43.934	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.860%
11) 1,1-Dichloroethene-d2	2.306	63	69301	31.730	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.460%
21) 2-Butanone-d5	4.446	46	73590	107.683	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.680%
24) Chloroform-d	5.056	84	96670	45.213	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.420%
26) 1,2-Dichloroethane-d4	5.952	65	61560	47.719	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.440%
32) Benzene-d6	5.970	84	200998	44.929	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.860%
36) 1,2-Dichloropropane-d6	7.306	67	62103	46.955	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.900%
41) Toluene-d8	8.647	98	188265	44.362	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.720%
43) trans-1,3-Dichloroprop...	8.952	79	26531	44.203	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.400%
47) 2-Hexanone-d5	9.384	63	53376	107.617	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.620%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	86025	51.870	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.740%
66) 1,2-Dichlorobenzene-d4	12.317	152	82919	49.395	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.800%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.166	85	2912m	2.187	ug/L
3) Chloromethane	1.294	50	2450	2.016	ug/L
5) Vinyl chloride	1.374	62	2518	2.049	ug/L #
6) Bromomethane	1.611	94	1491	2.340	ug/L
8) Chloroethane	1.691	64	1424	2.180	ug/L
9) Trichlorofluoromethane	1.892	101	3971	2.280	ug/L
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	3489	2.896	ug/L #
12) 1,1-Dichloroethene	2.319	96	2951	2.678	ug/L #
13) Acetone	2.374	43	3419	4.863	ug/L
14) Carbon disulfide	2.514	76	6275	2.104	ug/L
15) Methyl Acetate	2.703	43	2568	2.293	ug/L
16) Methylene chloride	2.788	84	3424	2.934	ug/L
17) trans-1,2-Dichloroethene	3.093	96	2458	2.161	ug/L
18) Methyl tert-butyl Ether	3.111	73	7356	2.221	ug/L
19) 1,1-Dichloroethane	3.611	63	4146	2.088	ug/L
20) cis-1,2-Dichloroethene	4.483	96	3041	2.339	ug/L
22) 2-Butanone	4.562	43	4090	4.682	ug/L #
23) Bromochloromethane	4.891	128	1495m	2.095	ug/L
25) Chloroform	5.093	83	5287	2.579	ug/L

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27) 1,2-Dichloroethane	6.092	62	3509	2.230	ug/L	97
29) Cyclohexane	5.471	56	3966	2.078	ug/L #	93
30) 1,1,1-Trichloroethane	5.391	97	3858m	2.187	ug/L	
31) Carbon tetrachloride	5.678	117	3357	2.046	ug/L	97
33) Benzene	6.038	78	10082	2.172	ug/L	100
35) Methylcyclohexane	7.379	83	4623	2.305	ug/L	97
37) 1,2-Dichloropropane	7.434	63	2512	2.125	ug/L #	85
38) Bromodichloromethane	7.824	83	3046	2.027	ug/L #	82
39) cis-1,3-Dichloropropene	8.366	75	3783	2.085	ug/L	94
40) 4-Methyl-2-pentanone	8.574	43	6247	4.295	ug/L	99
42) Toluene	8.720	91	10860	2.188	ug/L	97
44) trans-1,3-Dichloropropene	8.976	75	3426m	2.122	ug/L	
45) 1,1,2-Trichloroethane	9.153	97	2782	2.325	ug/L	97
46) Tetrachloroethene	9.275	164	2746	2.274	ug/L	96
48) 2-Hexanone	9.433	43	5921m	5.108	ug/L	
49) Dibromochloromethane	9.519	129	2623	2.032	ug/L	97
50) 1,2-Dibromoethane	9.610	107	2815	2.189	ug/L	99
51) Chlorobenzene	10.079	112	7609	2.269	ug/L	98
52) Ethylbenzene	10.195	91	11622	2.130	ug/L	95
53) m,p-Xylene	10.299	106	4746	2.167	ug/L	98
54) o-Xylene	10.640	106	4479	2.117	ug/L	97
55) Styrene	10.659	104	7207	2.030	ug/L	98
57) 1,1,2,2-Tetrachloroethane	11.213	83	4620	2.747	ug/L	93
59) Bromoform	10.799	173	2135	2.092	ug/L	99
60) Isopropylbenzene	10.963	105	11761	2.146	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	2925	2.297	ug/L	93
62) 1,3,5-Trimethylbenzene	11.451	105	9329	2.080	ug/L	99
63) 1,2,4-Trimethylbenzene	11.750	105	8962	2.027	ug/L	96
64) 1,3-Dichlorobenzene	11.969	146	6176	2.267	ug/L	95
65) 1,4-Dichlorobenzene	12.043	146	6341	2.300	ug/L	93
67) 1,2-Dichlorobenzene	12.335	146	6215	2.333	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	650m	2.084	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	4248	2.068	ug/L	94
70) 1,2,4-trichlorobenzene	13.591	180	3862	2.071	ug/L	98
71) Naphthalene	13.780	128	10515	2.036	ug/L	99
72) 1,2,3-Trichlorobenzene	13.963	180	3722	2.021	ug/L	96

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

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