

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041123\
 Data File : VX035002.D
 Acq On : 11 Apr 2023 11:28
 Operator : JC/MD
 Sample : 02215-06
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Apr 12 02:04:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML041023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Apr 12 01:54:54 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 04/12/2023
 Supervised By :Semsettin Yesilyurt 04/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.757	114	415300	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	363178	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	170855	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	131838	47.661	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.320%
7) Chloroethane-d5	1.672	69	107354	52.987	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.980%
11) 1,1-Dichloroethene-d2	2.306	63	207291	36.969	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.940%
21) 2-Butanone-d5	4.471	46	211682	115.141	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.140%
24) Chloroform-d	5.056	84	267164	50.683	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.360%
26) 1,2-Dichloroethane-d4	5.952	65	188411	52.068	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.140%
32) Benzene-d6	5.970	84	537467	53.013	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.020%
36) 1,2-Dichloropropane-d6	7.306	67	167964	53.855	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.700%
41) Toluene-d8	8.647	98	476892	51.356	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.720%
43) trans-1,3-Dichloroprop...	8.952	79	66604	46.504	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.000%
47) 2-Hexanone-d5	9.384	63	137740	110.497	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	110.500%
56) 1,1,2,2-Tetrachloroeth...	11.189	84	208771	53.865	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.720%
66) 1,2-Dichlorobenzene-d4	12.317	152	173110	55.216	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	110.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	7029	1.949	ug/L	97
3) Chloromethane	1.294	50	7079	2.088	ug/L	94
5) Vinyl chloride	1.374	62	7172	2.087	ug/L #	70
6) Bromomethane	1.618	94	4183	2.154	ug/L	98
8) Chloroethane	1.691	64	4199	2.172	ug/L	98
9) Trichlorofluoromethane	1.892	101	8757	1.832	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	7760	2.616	ug/L	85
12) 1,1-Dichloroethene	2.319	96	6347	2.404	ug/L #	1
13) Acetone	2.404	43	8007	4.405	ug/L	74
14) Carbon disulfide	2.514	76	11082	1.561	ug/L	99
15) Methyl Acetate	2.715	43	6204	1.989	ug/L #	86
16) Methylene chloride	2.788	84	6764	2.335	ug/L	93
17) trans-1,2-Dichloroethene	3.093	96	5079	1.871	ug/L	92
18) Methyl tert-butyl Ether	3.117	73	19064	2.009	ug/L	98
19) 1,1-Dichloroethane	3.611	63	10572	1.955	ug/L	97
20) cis-1,2-Dichloroethene	4.483	96	6243	2.010	ug/L	87
22) 2-Butanone	4.593	43	10299m	4.435	ug/L	
23) Bromochloromethane	4.904	128	3228	2.101	ug/L	86
25) Chloroform	5.099	83	15070	2.718	ug/L	95

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	9551	2.034	ug/L	99
29) Cyclohexane	5.471	56	9344	1.871	ug/L	94
30) 1,1,1-Trichloroethane	5.385	97	8778	1.828	ug/L	98
31) Carbon tetrachloride	5.672	117	6878	1.662	ug/L	94
33) Benzene	6.037	78	23568	2.035	ug/L	100
34) Trichloroethene	7.129	95	6263	2.006	ug/L	94
35) Methylcyclohexane	7.379	83	9172	2.037	ug/L	97
37) 1,2-Dichloropropane	7.427	63	6133	1.998	ug/L #	95
38) Bromodichloromethane	7.818	83	6533	1.682	ug/L	98
39) cis-1,3-Dichloropropene	8.366	75	8663	1.847	ug/L	98
40) 4-Methyl-2-pentanone	8.574	43	15657	3.839	ug/L	100
42) Toluene	8.720	91	24142	2.013	ug/L	100
44) trans-1,3-Dichloropropene	8.982	75	7861	1.820	ug/L	94
45) 1,1,2-Trichloroethane	9.153	97	5787	2.022	ug/L	92
46) Tetrachloroethene	9.275	164	4867	2.092	ug/L	89
48) 2-Hexanone	9.433	43	14005	4.381	ug/L	97
49) Dibromochloromethane	9.519	129	4907	1.743	ug/L	96
50) 1,2-Dibromoethane	9.610	107	5788	1.927	ug/L	93
51) Chlorobenzene	10.079	112	15786	2.042	ug/L	94
52) Ethylbenzene	10.195	91	26873	1.974	ug/L	94
53) m,p-Xylene	10.299	106	9366	1.826	ug/L	96
54) o-Xylene	10.640	106	9482	1.876	ug/L	92
55) Styrene	10.653	104	15096	1.782	ug/L	93
57) 1,1,2,2-Tetrachloroethane	11.213	83	9774	2.300	ug/L	95
59) Bromoform	10.799	173	2979	1.635	ug/L #	93
60) Isopropylbenzene	10.963	105	23302	1.868	ug/L	97
61) 1,2,3-Trichloropropane	11.238	75	7353	2.244	ug/L	96
62) 1,3,5-Trimethylbenzene	11.451	105	19154	1.851	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	18839	1.844	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	11231	2.021	ug/L	96
65) 1,4-Dichlorobenzene	12.043	146	11688	2.080	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	11878	2.169	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.945	75	1409	1.680	ug/L	91
69) 1,3,5-Trichlorobenzene	13.116	180	6928	1.993	ug/L	99
70) 1,2,4-trichlorobenzene	13.591	180	6084	1.881	ug/L	96
71) Naphthalene	13.780	128	19982	1.808	ug/L	98
72) 1,2,3-Trichlorobenzene	13.963	180	6190	1.906	ug/L	97

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

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