

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021422\
 Data File : VX027021.D
 Acq On : 14 Feb 2022 18:23
 Operator : JC/MD
 Sample : N1331-05
 Misc : 5.00g/5.0mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01

Quant Time: Feb 15 05:51:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Feb 15 05:10:18 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/15/2022
 Supervised By : Mahesh Dadoda 02/16/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	130804	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	124438	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	60141	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	49422	42.566	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.140%
7) Chloroethane-d5	1.672	69	36357	48.802	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.600%
11) 1,1-Dichloroethene-d2	2.313	63	78085	35.075	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.140%
21) 2-Butanone-d5	4.459	46	83982	104.132	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.130%
24) Chloroform-d	5.062	84	100532	46.107	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.220%
26) 1,2-Dichloroethane-d4	5.958	65	66920	47.357	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.720%
32) Benzene-d6	5.977	84	206904	46.156	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.320%
36) 1,2-Dichloropropane-d6	7.312	67	62924	47.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.520%
41) Toluene-d8	8.653	98	187514	45.719	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.440%
43) trans-1,3-Dichloroprop...	8.952	79	25904	42.666	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.340%
47) 2-Hexanone-d5	9.384	63	58651	101.882	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.880%
56) 1,1,2,2-Tetrachloroeth...	11.195	84	78382	49.808	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.620%
66) 1,2-Dichlorobenzene-d4	12.323	152	66862	48.943	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.173	85	3081	2.194	ug/L	96
3) Chloromethane	1.294	50	2508	2.270	ug/L	98
5) Vinyl chloride	1.374	62	2592	2.333	ug/L #	62
6) Bromomethane	1.618	94	1161	2.457	ug/L	93
8) Chloroethane	1.691	64	1363	2.270	ug/L	97
9) Trichlorofluoromethane	1.892	101	3216	2.081	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	2939	2.950	ug/L #	77
12) 1,1-Dichloroethene	2.325	96	2521	2.755	ug/L #	1
13) Acetone	2.386	43	2871	4.230	ug/L	100
14) Carbon disulfide	2.514	76	5327	1.965	ug/L	96
15) Methyl Acetate	2.709	43	2482	2.367	ug/L	99
16) Methylene chloride	2.794	84	2477	2.471	ug/L	98
17) trans-1,2-Dichloroethene	3.093	96	2147	2.217	ug/L	93
18) Methyl tert-butyl Ether	3.111	73	6447	2.169	ug/L	100
19) 1,1-Dichloroethane	3.617	63	3651	2.114	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	2323	2.186	ug/L	93
22) 2-Butanone	4.562	43	3918	4.507	ug/L	93
23) Bromochloromethane	4.904	128	1189	2.191	ug/L	91
25) Chloroform	5.099	83	5385	2.915	ug/L	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	6.086	62	3320	2.323	ug/L	99
29) Cyclohexane	5.483	56	3684m	2.159	ug/L	
30) 1,1,1-Trichloroethane	5.391	97	3247	2.005	ug/L #	88
31) Carbon tetrachloride	5.684	117	2766	1.926	ug/L #	67
33) Benzene	6.038	78	9019	2.243	ug/L	100
34) Trichloroethene	7.129	95	2287	1.988	ug/L	92
35) Methylcyclohexane	7.379	83	3573	2.056	ug/L	97
37) 1,2-Dichloropropane	7.440	63	2190	2.166	ug/L #	85
38) Bromodichloromethane	7.830	83	2541	1.872	ug/L	99
39) cis-1,3-Dichloropropene	8.372	75	3105	2.049	ug/L	96
40) 4-Methyl-2-pentanone	8.574	43	6188	4.305	ug/L	99
42) Toluene	8.720	91	12219	2.830	ug/L	91
44) trans-1,3-Dichloropropene	8.982	75	3658m	2.568	ug/L	
45) 1,1,2-Trichloroethane	9.153	97	2055	2.078	ug/L	98
46) Tetrachloroethene	9.275	164	1861	2.185	ug/L	91
48) 2-Hexanone	9.433	43	6038	5.188	ug/L	99
49) Dibromochloromethane	9.525	129	2030	1.872	ug/L	97
50) 1,2-Dibromoethane	9.616	107	2152	2.073	ug/L #	98
51) Chlorobenzene	10.079	112	5812	2.102	ug/L	93
52) Ethylbenzene	10.195	91	10015	2.157	ug/L	96
53) m,p-Xylene	10.305	106	3862	2.110	ug/L	96
54) o-Xylene	10.640	106	3562	2.034	ug/L	90
55) Styrene	10.659	104	5959	2.009	ug/L	91
57) 1,1,2,2-Tetrachloroethane	11.213	83	3272	2.499	ug/L #	93
59) Bromoform	10.799	173	1242	1.800	ug/L #	97
60) Isopropylbenzene	10.963	105	9085	2.091	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	2625	2.301	ug/L	93
62) 1,3,5-Trimethylbenzene	11.451	105	6181	2.062	ug/L	100
63) 1,2,4-Trimethylbenzene	11.756	105	7787	2.139	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	4204	2.175	ug/L	90
65) 1,4-Dichlorobenzene	12.043	146	4614	2.372	ug/L	94
67) 1,2-Dichlorobenzene	12.335	146	4548	2.434	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.945	75	547m	1.975	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	2781	2.094	ug/L	96
70) 1,2,4-trichlorobenzene	13.585	180	2384	2.033	ug/L	99
71) Naphthalene	13.774	128	7187	1.841	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	2244	1.914	ug/L	96

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

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