

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021522\
 Data File : VX027029.D
 Acq On : 15 Feb 2022 13:18
 Operator : JC/MD
 Sample : N1331-06
 Misc : 5.00g/5.00mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-02

Quant Time: Feb 16 03:00:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML021422WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 16 01:34:21 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John
 Carlone
 02/16/2022

Supervised By :Semsetun
 Yesilyurt
 02/17/2022

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	121253	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	114953	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	57087	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	45608	42.376	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	84.760%		
7) Chloroethane-d5	1.673	69	35549	51.476	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	102.960%		
11) 1,1-Dichloroethene-d2	2.313	63	74058	35.886	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	71.780%		
21) 2-Butanone-d5	4.453	46	77562	103.747	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	103.750%		
24) Chloroform-d	5.062	84	97651	48.314	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.620%		
26) 1,2-Dichloroethane-d4	5.958	65	64375	49.144	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.280%		
32) Benzene-d6	5.977	84	197235	47.629	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.260%		
36) 1,2-Dichloropropane-d6	7.312	67	60954	49.553	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.100%		
41) Toluene-d8	8.647	98	177639	46.885	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.760%		
43) trans-1,3-Dichloroprop...	8.952	79	25574	45.599	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.200%		
47) 2-Hexanone-d5	9.385	63	55690	104.720	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	104.720%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	77132	53.058	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	106.120%		
66) 1,2-Dichlorobenzene-d4	12.323	152	66527	51.303	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.600%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	3041	2.337	ug/L	97
3) Chloromethane	1.295	50	2492	2.433	ug/L	90
5) Vinyl chloride	1.380	62	2536	2.463	ug/L #	75
6) Bromomethane	1.612	94	1129	2.577	ug/L	87
8) Chloroethane	1.691	64	1469	2.639	ug/L	94
9) Trichlorofluoromethane	1.892	101	3252	2.270	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.337	101	2867	3.104	ug/L #	81
12) 1,1-Dichloroethene	2.325	96	2500	2.947	ug/L #	1
13) Acetone	2.380	43	3121	4.960	ug/L	100
14) Carbon disulfide	2.520	76	5399	2.148	ug/L	97
15) Methyl Acetate	2.703	43	2436	2.506	ug/L	99
16) Methylene chloride	2.794	84	2391	2.573	ug/L	99
17) trans-1,2-Dichloroethene	3.093	96	1956	2.179	ug/L	93
18) Methyl tert-butyl Ether	3.111	73	6461	2.345	ug/L	99
19) 1,1-Dichloroethane	3.611	63	3858	2.410	ug/L	94
20) cis-1,2-Dichloroethene	4.495	96	2290	2.325	ug/L	93
22) 2-Butanone	4.568	43	4060	5.038	ug/L	85
23) Bromochloromethane	4.898	128	1208	2.401	ug/L #	96
25) Chloroform	5.093	83	5503	3.213	ug/L	99

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27) 1,2-Dichloroethane	6.092	62	3415	2.578	ug/L	99
29) Cyclohexane	5.477	56	3597	2.282	ug/L #	64
30) 1,1,1-Trichloroethane	5.385	97	3268	2.185	ug/L	98
31) Carbon tetrachloride	5.690	117	2814m	2.121	ug/L	
33) Benzene	6.038	78	8834	2.378	ug/L	100
34) Trichloroethene	7.123	95	2405	2.264	ug/L	93
35) Methylcyclohexane	7.379	83	3645	2.270	ug/L	97
37) 1,2-Dichloropropane	7.434	63	2370	2.537	ug/L #	85
38) Bromodichloromethane	7.824	83	2912	2.322	ug/L	96
39) cis-1,3-Dichloropropene	8.366	75	3028	2.163	ug/L	97
40) 4-Methyl-2-pentanone	8.574	43	6062	4.565	ug/L	99
42) Toluene	8.720	91	11526	2.890	ug/L	100
44) trans-1,3-Dichloropropene	8.982	75	2817	2.141	ug/L	95
45) 1,1,2-Trichloroethane	9.153	97	2158	2.363	ug/L	94
46) Tetrachloroethene	9.275	164	1866	2.372	ug/L	94
48) 2-Hexanone	9.433	43	6139	5.710	ug/L	93
49) Dibromochloromethane	9.525	129	2118	2.114	ug/L	98
50) 1,2-Dibromoethane	9.610	107	2168	2.261	ug/L	100
51) Chlorobenzene	10.080	112	5998	2.349	ug/L	96
52) Ethylbenzene	10.195	91	9785	2.281	ug/L	97
53) m,p-Xylene	10.305	106	3821	2.259	ug/L	97
54) o-Xylene	10.647	106	3541	2.189	ug/L	99
55) Styrene	10.659	104	5692	2.078	ug/L	99
57) 1,1,2,2-Tetrachloroethane	11.214	83	3370	2.786	ug/L #	96
59) Bromoform	10.799	173	1321	2.017	ug/L #	90
60) Isopropylbenzene	10.964	105	9345	2.266	ug/L	99
61) 1,2,3-Trichloropropane	11.238	75	2892	2.671	ug/L	94
62) 1,3,5-Trimethylbenzene	11.451	105	6164	2.167	ug/L	98
63) 1,2,4-Trimethylbenzene	11.756	105	7805	2.259	ug/L	99
64) 1,3-Dichlorobenzene	11.969	146	4448	2.424	ug/L	99
65) 1,4-Dichlorobenzene	12.043	146	4568	2.474	ug/L	97
67) 1,2-Dichlorobenzene	12.335	146	4462	2.515	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.945	75	517m	1.966	ug/L	
69) 1,3,5-Trichlorobenzene	13.116	180	2748	2.179	ug/L	98
70) 1,2,4-trichlorobenzene	13.591	180	2573	2.311	ug/L	92
71) Naphthalene	13.774	128	7403	1.997	ug/L	100
72) 1,2,3-Trichlorobenzene	13.963	180	2405	2.161	ug/L	100

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

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