

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110620\
 Data File : VV019262.D
 Acq On : 04 Nov 2020 23:33
 Operator : SY/MD
 Sample : L4485-20
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-ME-SOIL-06

Manual Integrations
 APPROVED

MMDadoda
 11/6/2020 11:03:46 AM

Quant Time: Nov 05 05:20:24 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 05 04:58:48 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	246607	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	238900	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	121185	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78186	41.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.16%
7) Chloroethane-d5	1.58	69	68409	45.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.74%
11) 1,1-Dichloroethene-d2	2.12	63	128759	36.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.08%
21) 2-Butanone-d5	3.91	46	112396	107.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.10%
24) Chloroform-d	4.37	84	161815	45.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.86%
26) 1,2-Dichloroethane-d4	5.05	65	117853	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.98%
32) Benzene-d6	5.07	84	303669	46.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.06%
36) 1,2-Dichloropropane-d6	6.09	67	93371	47.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.82%
41) Toluene-d8	7.34	98	272954	44.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.84%
43) trans-1,3-Dichloropropene-	7.64	79	49018	43.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.92%
47) 2-Hexanone-d5	8.11	63	70371	92.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.03%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	117026	44.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.18%
66) 1,2-Dichlorobenzene-d4	11.65	152	117119	48.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3763	2.491 ug/L	99
3) Chloromethane	1.25	50	3796	2.413 ug/L	94
5) Vinyl chloride	1.32	62	4375	2.672 ug/L #	74
6) Bromomethane	1.53	94	2880	2.617 ug/L	94
8) Chloroethane	1.60	64	2841	2.653 ug/L	92
9) Trichlorofluoromethane	1.77	101	7124	2.628 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4383	3.403 ug/L #	83
12) 1,1-Dichloroethene	2.13	96	4189	3.147 ug/L #	1
13) Acetone	2.19	43	3758	4.709 ug/L	88
14) Carbon disulfide	2.31	76	9183	2.402 ug/L	98
15) Methyl Acetate	2.45	43	3560	2.302 ug/L	91
16) Methylene chloride	2.53	84	4071	2.572 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	3488	2.415 ug/L	97
18) Methyl tert-butyl Ether	2.78	73	11602	2.285 ug/L	98
19) 1,1-Dichloroethane	3.21	63	6965	2.461 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	3975	2.491 ug/L	96
22) 2-Butanone	4.04	43	3790m	3.741 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.28	128	2007m	2.284	ug/L	
25) Chloroform	4.40	83	8807	2.903	ug/L	88
27) 1,2-Dichloroethane	5.17	62	6138m	2.380	ug/L	
29) Cyclohexane	4.70	56	5064	2.477	ug/L	93
30) 1,1,1-Trichloroethane	4.64	97	6599	2.382	ug/L	97
31) Carbon tetrachloride	4.86	117	5636	2.356	ug/L	100
33) Benzene	5.13	78	14040	2.365	ug/L	100
34) Trichloroethene	5.94	95	3887	2.409	ug/L	99
35) Methylcyclohexane	6.15	83	4993	2.557	ug/L	95
37) 1,2-Dichloropropane	6.21	63	4022	2.538	ug/L #	91
38) Bromodichloromethane	6.54	83	5103	2.238	ug/L #	94
39) cis-1,3-Dichloropropene	7.05	75	5562	2.194	ug/L	92
40) 4-Methyl-2-pentanone	7.25	43	8768	4.119	ug/L	98
42) Toluene	7.41	91	16705	2.603	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	5577	2.147	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	3750	2.394	ug/L	95
46) Tetrachloroethene	8.00	164	3077	2.337	ug/L	87
48) 2-Hexanone	8.16	43	9383	5.831	ug/L	96
49) Dibromochloromethane	8.27	129	4151	2.222	ug/L	93
50) 1,2-Dibromoethane	8.38	107	3610	2.224	ug/L #	97
51) Chlorobenzene	8.90	112	10460	2.437	ug/L	96
52) Ethylbenzene	9.04	91	15782	2.229	ug/L	97
53) m,p-Xylene	9.16	106	5815	2.194	ug/L	90
54) o-Xylene	9.56	106	5504	2.107	ug/L	95
55) Styrene	9.59	104	9093	1.955	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.26	83	5533	2.335	ug/L #	99
59) Bromoform	9.76	173	2709	2.014	ug/L	98
60) Isopropylbenzene	9.95	105	14123	2.224	ug/L	96
61) 1,2,3-Trichloropropane	10.30	75	4699	2.496	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	10644	2.012	ug/L	96
63) 1,2,4-Trimethylbenzene	10.94	105	10218	1.974	ug/L	97
64) 1,3-Dichlorobenzene	11.21	146	7610	2.291	ug/L	98
65) 1,4-Dichlorobenzene	11.30	146	8588	2.499	ug/L	96
67) 1,2-Dichlorobenzene	11.66	146	8744	2.573	ug/L	94
68) 1,2-Dibromo-3-chloropropan	12.46	75	1158	2.108	ug/L	88
69) 1,3,5-Trichlorobenzene	12.67	180	5513	2.312	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	4263	1.900	ug/L	96
71) Naphthalene	13.53	128	9332	1.475	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	4517	2.031	ug/L	94

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

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