

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019221.D
 Acq On : 03 Nov 2020 00:53
 Operator : SY/MD
 Sample : L4485-16
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-ME-SOIL-02

Manual Integrations
 APPROVED

MMDadoda
 11/4/2020 10:44:58 AM

Quant Time: Nov 03 06:26:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 05:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	231508	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	221045	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	112050	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86656	48.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.00%
7) Chloroethane-d5	1.58	69	75115	53.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.30%
11) 1,1-Dichloroethene-d2	2.12	63	137114	41.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.90%
21) 2-Butanone-d5	3.91	46	110734	112.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.40%
24) Chloroform-d	4.38	84	169493	50.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.38%
26) 1,2-Dichloroethane-d4	5.06	65	121221	52.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.06%
32) Benzene-d6	5.08	84	318701	52.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.44%
36) 1,2-Dichloropropane-d6	6.09	67	96403	52.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.80%
41) Toluene-d8	7.34	98	285129	50.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.30%
43) trans-1,3-Dichloropropene-	7.64	79	52100	50.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.98%
47) 2-Hexanone-d5	8.11	63	72236	102.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.11%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	119513	49.22	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.44%
66) 1,2-Dichlorobenzene-d4	11.65	152	118790	52.99	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.98%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	3483	2.456	ug/L	96
3) Chloromethane	1.25	50	4003	2.711	ug/L	99
5) Vinyl chloride	1.32	62	4404	2.865	ug/L #	60
6) Bromomethane	1.53	94	3058	2.960	ug/L	97
8) Chloroethane	1.60	64	3146	3.129	ug/L	92
9) Trichlorofluoromethane	1.77	101	6575	2.584	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4298	3.554	ug/L #	75
12) 1,1-Dichloroethene	2.13	96	4077	3.262	ug/L #	1
13) Acetone	2.19	43	4389	5.858	ug/L	94
14) Carbon disulfide	2.31	76	9614	2.679	ug/L	100
15) Methyl Acetate	2.46	43	3914	2.696	ug/L #	88
16) Methylene chloride	2.53	84	4278	2.879	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	3481	2.567	ug/L	96
18) Methyl tert-butyl Ether	2.79	73	12295	2.580	ug/L	99
19) 1,1-Dichloroethane	3.22	63	7231	2.722	ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	4138m	2.762	ug/L	
22) 2-Butanone	4.02	43	5313m	5.587	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2048	2.482	ug/L #	85
25) Chloroform	4.40	83	8998	3.159	ug/L	89
27) 1,2-Dichloroethane	5.16	62	6904	2.852	ug/L	97
29) Cyclohexane	4.71	56	4582	2.422	ug/L #	89
30) 1,1,1-Trichloroethane	4.63	97	6228	2.429	ug/L	93
31) Carbon tetrachloride	4.86	117	5398	2.439	ug/L	100
33) Benzene	5.13	78	14186	2.582	ug/L	100
34) Trichloroethene	5.94	95	4021	2.693	ug/L	96
35) Methylcyclohexane	6.15	83	4201	2.325	ug/L	96
37) 1,2-Dichloropropane	6.20	63	3124	2.131	ug/L #	91
38) Bromodichloromethane	6.54	83	5678	2.691	ug/L #	92
39) cis-1,3-Dichloropropene	7.06	75	6049	2.579	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	9356	4.750	ug/L	99
42) Toluene	7.41	91	17320	2.917	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	6318	2.628	ug/L	99
45) 1,1,2-Trichloroethane	7.87	97	3682	2.541	ug/L	95
46) Tetrachloroethene	8.00	164	2976	2.443	ug/L	89
48) 2-Hexanone	8.16	43	9914	6.658	ug/L	98
49) Dibromochloromethane	8.27	129	4191	2.425	ug/L	100
50) 1,2-Dibromoethane	8.38	107	4129	2.749	ug/L #	95
51) Chlorobenzene	8.90	112	10136	2.552	ug/L	99
52) Ethylbenzene	9.04	91	15504	2.367	ug/L	95
53) m,p-Xylene	9.16	106	5875	2.395	ug/L	83
54) o-Xylene	9.57	106	5353	2.214	ug/L	90
55) Styrene	9.59	104	8918	2.072	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.26	83	5853	2.670	ug/L #	94
59) Bromoform	9.76	173	3181	2.558	ug/L	98
60) Isopropylbenzene	9.96	105	13779	2.346	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	4791	2.752	ug/L	98
62) 1,3,5-Trimethylbenzene	10.56	105	11009	2.251	ug/L	98
63) 1,2,4-Trimethylbenzene	10.94	105	10424	2.178	ug/L	99
64) 1,3-Dichlorobenzene	11.21	146	8074	2.628	ug/L	99
65) 1,4-Dichlorobenzene	11.30	146	8363	2.632	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	8608	2.739	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	1390	2.737	ug/L	96
69) 1,3,5-Trichlorobenzene	12.67	180	5244	2.378	ug/L	99
70) 1,2,4-trichlorobenzene	13.29	180	4351	2.097	ug/L	94
71) Naphthalene	13.53	128	10039	1.716	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	4710	2.290	ug/L	93

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

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