

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
 Data File : VV019308.D
 Acq On : 09 Nov 2020 17:35
 Operator : SY/MD
 Sample : L4485-18
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-04

Quant Time: Nov 10 13:11:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 06:58:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	259488	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	249822	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	127472	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	76070	37.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.98%
7) Chloroethane-d5	1.58	69	69783	44.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.94%
11) 1,1-Dichloroethene-d2	2.12	63	125897	33.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.92%
21) 2-Butanone-d5	3.91	46	127652	115.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.60%
24) Chloroform-d	4.37	84	165771	44.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.46%
26) 1,2-Dichloroethane-d4	5.06	65	118117	45.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.46%
32) Benzene-d6	5.07	84	306191	44.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.78%
36) 1,2-Dichloropropane-d6	6.09	67	101927	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.98%
41) Toluene-d8	7.34	98	273343	42.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.08%
43) trans-1,3-Dichloropropene-	7.64	79	51245	43.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.88%
47) 2-Hexanone-d5	8.11	63	75793	94.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.79%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	127284	46.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.76%
66) 1,2-Dichlorobenzene-d4	11.65	152	119274	46.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.54%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	3266	2.054	ug/L	97
3) Chloromethane	1.25	50	4468	2.699	ug/L	97
5) Vinyl chloride	1.32	62	4593	2.666	ug/L #	59
6) Bromomethane	1.53	94	3012	2.601	ug/L	96
8) Chloroethane	1.60	64	3157	2.801	ug/L	98
9) Trichlorofluoromethane	1.77	101	7580	2.657	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4765	3.516	ug/L #	82
12) 1,1-Dichloroethene	2.13	96	4555	3.252	ug/L #	1
13) Acetone	2.20	43	5146	6.128	ug/L	99
14) Carbon disulfide	2.31	76	9586	2.383	ug/L	96
15) Methyl Acetate	2.46	43	4433	2.725	ug/L #	83
16) Methylene chloride	2.52	84	4375	2.627	ug/L	95
17) trans-1,2-Dichloroethene	2.78	96	3501	2.304	ug/L	94
18) Methyl tert-butyl Ether	2.79	73	12218	2.287	ug/L	97
19) 1,1-Dichloroethane	3.22	63	7574	2.544	ug/L	98
20) cis-1,2-Dichloroethene	3.94	96	4083	2.431	ug/L	92
22) 2-Butanone	4.04	43	5592m	5.246	ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	2096	2.267	ug/L	94
25) Chloroform	4.40	83	9220	2.888	ug/L	93
27) 1,2-Dichloroethane	5.17	62	6882	2.536	ug/L #	90
29) Cyclohexane	4.70	56	5036	2.356	ug/L	98
30) 1,1,1-Trichloroethane	4.64	97	7118	2.457	ug/L	99
31) Carbon tetrachloride	4.86	117	6325	2.528	ug/L	97
33) Benzene	5.13	78	16114	2.595	ug/L	100
34) Trichloroethene	5.94	95	4639	2.749	ug/L	96
35) Methylcyclohexane	6.15	83	5257	2.574	ug/L	96
37) 1,2-Dichloropropane	6.20	63	3953	2.386	ug/L #	88
38) Bromodichloromethane	6.54	83	5454	2.287	ug/L	85
39) cis-1,3-Dichloropropene	7.06	75	6333m	2.389	ug/L	
40) 4-Methyl-2-pentanone	7.25	43	9962	4.475	ug/L	98
42) Toluene	7.41	91	17846	2.659	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	6613	2.434	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	3866	2.361	ug/L	96
46) Tetrachloroethene	8.00	164	3534	2.567	ug/L	93
48) 2-Hexanone	8.16	43	13039m	7.748	ug/L	
49) Dibromochloromethane	8.27	129	4340	2.222	ug/L	94
50) 1,2-Dibromoethane	8.38	107	4155	2.448	ug/L	98
51) Chlorobenzene	8.90	112	10637	2.370	ug/L	91
52) Ethylbenzene	9.04	91	16464	2.224	ug/L	93
53) m,p-Xylene	9.16	106	6266	2.261	ug/L	85
54) o-Xylene	9.57	106	5803	2.124	ug/L	82
55) Styrene	9.59	104	9278	1.908	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	6013	2.427	ug/L	97
59) Bromoform	9.76	173	3254	2.300	ug/L #	95
60) Isopropylbenzene	9.95	105	15031	2.250	ug/L	98
61) 1,2,3-Trichloropropane	10.29	75	5257	2.655	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	11468	2.061	ug/L	98
63) 1,2,4-Trimethylbenzene	10.94	105	10703	1.966	ug/L	96
64) 1,3-Dichlorobenzene	11.21	146	8271	2.367	ug/L	96
65) 1,4-Dichlorobenzene	11.30	146	9322	2.578	ug/L	95
67) 1,2-Dichlorobenzene	11.67	146	9121	2.551	ug/L #	89
68) 1,2-Dibromo-3-chloropropan	12.45	75	1234	2.136	ug/L	90
69) 1,3,5-Trichlorobenzene	12.67	180	5857	2.335	ug/L	97
70) 1,2,4-trichlorobenzene	13.29	180	4864	2.061	ug/L	94
71) Naphthalene	13.53	128	10209	1.534	ug/L	98
72) 1,2,3-Trichlorobenzene	13.77	180	4652	1.988	ug/L	94

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

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