

Data File : VV013471.D
Acq On : 01 Nov 2019 16:18
Operator : SY/MD
Sample : MDL05
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL05

Manual Integrations
APPROVED

MMDadoda
11/4/2019 12:38:44 PM

Quant Time: Nov 02 03:40:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM110119S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 02 04:24:53 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	656546	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	631845	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	320605	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	244803	26.48	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.92%
7) Chloroethane-d5	1.58	69	184827	27.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.60%
10) 1,1-Dichloroethene-d2	2.13	63	314514	19.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.24%
20) 2-Butanone-d5	3.95	46	210757	48.60	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.20%
24) Chloroform-d	4.40	84	440193	23.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.68%
26) 1,2-Dichloroethane-d4	5.08	65	263877	24.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.16%
29) Benzene-d6	5.09	84	940370	25.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.40%
33) 1,2-Dichloropropane-d6	6.11	67	285145	25.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.76%
37) Toluene-d8	7.36	98	851144	25.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.44%
38) trans-1,3-Dichloropropene-	7.66	79	118827	24.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.60%
39) 2-Hexanone-d5	8.13	63	112482	46.47	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.94%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	241603	23.30	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	326972	26.10	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	13413	1.310 ug/L	98
3) Chloromethane	1.25	50	12276	1.176 ug/L	91
5) Vinyl chloride	1.32	62	13179m	1.290 ug/L	
6) Bromomethane	1.54	94	6297	1.311 ug/L	95
8) Chloroethane	1.60	64	7151	1.261 ug/L	86
9) Trichlorofluoromethane	1.77	101	17127	1.224 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	13021	1.559 ug/L #	79
12) 1,1-Dichloroethene	2.14	96	12033m	1.524 ug/L	
13) Acetone	2.22	43	21776	4.296 ug/L	71
14) Carbon disulfide	2.32	76	35125	1.147 ug/L	100
15) Methyl Acetate	2.47	43	10346m	1.356 ug/L	
16) Methylene chloride	2.53	84	28045	2.295 ug/L	100
17) Methyl tert-butyl Ether	2.80	73	27308	1.054 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	12113	1.151 ug/L	93
19) 1,1-Dichloroethane	3.23	63	23176	1.208 ug/L	99
21) 2-Butanone	4.06	43	14708m	2.813 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	11856	1.072 ug/L	81

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	6255	1.178	ug/L	92
25) Chloroform	4.42	83	36153	1.840	ug/L	88
27) 1,2-Dichloroethane	5.18	62	17001	1.246	ug/L	96
30) Cyclohexane	4.72	56	19107	1.120	ug/L	97
31) 1,1,1-Trichloroethane	4.65	97	18313m	1.142	ug/L	
32) Carbon tetrachloride	4.88	117	16865	1.181	ug/L	95
34) Benzene	5.15	78	46144	1.113	ug/L	100
35) Trichloroethene	5.96	95	13938	1.246	ug/L	97
36) Methylcyclohexane	6.17	83	19938	1.138	ug/L	97
40) 1,2-Dichloropropane	6.22	63	10666	1.022	ug/L #	88
41) Bromodichloromethane	6.55	83	15584	1.160	ug/L #	97
42) cis-1,3-Dichloropropene	7.07	75	16493	1.066	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	24806	2.575	ug/L #	93
44) Toluene	7.43	91	50273	1.187	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	13386	1.009	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	9501	1.136	ug/L	89
47) Tetrachloroethene	8.02	164	11062	1.166	ug/L	97
49) 2-Hexanone	8.19	43	25862	3.687	ug/L #	95
50) Dibromochloromethane	8.29	129	10049	1.005	ug/L	99
51) 1,2-Dibromoethane	8.39	107	9341	1.080	ug/L	91
52) Chlorobenzene	8.92	112	32676	1.140	ug/L	98
53) Ethylbenzene	9.05	91	49890	1.069	ug/L	96
54) m,p-Xylene	9.18	106	17972	1.024	ug/L	93
55) o-xylene	9.59	106	17067	1.028	ug/L	91
56) Styrene	9.60	104	26962	0.937	ug/L	97
57) Isopropylbenzene	9.97	105	42582	0.951	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.28	83	13652	1.272	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	10747	1.195	ug/L	97
62) Bromoform	9.78	173	6900	1.086	ug/L #	95
63) 1,3-Dichlorobenzene	11.23	146	25553	1.154	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	28990	1.281	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	26407	1.284	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.47	75	2314	1.223	ug/L	81
67) 1,3,5-Trichlorobenzene	12.69	180	23142	1.322	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	18381	1.232	ug/L	96
69) Naphthalene	13.55	128	29379	1.018	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	16459	1.179	ug/L	98

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

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