

Data File : VV013473.D
Acq On : 01 Nov 2019 17:13
Operator : SY/MD
Sample : MDL07
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL07

Manual Integrations
APPROVED

MMDadoda
11/4/2019 12:38:54 PM

Quant Time: Nov 02 03:44:46 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	660049	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	643359	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	323222	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	236356	25.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.72%
7) Chloroethane-d5	1.58	69	183774	27.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.40%
10) 1,1-Dichloroethene-d2	2.13	63	303255	18.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.04%
20) 2-Butanone-d5	3.95	46	229169	52.56	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.12%
24) Chloroform-d	4.40	84	450986	24.13	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.52%
26) 1,2-Dichloroethane-d4	5.08	65	275209	25.72	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.88%
29) Benzene-d6	5.09	84	954735	25.28	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.12%
33) 1,2-Dichloropropane-d6	6.11	67	293116	25.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.76%
37) Toluene-d8	7.35	98	828150	24.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.88%
38) trans-1,3-Dichloropropene-	7.66	79	120284	24.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.04%
39) 2-Hexanone-d5	8.13	63	124775	50.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.26%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	260750	24.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	324142	25.66	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11850	1.151 ug/L	97
3) Chloromethane	1.25	50	11226	1.070 ug/L	83
5) Vinyl chloride	1.32	62	11631	1.132 ug/L #	60
6) Bromomethane	1.53	94	6131	1.270 ug/L	90
8) Chloroethane	1.60	64	6263	1.098 ug/L	97
9) Trichlorofluoromethane	1.77	101	14571	1.036 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11687	1.392 ug/L #	83
12) 1,1-Dichloroethene	2.13	96	10913m	1.375 ug/L	
13) Acetone	2.22	43	21786	4.275 ug/L	71
14) Carbon disulfide	2.32	76	30978	1.006 ug/L	97
15) Methyl Acetate	2.47	43	7277	0.949 ug/L #	89
16) Methylene chloride	2.53	84	26138	2.128 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	26068	1.001 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	11113	1.050 ug/L	92
19) 1,1-Dichloroethane	3.23	63	19272	0.999 ug/L	97
21) 2-Butanone	4.06	43	12706m	2.417 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	11210	1.008 ug/L	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	5246	0.983	ug/L	94
25) Chloroform	4.42	83	35474	1.796	ug/L	85
27) 1,2-Dichloroethane	5.18	62	14184	1.034	ug/L	98
30) Cyclohexane	4.72	56	17100	0.984	ug/L	89
31) 1,1,1-Trichloroethane	4.66	97	16581	1.016	ug/L	96
32) Carbon tetrachloride	4.87	117	14872	1.023	ug/L	99
34) Benzene	5.14	78	42155	0.999	ug/L	100
35) Trichloroethene	5.96	95	12271	1.077	ug/L #	89
36) Methylcyclohexane	6.17	83	17621	0.988	ug/L	95
40) 1,2-Dichloropropane	6.22	63	10675	1.004	ug/L #	95
41) Bromodichloromethane	6.55	83	13884	1.015	ug/L #	95
42) cis-1,3-Dichloropropene	7.07	75	15253	0.968	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	22275	2.271	ug/L #	97
44) Toluene	7.43	91	47300	1.097	ug/L	92
45) trans-1,3-Dichloropropene	7.69	75	11955	0.885	ug/L	95
46) 1,1,2-Trichloroethane	7.88	97	8829	1.037	ug/L	96
47) Tetrachloroethene	8.02	164	10484	1.085	ug/L	95
49) 2-Hexanone	8.19	43	30067	4.210	ug/L	88
50) Dibromochloromethane	8.29	129	9881	0.970	ug/L	98
51) 1,2-Dibromoethane	8.39	107	9217	1.047	ug/L	87
52) Chlorobenzene	8.92	112	30253	1.037	ug/L	100
53) Ethylbenzene	9.05	91	44777	0.942	ug/L	99
54) m,p-Xylene	9.18	106	16197	0.906	ug/L	90
55) o-xylene	9.59	106	14518	0.859	ug/L	91
56) Styrene	9.60	104	24284	0.829	ug/L	94
57) Isopropylbenzene	9.97	105	37407	0.820	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.28	83	13051	1.195	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	10038	1.096	ug/L	92
62) Bromoform	9.77	173	6198	0.968	ug/L	98
63) 1,3-Dichlorobenzene	11.22	146	23448	1.051	ug/L	92
64) 1,4-Dichlorobenzene	11.31	146	25721	1.127	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	24229	1.168	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	2305	1.208	ug/L	88
67) 1,3,5-Trichlorobenzene	12.69	180	19591	1.110	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	15630	1.039	ug/L	97
69) Naphthalene	13.55	128	26867	0.923	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	14632	1.040	ug/L	93

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

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