

Data File : VV013470.D
Acq On : 01 Nov 2019 15:51
Operator : SY/MD
Sample : MDL04
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL04

Manual Integrations
APPROVED

MMDadoda
11/4/2019 12:38:40 PM

Quant Time: Nov 02 03:38:41 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	705129	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	686097	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	347560	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	240009	24.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.68%
7) Chloroethane-d5	1.58	69	188963	26.08	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	104.32%
10) 1,1-Dichloroethene-d2	2.13	63	307666m	17.82	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.28%
20) 2-Butanone-d5	3.95	46	228354	49.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.06%
24) Chloroform-d	4.40	84	447733	22.42	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.68%
26) 1,2-Dichloroethane-d4	5.08	65	280857	24.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.28%
29) Benzene-d6	5.09	84	963292	23.91	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.64%
33) 1,2-Dichloropropane-d6	6.11	67	294383	23.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.80%
37) Toluene-d8	7.36	98	852472	23.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.48%
38) trans-1,3-Dichloropropene-	7.66	79	120380	22.54	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.16%
39) 2-Hexanone-d5	8.13	63	124008	47.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.36%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	263765	23.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	336768	24.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12591	1.145 ug/L	92
3) Chloromethane	1.25	50	10653	0.950 ug/L	95
5) Vinyl chloride	1.32	62	11935	1.087 ug/L #	61
6) Bromomethane	1.54	94	5858	1.135 ug/L	97
8) Chloroethane	1.60	64	5950	0.977 ug/L	97
9) Trichlorofluoromethane	1.77	101	15601	1.038 ug/L	93
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	11090	1.237 ug/L	88
12) 1,1-Dichloroethene	2.14	96	11068m	1.306 ug/L	
13) Acetone	2.22	43	23052	4.234 ug/L	98
14) Carbon disulfide	2.32	76	31907	0.970 ug/L #	95
15) Methyl Acetate	2.47	43	7685	0.938 ug/L	91
16) Methylene chloride	2.53	84	34777	2.650 ug/L	98
17) Methyl tert-butyl Ether	2.80	73	26097	0.938 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	11271	0.997 ug/L	93
19) 1,1-Dichloroethane	3.23	63	20268	0.983 ug/L	96
21) 2-Butanone	4.05	43	13967m	2.487 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	10835	0.912 ug/L	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	6005m	1.053	ug/L	
25) Chloroform	4.42	83	34406	1.631	ug/L	83
27) 1,2-Dichloroethane	5.18	62	15569m	1.063	ug/L	
30) Cyclohexane	4.72	56	17408	0.940	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	17279	0.992	ug/L	97
32) Carbon tetrachloride	4.87	117	14670	0.946	ug/L	97
34) Benzene	5.15	78	40806	0.907	ug/L	100
35) Trichloroethene	5.96	95	13828	1.138	ug/L #	85
36) Methylcyclohexane	6.17	83	16952	0.891	ug/L	94
40) 1,2-Dichloropropane	6.22	63	12684m	1.119	ug/L	
41) Bromodichloromethane	6.56	83	13980	0.958	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	14533	0.865	ug/L	86
43) 4-Methyl-2-pentanone	7.27	43	22881	2.187	ug/L	92
44) Toluene	7.43	91	44766	0.974	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	14249	0.989	ug/L	90
46) 1,1,2-Trichloroethane	7.88	97	10519	1.158	ug/L	97
47) Tetrachloroethene	8.01	164	10209	0.991	ug/L	93
49) 2-Hexanone	8.19	43	32027	4.205	ug/L	97
50) Dibromochloromethane	8.29	129	10364	0.954	ug/L	96
51) 1,2-Dibromoethane	8.40	107	9253	0.986	ug/L	89
52) Chlorobenzene	8.92	112	28913	0.929	ug/L	94
53) Ethylbenzene	9.05	91	45054	0.889	ug/L	96
54) m,p-Xylene	9.18	106	16767	0.880	ug/L	97
55) o-xylene	9.58	106	15971	0.886	ug/L	95
56) Styrene	9.60	104	23782	0.761	ug/L	98
57) Isopropylbenzene	9.97	105	39492	0.812	ug/L	94
58) 1,1,2,2-Tetrachloroethane	10.28	83	13696	1.176	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	10241	1.049	ug/L	91
62) Bromoform	9.77	173	6256	0.908	ug/L	95
63) 1,3-Dichlorobenzene	11.22	146	25692	1.071	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	26533	1.081	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	25200	1.130	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.48	75	2811	1.370	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	20736	1.093	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	17189	1.063	ug/L	98
69) Naphthalene	13.55	128	27597	0.882	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	15630	1.033	ug/L	98

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

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