

Data File : VV013020.D
Acq On : 30 Sep 2019 16:46
Operator : SY/MD
Sample : MDL03
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Oct 01 05:45:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
Quant Title : VOC Analysis
QLast Update : Mon Sep 30 15:00:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	737000	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	739109	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	378780	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	241202	22.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.52%
7) Chloroethane-d5	1.58	69	210767	23.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.36%
11) 1,1-Dichloroethene-d2	2.13	63	331328	18.25	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.00%
21) 2-Butanone-d5	3.95	46	211926	56.93	ug/L	0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.86%
24) Chloroform-d	4.40	84	453052	22.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	5.08	65	276089	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.76%
32) Benzene-d6	5.10	84	951949	23.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.12	67	300220	23.49	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.96%
41) Toluene-d8	7.36	98	865088	23.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.92%
43) trans-1,3-Dichloropropene-	7.66	79	122060	22.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.04%
47) 2-Hexanone-d5	8.14	63	143376	53.21	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.42%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	291498	24.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.56%
66) 1,2-Dichlorobenzene-d4	11.67	152	359426	24.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.44%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	12220	1.548 ug/L	93
3) Chloromethane	1.25	50	19030	1.893 ug/L	97
5) Vinyl chloride	1.32	62	21426	2.069 ug/L	84
6) Bromomethane	1.54	94	14052	2.112 ug/L	94
8) Chloroethane	1.60	64	13970	2.134 ug/L	97
9) Trichlorofluoromethane	1.77	101	28636	2.041 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	20659	2.297 ug/L	86
12) 1,1-Dichloroethene	2.14	96	19188	2.272 ug/L #	1
13) Acetone	2.22	43	23744	6.051 ug/L	99
14) Carbon disulfide	2.32	76	49652	1.915 ug/L	99
15) Methyl Acetate	2.47	43	14180	2.342 ug/L	98
16) Methylene chloride	2.53	84	37818	3.133 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	19441	1.953 ug/L	99
18) Methyl tert-butyl Ether	2.80	73	54710	2.184 ug/L	98
19) 1,1-Dichloroethane	3.23	63	38184	2.090 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	23612	2.132 ug/L	97
22) 2-Butanone	4.05	43	16436m	3.822 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	11887	2.189	ug/L	98
25) Chloroform	4.42	83	47659	2.502	ug/L	95
27) 1,2-Dichloroethane	5.18	62	29626	2.262	ug/L	99
29) Cyclohexane	4.73	56	29334	1.803	ug/L	98
30) 1,1,1-Trichloroethane	4.66	97	31079	2.059	ug/L	99
31) Carbon tetrachloride	4.87	117	26527	1.952	ug/L	99
33) Benzene	5.15	78	87528	2.071	ug/L	100
34) Trichloroethene	5.96	95	23509	2.054	ug/L	98
35) Methylcyclohexane	6.17	83	32002	1.781	ug/L	99
37) 1,2-Dichloropropane	6.22	63	21870	2.017	ug/L #	95
38) Bromodichloromethane	6.55	83	29643	2.094	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	31277	1.916	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	41612	4.802	ug/L	94
42) Toluene	7.43	91	94041	2.092	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	28531m	2.128	ug/L	
45) 1,1,2-Trichloroethane	7.88	97	21113	2.295	ug/L	96
46) Tetrachloroethene	8.02	164	19015	2.008	ug/L	97
48) 2-Hexanone	8.19	43	33143	5.253	ug/L	95
49) Dibromochloromethane	8.29	129	22264	2.123	ug/L	99
50) 1,2-Dibromoethane	8.40	107	20883	2.301	ug/L	97
51) Chlorobenzene	8.92	112	63787	2.092	ug/L	97
52) Ethylbenzene	9.05	91	94236	1.909	ug/L	98
53) m,p-Xylene	9.18	106	34033	1.803	ug/L	93
54) o-Xylene	9.59	106	31675	1.754	ug/L	100
55) Styrene	9.60	104	54090	1.711	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.28	83	28010	2.498	ug/L	97
59) Bromoform	9.77	173	14538	2.241	ug/L #	96
60) Isopropylbenzene	9.97	105	82524	1.808	ug/L	99
61) 1,2,3-Trichloropropane	10.32	75	21626	2.508	ug/L	97
62) 1,3,5-Trimethylbenzene	10.58	105	61910	1.683	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	62287	1.686	ug/L	99
64) 1,3-Dichlorobenzene	11.23	146	49664	2.073	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	54843	2.180	ug/L	99
67) 1,2-Dichlorobenzene	11.69	146	50930	2.226	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.48	75	4926	2.634	ug/L	97
69) 1,3,5-Trichlorobenzene	12.69	180	39845	2.065	ug/L	97
70) 1,2,4-trichlorobenzene	13.31	180	33812	2.027	ug/L	99
71) Naphthalene	13.55	128	61983	1.908	ug/L	99
72) 1,2,3-Trichlorobenzene	13.79	180	33249	2.067	ug/L	97

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

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