

Data File : VV013472.D
Acq On : 01 Nov 2019 16:46
Operator : SY/MD
Sample : MDL06
Misc : 5.00G/10.0ML/MSVOA_V/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MDL06

Manual Integrations
APPROVED

MMDadoda
11/4/2019 12:38:50 PM

Quant Time: Nov 02 03:43:21 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	740714	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	703751	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	368419	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	263443	25.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.04%
7) Chloroethane-d5	1.58	69	188670	24.79	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.16%
10) 1,1-Dichloroethene-d2	2.13	63	339256	18.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	74.80%
20) 2-Butanone-d5	3.93	46	221972	45.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.74%
24) Chloroform-d	4.40	84	485069	23.12	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.48%
26) 1,2-Dichloroethane-d4	5.08	65	298852	24.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.56%
29) Benzene-d6	5.09	84	1040819	25.19	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.76%
33) 1,2-Dichloropropane-d6	6.11	67	318805	25.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.16%
37) Toluene-d8	7.36	98	907683	24.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.08%
38) trans-1,3-Dichloropropene-	7.66	79	129583	23.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.60%
39) 2-Hexanone-d5	8.13	63	125058	46.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.78%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	273768	23.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.80%
61) 1,2-Dichlorobenzene-d4	11.67	152	363672	25.26	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.04%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11925	1.032 ug/L	98
3) Chloromethane	1.25	50	12591	1.069 ug/L	96
5) Vinyl chloride	1.32	62	12139	1.053 ug/L #	45
6) Bromomethane	1.53	94	5233	0.966 ug/L	91
8) Chloroethane	1.60	64	6663m	1.041 ug/L	
9) Trichlorofluoromethane	1.77	101	14693	0.931 ug/L	92
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12119	1.286 ug/L #	81
12) 1,1-Dichloroethene	2.14	96	11069m	1.243 ug/L	
13) Acetone	2.19	43	16930	2.960 ug/L	94
14) Carbon disulfide	2.32	76	30921	0.895 ug/L	97
15) Methyl Acetate	2.47	43	7607	0.884 ug/L	100
16) Methylene chloride	2.53	84	24061	1.745 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	25800	0.883 ug/L	96
18) trans-1,2-Dichloroethene	2.79	96	9977	0.840 ug/L	96
19) 1,1-Dichloroethane	3.23	63	20310	0.938 ug/L	99
21) 2-Butanone	4.04	43	14199m	2.407 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	12575m	1.008 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	5456	0.911	ug/L	94
25) Chloroform	4.42	83	36356	1.640	ug/L	77
27) 1,2-Dichloroethane	5.18	62	14706m	0.955	ug/L	
30) Cyclohexane	4.72	56	16995m	0.894	ug/L	
31) 1,1,1-Trichloroethane	4.65	97	16333	0.915	ug/L	96
32) Carbon tetrachloride	4.87	117	14149	0.890	ug/L	99
34) Benzene	5.14	78	43890	0.951	ug/L	100
35) Trichloroethene	5.96	95	13159	1.056	ug/L	96
36) Methylcyclohexane	6.18	83	15968	0.819	ug/L	89
40) 1,2-Dichloropropane	6.22	63	10523	0.905	ug/L #	94
41) Bromodichloromethane	6.56	83	13006	0.869	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	14194	0.823	ug/L	96
43) 4-Methyl-2-pentanone	7.27	43	21114	1.967	ug/L #	91
44) Toluene	7.43	91	45604	0.967	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	13299	0.900	ug/L	96
46) 1,1,2-Trichloroethane	7.88	97	9209	0.989	ug/L	90
47) Tetrachloroethene	8.02	164	9734	0.921	ug/L	96
49) 2-Hexanone	8.19	43	27133	3.473	ug/L #	85
50) Dibromochloromethane	8.29	129	10526	0.945	ug/L	78
51) 1,2-Dibromoethane	8.40	107	8606	0.894	ug/L #	98
52) Chlorobenzene	8.92	112	30221	0.947	ug/L	96
53) Ethylbenzene	9.05	91	45406	0.874	ug/L	93
54) m,p-Xylene	9.18	106	16319	0.835	ug/L	91
55) o-xylene	9.59	106	14563	0.788	ug/L	91
56) Styrene	9.60	104	24926	0.777	ug/L	96
57) Isopropylbenzene	9.97	105	39098	0.784	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	10.28	83	12925	1.082	ug/L #	96
59) 1,2,3-Trichloropropane	10.32	75	10035	1.002	ug/L	91
62) Bromoform	9.77	173	6683	0.915	ug/L #	96
63) 1,3-Dichlorobenzene	11.22	146	25584	1.006	ug/L	92
64) 1,4-Dichlorobenzene	11.32	146	26595	1.023	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	24273	1.027	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.47	75	2210	1.016	ug/L #	88
67) 1,3,5-Trichlorobenzene	12.69	180	20397	1.014	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	16226	0.946	ug/L	94
69) Naphthalene	13.55	128	26392	0.796	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	14934	0.931	ug/L	98

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

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