

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000654.D
 Acq On : 12 Nov 2019 14:35
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:55 PM

Quant Time: Nov 13 10:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 03:17:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	362201	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	330994	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	153533	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	122067	23.86	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.44%
7) Chloroethane-d5	2.76	69	108710	23.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.68%
10) 1,1-Dichloroethene-d2	3.86	63	168703	17.86	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.44%
20) 2-Butanone-d5	6.90	46	90820	43.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.06%
24) Chloroform-d	7.49	84	213986	22.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.08%
26) 1,2-Dichloroethane-d4	8.16	65	126796	23.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.04%
29) Benzene-d6	8.12	84	451232	23.48	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.92%
33) 1,2-Dichloropropane-d6	9.13	67	144334	23.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.84%
37) Toluene-d8	10.18	98	420615	23.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.68%
38) trans-1,3-Dichloropropene-	10.44	79	63062	22.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.76%
39) 2-Hexanone-d5	10.79	63	69108	42.45	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.90%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	123971	21.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.64%
61) 1,2-Dichlorobenzene-d4	13.72	152	144281	23.50	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	6054	1.265 ug/L	99
3) Chloromethane	2.11	50	7277	1.213 ug/L	97
5) Vinyl chloride	2.25	62	7192	1.201 ug/L #	62
6) Bromomethane	2.66	94	4268	1.305 ug/L	98
8) Chloroethane	2.80	64	4154	1.106 ug/L #	72
9) Trichlorofluoromethane	3.13	101	10434m	1.230 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	6228m	1.295 ug/L	
12) 1,1-Dichloroethene	3.88	96	6708m	1.429 ug/L	
13) Acetone	3.96	43	5225	3.384 ug/L	83
14) Carbon disulfide	4.19	76	15507	1.070 ug/L #	85
15) Methyl Acetate	4.50	43	3791m	1.072 ug/L	
16) Methylene chloride	4.73	84	13100	2.191 ug/L	89
17) Methyl tert-butyl Ether	5.22	73	16015m	1.121 ug/L	
18) trans-1,2-Dichloroethene	5.22	96	6257m	1.193 ug/L	
19) 1,1-Dichloroethane	6.03	63	11007m	1.193 ug/L	
21) 2-Butanone	7.00	43	7856	2.888 ug/L #	72
22) cis-1,2-Dichloroethene	7.00	96	6475m	1.116 ug/L	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.34	128	3431m	1.355	ug/L	
25) Chloroform	7.51	83	18276	1.837	ug/L	78
27) 1,2-Dichloroethane	8.24	62	8361	1.257	ug/L	95
30) Cyclohexane	7.79	56	9685m	1.072	ug/L	
31) 1,1,1-Trichloroethane	7.71	97	9542	1.170	ug/L #	87
32) Carbon tetrachloride	7.91	117	8669m	1.220	ug/L	
34) Benzene	8.17	78	25681	1.187	ug/L	100
35) Trichloroethene	8.94	95	7056	1.244	ug/L	96
36) Methylcyclohexane	9.19	83	9535	0.982	ug/L	91
40) 1,2-Dichloropropane	9.22	63	6365	1.161	ug/L #	96
41) Bromodichloromethane	9.50	83	7755	1.099	ug/L #	89
42) cis-1,3-Dichloropropene	9.92	75	9214	1.043	ug/L	93
43) 4-Methyl-2-pentanone	10.08	43	12153	2.317	ug/L	99
44) Toluene	10.25	91	29012	1.240	ug/L	99
45) trans-1,3-Dichloropropene	10.47	75	9332m	1.230	ug/L	
46) 1,1,2-Trichloroethane	10.64	97	5160	1.147	ug/L #	85
47) Tetrachloroethene	10.72	164	5065	1.195	ug/L	86
49) 2-Hexanone	10.83	43	10589	2.592	ug/L	97
50) Dibromochloromethane	10.99	129	5854	1.152	ug/L	87
51) 1,2-Dibromoethane	11.09	107	4701	1.074	ug/L	98
52) Chlorobenzene	11.52	112	16889	1.138	ug/L	95
53) Ethylbenzene	11.59	91	30764	1.162	ug/L	92
54) m,p-Xylene	11.70	106	11932	1.191	ug/L	100
55) o-xylene	12.03	106	10669	1.085	ug/L	77
56) Styrene	12.05	104	16359	1.002	ug/L	96
57) Isopropylbenzene	12.33	105	26981	1.055	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6845	1.220	ug/L #	98
59) 1,2,3-Trichloropropane	12.63	75	5552	1.217	ug/L	94
62) Bromoform	12.20	173	3240	1.111	ug/L #	38
63) 1,3-Dichlorobenzene	13.36	146	12700	1.160	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	13963	1.276	ug/L	94
65) 1,2-Dichlorobenzene	13.74	146	12374	1.220	ug/L #	81
66) 1,2-Dibromo-3-chloropropan	14.36	75	1324	1.374	ug/L #	91
67) 1,3,5-Trichlorobenzene	14.50	180	9048	1.185	ug/L	92
68) 1,2,4-trichlorobenzene	15.00	180	8457	1.239	ug/L	98
69) Naphthalene	15.23	128	19528	1.148	ug/L	99
70) 1,2,3-Trichlorobenzene	15.42	180	7951	1.253	ug/L #	85

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

