

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000658.D
 Acq On : 12 Nov 2019 16:01
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:07:16 PM

Quant Time: Nov 13 10:15:50 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	346375	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	314608	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	143856	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	124771	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.04%
7) Chloroethane-d5	2.76	69	110876	25.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.04%
10) 1,1-Dichloroethene-d2	3.86	63	175225	19.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	77.56%
20) 2-Butanone-d5	6.91	46	98752	48.93	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.86%
24) Chloroform-d	7.49	84	225698	24.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.32%
26) 1,2-Dichloroethane-d4	8.15	65	136067	25.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.28%
29) Benzene-d6	8.12	84	481967	26.38	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	105.52%
33) 1,2-Dichloropropane-d6	9.13	67	150946	26.36	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	105.44%
37) Toluene-d8	10.18	98	432667	25.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.40%
38) trans-1,3-Dichloropropene-	10.44	79	66873	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.12%
39) 2-Hexanone-d5	10.79	63	75264	48.63	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.26%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	133573	23.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.92%
61) 1,2-Dichlorobenzene-d4	13.72	152	148910	25.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	5791	1.265 ug/L	99
3) Chloromethane	2.12	50	6260	1.091 ug/L	100
5) Vinyl chloride	2.26	62	6775	1.183 ug/L #	69
6) Bromomethane	2.66	94	3973	1.271 ug/L	89
8) Chloroethane	2.80	64	3782	1.053 ug/L	89
9) Trichlorofluoromethane	3.13	101	9585m	1.182 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	6346m	1.379 ug/L	
12) 1,1-Dichloroethene	3.88	96	6396	1.424 ug/L #	1
13) Acetone	3.96	43	4979m	3.372 ug/L	
14) Carbon disulfide	4.20	76	14145	1.021 ug/L #	91
15) Methyl Acetate	4.48	43	3720m	1.100 ug/L	
16) Methylene chloride	4.72	84	11822	2.068 ug/L	84
17) Methyl tert-butyl Ether	5.23	73	15282m	1.118 ug/L	
18) trans-1,2-Dichloroethene	5.23	96	5906	1.178 ug/L	77
19) 1,1-Dichloroethane	6.02	63	10615	1.203 ug/L #	82
21) 2-Butanone	7.00	43	7967m	3.062 ug/L	
22) cis-1,2-Dichloroethene	7.00	96	6034	1.088 ug/L	88

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23) Bromochloromethane	7.35	128	2906	1.200	ug/L #	87
25) Chloroform	7.52	83	17081	1.796	ug/L	77
27) 1,2-Dichloroethane	8.25	62	7363	1.158	ug/L #	94
30) Cyclohexane	7.79	56	9777	1.139	ug/L #	86
31) 1,1,1-Trichloroethane	7.71	97	8527m	1.100	ug/L	
32) Carbon tetrachloride	7.91	117	7754	1.148	ug/L	96
34) Benzene	8.16	78	22151	1.077	ug/L	100
35) Trichloroethene	8.95	95	6159	1.142	ug/L	97
36) Methylcyclohexane	9.19	83	10409	1.128	ug/L	93
40) 1,2-Dichloropropane	9.23	63	5665	1.087	ug/L #	88
41) Bromodichloromethane	9.50	83	8258	1.231	ug/L #	88
42) cis-1,3-Dichloropropene	9.93	75	8552	1.018	ug/L	95
43) 4-Methyl-2-pentanone	10.08	43	11363	2.279	ug/L	98
44) Toluene	10.25	91	25670	1.154	ug/L	99
45) trans-1,3-Dichloropropene	10.46	75	7885	1.093	ug/L	96
46) 1,1,2-Trichloroethane	10.64	97	4592	1.074	ug/L #	79
47) Tetrachloroethene	10.72	164	5090	1.264	ug/L #	75
49) 2-Hexanone	10.84	43	9687	2.495	ug/L #	90
50) Dibromochloromethane	10.99	129	5385	1.115	ug/L	83
51) 1,2-Dibromoethane	11.08	107	4168	1.002	ug/L #	90
52) Chlorobenzene	11.52	112	15662	1.110	ug/L #	81
53) Ethylbenzene	11.59	91	27428	1.090	ug/L	87
54) m,p-Xylene	11.70	106	10414	1.094	ug/L	98
55) o-xylene	12.03	106	10120	1.083	ug/L	72
56) Styrene	12.04	104	15903	1.024	ug/L	96
57) Isopropylbenzene	12.33	105	25340	1.042	ug/L	96
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6323	1.185	ug/L #	88
59) 1,2,3-Trichloropropane	12.63	75	4994	1.151	ug/L	97
62) Bromoform	12.20	173	2977	1.090	ug/L #	89
63) 1,3-Dichlorobenzene	13.36	146	12327	1.201	ug/L	93
64) 1,4-Dichlorobenzene	13.45	146	12564	1.225	ug/L #	83
65) 1,2-Dichlorobenzene	13.73	146	11653	1.226	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.36	75	1127	1.248	ug/L #	83
67) 1,3,5-Trichlorobenzene	14.50	180	9157	1.280	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	7568	1.184	ug/L	96
69) Naphthalene	15.23	128	17813	1.118	ug/L	96
70) 1,2,3-Trichlorobenzene	15.42	180	6769	1.139	ug/L #	18

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

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