

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000655.D
 Acq On : 12 Nov 2019 14:57
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:07:01 PM

Quant Time: Nov 13 10:10:35 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	360711	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	327871	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	150503	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	124051	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.40%
7) Chloroethane-d5	2.76	69	107632	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.12%
10) 1,1-Dichloroethene-d2	3.85	63	165561	17.60	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.40%
20) 2-Butanone-d5	6.90	46	81888	38.96	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.92%
24) Chloroform-d	7.49	84	213054	22.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.04%
26) 1,2-Dichloroethane-d4	8.15	65	125492	22.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.48%
29) Benzene-d6	8.12	84	457881	24.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.20%
33) 1,2-Dichloropropane-d6	9.13	67	142488	23.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	95.52%
37) Toluene-d8	10.18	98	418915	23.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.20%
38) trans-1,3-Dichloropropene-	10.44	79	63396	22.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.08%
39) 2-Hexanone-d5	10.79	63	66291	41.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.20%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	115506	19.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	79.60%
61) 1,2-Dichlorobenzene-d4	13.72	152	142848	23.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	5456	1.145 ug/L	99
3) Chloromethane	2.11	50	6744m	1.129 ug/L	
5) Vinyl chloride	2.25	62	6703	1.124 ug/L #	69
6) Bromomethane	2.65	94	3920	1.204 ug/L	84
8) Chloroethane	2.80	64	3838	1.026 ug/L	96
9) Trichlorofluoromethane	3.13	101	9302m	1.101 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	6188m	1.292 ug/L	
12) 1,1-Dichloroethene	3.88	96	6106m	1.306 ug/L	
13) Acetone	3.96	43	4759m	3.094 ug/L	
14) Carbon disulfide	4.19	76	14376	0.996 ug/L	95
15) Methyl Acetate	4.49	43	3075m	0.873 ug/L	
16) Methylene chloride	4.72	84	11416	1.917 ug/L	96
17) Methyl tert-butyl Ether	5.24	73	13951m	0.980 ug/L	
18) trans-1,2-Dichloroethene	5.23	96	5742m	1.099 ug/L	
19) 1,1-Dichloroethane	6.03	63	9740m	1.060 ug/L	
21) 2-Butanone	7.00	43	6707m	2.476 ug/L	
22) cis-1,2-Dichloroethene	7.00	96	6314	1.093 ug/L	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.35	128	2262	0.897	ug/L	90
25) Chloroform	7.52	83	17342	1.751	ug/L	79
27) 1,2-Dichloroethane	8.25	62	6445	0.973	ug/L #	87
30) Cyclohexane	7.78	56	9176	1.026	ug/L	91
31) 1,1,1-Trichloroethane	7.71	97	8743m	1.082	ug/L	
32) Carbon tetrachloride	7.91	117	7315	1.039	ug/L	90
34) Benzene	8.17	78	23940	1.117	ug/L	100
35) Trichloroethene	8.94	95	5728	1.019	ug/L	90
36) Methylcyclohexane	9.19	83	9452	0.983	ug/L	97
40) 1,2-Dichloropropane	9.22	63	5638	1.038	ug/L	99
41) Bromodichloromethane	9.50	83	8019	1.147	ug/L	85
42) cis-1,3-Dichloropropene	9.92	75	9291	1.062	ug/L	91
43) 4-Methyl-2-pentanone	10.08	43	9974	1.920	ug/L	99
44) Toluene	10.25	91	24787	1.070	ug/L	96
45) trans-1,3-Dichloropropene	10.47	75	6917m	0.920	ug/L	
46) 1,1,2-Trichloroethane	10.64	97	4891	1.098	ug/L	94
47) Tetrachloroethene	10.72	164	4328	1.031	ug/L	82
49) 2-Hexanone	10.84	43	8941m	2.210	ug/L	
50) Dibromochloromethane	10.99	129	4293	0.853	ug/L	90
51) 1,2-Dibromoethane	11.10	107	4032	0.930	ug/L #	82
52) Chlorobenzene	11.52	112	15133	1.029	ug/L #	88
53) Ethylbenzene	11.59	91	26801	1.022	ug/L	91
54) m,p-Xylene	11.70	106	9776	0.985	ug/L	97
55) o-xylene	12.03	106	9493	0.975	ug/L	86
56) Styrene	12.04	104	15736	0.973	ug/L	99
57) Isopropylbenzene	12.33	105	26128	1.031	ug/L	96
58) 1,1,2,2-Tetrachloroethane	12.58	83	5482	0.986	ug/L #	78
59) 1,2,3-Trichloropropane	12.63	75	4365	0.966	ug/L	98
62) Bromoform	12.20	173	2909	1.018	ug/L #	95
63) 1,3-Dichlorobenzene	13.36	146	11972	1.115	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	12450	1.160	ug/L	99
65) 1,2-Dichlorobenzene	13.74	146	12404	1.248	ug/L #	87
67) 1,3,5-Trichlorobenzene	14.50	180	8837	1.181	ug/L	94
68) 1,2,4-trichlorobenzene	15.00	180	7892	1.180	ug/L	96
69) Naphthalene	15.23	128	17484	1.049	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	7307	1.175	ug/L	93

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

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