

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120320\
 Data File : VY003654.D
 Acq On : 03 Dec 2020 19:25
 Operator : SY/MD
 Sample : L4485-07
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-07

Manual Integrations
 APPROVED

MMDadoda
 12/4/2020 11:27:30 AM

Quant Time: Dec 04 00:45:27 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120120SMA.M

Quant Title : VOC Analysis

QLast Update : Fri Dec 04 00:41:17 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	222984	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	213523	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	106411	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	53093	18.23	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.92%
7) Chloroethane-d5	2.77	69	45088	19.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	3.86	63	88540	15.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	61.08%
21) 2-Butanone-d5	6.90	46	60234	48.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	96.32%
24) Chloroform-d	7.49	84	122553	21.67	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.68%
26) 1,2-Dichloroethane-d4	8.15	65	68930	22.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	8.12	84	256727	21.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.64%
36) 1,2-Dichloropropane-d6	9.12	67	78410	21.22	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	84.88%
41) Toluene-d8	10.18	98	230362	21.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.00%
43) trans-1,3-Dichloropropene-	10.44	79	36998	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.52%
47) 2-Hexanone-d5	10.79	63	48382	48.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.98%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	68927	18.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	73.76%
66) 1,2-Dichlorobenzene-d4	13.72	152	88244	23.37	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.48%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3271	1.264 ug/L	96
3) Chloromethane	2.12	50	4595	1.637 ug/L	95
5) Vinyl chloride	2.25	62	3980	1.322 ug/L #	59
6) Bromomethane	2.66	94	2481	1.316 ug/L	81
8) Chloroethane	2.80	64	2468	1.313 ug/L	97
9) Trichlorofluoromethane	3.14	101	6201	1.357 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	4764	1.561 ug/L #	47
12) 1,1-Dichloroethene	3.87	96	4391	1.515 ug/L #	1
13) Acetone	3.95	43	3276m	3.655 ug/L	
14) Carbon disulfide	4.20	76	11927	1.246 ug/L	100
15) Methyl Acetate	4.49	43	3397	1.574 ug/L	96
16) Methylene chloride	4.73	84	14827	3.939 ug/L	95
17) trans-1,2-Dichloroethene	5.23	96	3541	1.112 ug/L	89
18) Methyl tert-butyl Ether	5.23	73	9681m	1.244 ug/L	
19) 1,1-Dichloroethane	6.03	63	6716	1.253 ug/L	92
20) cis-1,2-Dichloroethene	7.00	96	4483	1.343 ug/L	94
22) 2-Butanone	7.00	43	5495	3.646 ug/L	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	2145	1.317	ug/L	83
25) Chloroform	7.51	83	7679	1.430	ug/L	79
27) 1,2-Dichloroethane	8.24	62	4759	1.347	ug/L #	95
29) Cyclohexane	7.79	56	5445	1.074	ug/L	92
30) 1,1,1-Trichloroethane	7.71	97	6469	1.329	ug/L #	86
31) Carbon tetrachloride	7.91	117	5296	1.205	ug/L	99
33) Benzene	8.17	78	16002	1.226	ug/L	100
34) Trichloroethene	8.94	95	4638	1.424	ug/L	89
35) Methylcyclohexane	9.19	83	6285	1.128	ug/L	91
37) 1,2-Dichloropropane	9.22	63	4148	1.252	ug/L #	86
38) Bromodichloromethane	9.50	83	5220	1.252	ug/L #	98
39) cis-1,3-Dichloropropene	9.93	75	6477m	1.266	ug/L	
40) 4-Methyl-2-pentanone	10.07	43	9083	3.123	ug/L	96
42) Toluene	10.25	91	17459	1.274	ug/L	99
44) trans-1,3-Dichloropropene	10.47	75	7701	1.630	ug/L	98
45) 1,1,2-Trichloroethane	10.64	97	3441	1.237	ug/L	98
46) Tetrachloroethene	10.72	164	3505	1.257	ug/L	87
48) 2-Hexanone	10.83	43	4867	2.292	ug/L #	94
49) Dibromochloromethane	10.99	129	3950	1.229	ug/L	100
50) 1,2-Dibromoethane	11.09	107	3375	1.254	ug/L #	92
51) Chlorobenzene	11.51	112	11443	1.296	ug/L	96
52) Ethylbenzene	11.59	91	17570	1.198	ug/L	98
53) m,p-Xylene	11.70	106	7051	1.229	ug/L	90
54) o-Xylene	12.03	106	6286	1.160	ug/L	100
55) Styrene	12.04	104	10037	1.083	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	3757	1.019	ug/L	87
59) Bromoform	12.21	173	2595	1.242	ug/L #	93
60) Isopropylbenzene	12.33	105	15783	1.160	ug/L	98
61) 1,2,3-Trichloropropane	12.63	75	3274	1.287	ug/L	98
62) 1,3,5-Trimethylbenzene	12.81	105	12092	1.121	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	12131	1.138	ug/L	98
64) 1,3-Dichlorobenzene	13.36	146	9044	1.374	ug/L	98
65) 1,4-Dichlorobenzene	13.44	146	9277	1.387	ug/L	98
67) 1,2-Dichlorobenzene	13.74	146	8629	1.396	ug/L	92
68) 1,2-Dibromo-3-chloropropan	14.35	75	790m	1.338	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	6239	1.349	ug/L	98
70) 1,2,4-trichlorobenzene	15.01	180	5176	1.314	ug/L	99
71) Naphthalene	15.23	128	10342	1.203	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	4533	1.253	ug/L	97

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

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