

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY122920\
 Data File : VY003855.D
 Acq On : 29 Dec 2020 16:44
 Operator : SY/MD
 Sample : L4485-01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-01

Manual Integrations
 APPROVED

MMDadoda
 12/30/2020 6:36:26 PM

Quant Time: Dec 30 07:33:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL122920SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 30 07:19:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	326477	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	308554	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	169306	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	115759	20.96	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.84%
7) Chloroethane-d5	2.77	69	101034	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.48%
11) 1,1-Dichloroethene-d2	3.86	63	168675	17.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.80%
21) 2-Butanone-d5	6.89	46	106311	50.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.22%
24) Chloroform-d	7.48	84	210490	23.34	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.36%
26) 1,2-Dichloroethane-d4	8.14	65	139407	24.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.08%
32) Benzene-d6	8.11	84	414504	24.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.64%
36) 1,2-Dichloropropane-d6	9.12	67	126129	24.92	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.68%
41) Toluene-d8	10.18	98	392983	24.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	10.43	79	67729	23.73	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.92%
47) 2-Hexanone-d5	10.79	63	77189	49.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.38%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	121606	24.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.76%
66) 1,2-Dichlorobenzene-d4	13.71	152	156337	25.27	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	8008	1.464 ug/L	97
3) Chloromethane	2.12	50	7649	1.249 ug/L	98
5) Vinyl chloride	2.25	62	8312m	1.279 ug/L	
6) Bromomethane	2.66	94	4891	1.231 ug/L	95
8) Chloroethane	2.80	64	4717	1.203 ug/L	83
9) Trichlorofluoromethane	3.13	101	10450	1.204 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	7113m	1.560 ug/L	
12) 1,1-Dichloroethene	3.88	96	6681m	1.561 ug/L	
13) Acetone	3.95	43	4955	3.162 ug/L	59
14) Carbon disulfide	4.20	76	15716	1.091 ug/L	97
15) Methyl Acetate	4.48	43	4437	1.231 ug/L #	77
16) Methylene chloride	4.72	84	12684m	2.422 ug/L	
17) trans-1,2-Dichloroethene	5.23	96	5402m	1.154 ug/L	
18) Methyl tert-butyl Ether	5.22	73	15645m	1.131 ug/L	
19) 1,1-Dichloroethane	6.03	63	10266	1.213 ug/L	94
20) cis-1,2-Dichloroethene	6.98	96	5579	1.102 ug/L	96
22) 2-Butanone	6.99	43	6965	2.868 ug/L	78

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	2750	1.098	ug/L	85
25) Chloroform	7.51	83	13235	1.492	ug/L	99
27) 1,2-Dichloroethane	8.24	62	8362	1.213	ug/L #	93
29) Cyclohexane	7.78	56	9114	1.127	ug/L #	93
30) 1,1,1-Trichloroethane	7.71	97	9839	1.185	ug/L #	88
31) Carbon tetrachloride	7.90	117	8828	1.149	ug/L	94
33) Benzene	8.16	78	22458	1.191	ug/L	100
34) Trichloroethene	8.94	95	6241	1.197	ug/L	94
35) Methylcyclohexane	9.18	83	10251	1.208	ug/L	98
37) 1,2-Dichloropropane	9.22	63	5237	1.091	ug/L #	91
38) Bromodichloromethane	9.49	83	8163	1.207	ug/L #	90
39) cis-1,3-Dichloropropene	9.93	75	8755	1.067	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	12090	2.358	ug/L	98
42) Toluene	10.24	91	24586	1.178	ug/L	96
44) trans-1,3-Dichloropropene	10.47	75	9246	1.168	ug/L	97
45) 1,1,2-Trichloroethane	10.64	97	4795	1.163	ug/L	94
46) Tetrachloroethene	10.72	164	5605	1.243	ug/L	97
48) 2-Hexanone	10.83	43	8690	2.327	ug/L	99
49) Dibromochloromethane	10.98	129	5907	1.131	ug/L	86
50) 1,2-Dibromoethane	11.09	107	4618	1.134	ug/L	93
51) Chlorobenzene	11.51	112	16229	1.203	ug/L	94
52) Ethylbenzene	11.59	91	26791	1.146	ug/L	100
53) m,p-Xylene	11.70	106	10270	1.159	ug/L	94
54) o-Xylene	12.03	106	9277	1.075	ug/L	98
55) Styrene	12.04	104	15316	1.026	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.57	83	6173	1.265	ug/L #	95
59) Bromoform	12.20	173	4172	1.142	ug/L #	40
60) Isopropylbenzene	12.32	105	24884	1.112	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	4877	1.173	ug/L	100
62) 1,3,5-Trimethylbenzene	12.81	105	21254	1.143	ug/L	99
63) 1,2,4-Trimethylbenzene	13.12	105	21525	1.143	ug/L	96
64) 1,3-Dichlorobenzene	13.36	146	12865	1.187	ug/L	95
65) 1,4-Dichlorobenzene	13.44	146	13159	1.199	ug/L	95
67) 1,2-Dichlorobenzene	13.73	146	12598	1.241	ug/L	91
68) 1,2-Dibromo-3-chloropropan	14.35	75	1505	1.456	ug/L #	78
69) 1,3,5-Trichlorobenzene	14.50	180	11359	1.344	ug/L	99
70) 1,2,4-trichlorobenzene	15.00	180	9271	1.294	ug/L	100
71) Naphthalene	15.23	128	17219	1.151	ug/L	96
72) 1,2,3-Trichlorobenzene	15.42	180	8372	1.322	ug/L	98

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

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