

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY120720\
 Data File : VY003673.D
 Acq On : 07 Dec 2020 16:46
 Operator : SY/MD
 Sample : L4485-06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-06

Manual Integrations
 APPROVED

MMDadoda
 12/8/2020 5:06:32 PM

Quant Time: Dec 08 01:13:07 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M

Quant Title : VOC Analysis

QLast Update : Tue Dec 08 00:43:44 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	242117	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	229519	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.43	152	117764	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	48298	19.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.60%
7) Chloroethane-d5	2.77	69	43187	21.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	3.86	63	82845	15.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.52%
21) 2-Butanone-d5	6.90	46	60411	49.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.78%
24) Chloroform-d	7.49	84	118849	22.05	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.20%
26) 1,2-Dichloroethane-d4	8.15	65	68587	22.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.96%
32) Benzene-d6	8.12	84	254037	22.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	9.12	67	80532	23.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.24%
41) Toluene-d8	10.18	98	227926	22.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.16%
43) trans-1,3-Dichloropropene-	10.44	79	37473	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.48%
47) 2-Hexanone-d5	10.79	63	47793	48.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.80%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	75822	23.77	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.08%
66) 1,2-Dichlorobenzene-d4	13.72	152	90682	23.70	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	94.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.91	85	3287	1.297 ug/L	95
3) Chloromethane	2.12	50	3783	1.302 ug/L	85
5) Vinyl chloride	2.26	62	3548	1.211 ug/L #	67
6) Bromomethane	2.66	94	2297	1.219 ug/L	94
8) Chloroethane	2.80	64	2178	1.189 ug/L	86
9) Trichlorofluoromethane	3.13	101	5545	1.207 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	3.92	101	4526m	1.496 ug/L	
12) 1,1-Dichloroethene	3.89	96	4164	1.445 ug/L #	1
13) Acetone	3.95	43	2589m	3.088 ug/L	
14) Carbon disulfide	4.20	76	10263	1.101 ug/L	99
15) Methyl Acetate	4.49	43	2582	1.216 ug/L #	88
16) Methylene chloride	4.73	84	10445	2.468 ug/L	98
17) trans-1,2-Dichloroethene	5.24	96	3932	1.223 ug/L	83
18) Methyl tert-butyl Ether	5.23	73	8899	1.097 ug/L #	78
19) 1,1-Dichloroethane	6.03	63	6284	1.177 ug/L	88
20) cis-1,2-Dichloroethene	7.00	96	4362	1.267 ug/L	88
22) 2-Butanone	7.00	43	4090	2.759 ug/L #	67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	1957	1.142	ug/L #	86
25) Chloroform	7.52	83	7345	1.348	ug/L	85
27) 1,2-Dichloroethane	8.25	62	4591	1.255	ug/L #	90
29) Cyclohexane	7.79	56	5438	1.111	ug/L	97
30) 1,1,1-Trichloroethane	7.71	97	5581	1.169	ug/L	98
31) Carbon tetrachloride	7.92	117	5109	1.181	ug/L	95
33) Benzene	8.17	78	15008	1.156	ug/L	100
34) Trichloroethene	8.95	95	4133	1.183	ug/L	94
35) Methylcyclohexane	9.19	83	6529	1.187	ug/L	96
37) 1,2-Dichloropropane	9.22	63	3892	1.200	ug/L #	84
38) Bromodichloromethane	9.50	83	4775	1.151	ug/L	86
39) cis-1,3-Dichloropropene	9.93	75	5690	1.112	ug/L	97
40) 4-Methyl-2-pentanone	10.07	43	7346	2.502	ug/L	95
42) Toluene	10.25	91	16661	1.205	ug/L	98
44) trans-1,3-Dichloropropene	10.47	75	7239	1.519	ug/L	99
45) 1,1,2-Trichloroethane	10.65	97	3481	1.229	ug/L	88
46) Tetrachloroethene	10.72	164	3444	1.227	ug/L	96
48) 2-Hexanone	10.83	43	4755	2.322	ug/L #	93
49) Dibromochloromethane	10.98	129	3920	1.201	ug/L	93
50) 1,2-Dibromoethane	11.09	107	3302	1.208	ug/L #	98
51) Chlorobenzene	11.52	112	11241	1.230	ug/L	93
52) Ethylbenzene	11.59	91	17662	1.184	ug/L	95
53) m,p-Xylene	11.70	106	7201	1.235	ug/L	94
54) o-Xylene	12.03	106	6314	1.133	ug/L	83
55) Styrene	12.04	104	10450	1.098	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.58	83	4295	1.398	ug/L #	82
59) Bromoform	12.21	173	2481	1.131	ug/L	92
60) Isopropylbenzene	12.33	105	16037	1.120	ug/L	98
61) 1,2,3-Trichloropropane	12.64	75	3304	1.258	ug/L	97
62) 1,3,5-Trimethylbenzene	12.81	105	12449	1.096	ug/L	96
63) 1,2,4-Trimethylbenzene	13.12	105	12102	1.073	ug/L	97
64) 1,3-Dichlorobenzene	13.37	146	8588	1.237	ug/L	92
65) 1,4-Dichlorobenzene	13.45	146	9285	1.321	ug/L	94
67) 1,2-Dichlorobenzene	13.74	146	8404	1.302	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.35	75	774m	1.341	ug/L	
69) 1,3,5-Trichlorobenzene	14.50	180	6503	1.322	ug/L	94
70) 1,2,4-trichlorobenzene	15.01	180	5341	1.277	ug/L	99
71) Naphthalene	15.24	128	9736	1.097	ug/L	97
72) 1,2,3-Trichlorobenzene	15.42	180	5014	1.307	ug/L	97

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

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