

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122220\
 Data File : VY003833.D
 Acq On : 22 Dec 2020 13:00
 Operator : SY/MD
 Sample : L4485-07
 Misc : 5.00G/10ML/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-SOIL-07

Quant Time: Dec 22 13:16:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SFAMYL120720SMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 22 13:14:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	279797	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	260191	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.42	152	136295	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	55343	18.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	75.96%
7) Chloroethane-d5	2.77	69	51885	22.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	3.86	63	95242	15.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	62.20%
21) 2-Butanone-d5	6.90	46	63337	44.81	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.62%
24) Chloroform-d	7.48	84	140669	22.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.32%
26) 1,2-Dichloroethane-d4	8.14	65	82282	23.87	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.48%
32) Benzene-d6	8.11	84	297837	23.11	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.44%
36) 1,2-Dichloropropane-d6	9.12	67	87377	22.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.24%
41) Toluene-d8	10.18	98	275410	23.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.04%
43) trans-1,3-Dichloropropene-	10.43	79	43171	22.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.96%
47) 2-Hexanone-d5	10.79	63	52860	47.71	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.42%
56) 1,1,2,2-Tetrachloroethane-	12.56	84	89211	24.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.68%
66) 1,2-Dichlorobenzene-d4	13.72	152	110234	24.89	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.91	85	5758	1.966 ug/L	97
3) Chloromethane	2.12	50	5610	1.670 ug/L	95
5) Vinyl chloride	2.25	62	5262	1.554 ug/L #	74
6) Bromomethane	2.66	94	2887	1.325 ug/L	77
8) Chloroethane	2.80	64	2842	1.342 ug/L	90
9) Trichlorofluoromethane	3.13	101	7706	1.452 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	3.91	101	5504	1.575 ug/L #	63
12) 1,1-Dichloroethene	3.88	96	5239	1.573 ug/L #	1
13) Acetone	3.95	43	2589	2.672 ug/L	70
14) Carbon disulfide	4.20	76	15149	1.406 ug/L	97
15) Methyl Acetate	4.48	43	2561	1.043 ug/L #	88
16) Methylene chloride	4.72	84	16479	3.369 ug/L	88
17) trans-1,2-Dichloroethene	5.22	96	4850m	1.306 ug/L	
18) Methyl tert-butyl Ether	5.23	73	10877m	1.160 ug/L	
19) 1,1-Dichloroethane	6.03	63	7296m	1.183 ug/L	
20) cis-1,2-Dichloroethene	7.00	96	4828	1.213 ug/L	89
22) 2-Butanone	6.99	43	3808	2.223 ug/L	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.34	128	2624	1.325	ug/L	98
25) Chloroform	7.52	83	8946	1.421	ug/L	92
27) 1,2-Dichloroethane	8.25	62	5173	1.224	ug/L	99
29) Cyclohexane	7.78	56	3997	0.720	ug/L #	28
30) 1,1,1-Trichloroethane	7.71	97	7189	1.328	ug/L	96
31) Carbon tetrachloride	7.91	117	6549	1.336	ug/L	96
33) Benzene	8.16	78	17764	1.207	ug/L	100
34) Trichloroethene	8.94	95	4796	1.211	ug/L	87
35) Methylcyclohexane	9.18	83	7793	1.249	ug/L	97
37) 1,2-Dichloropropane	9.22	63	4236	1.152	ug/L #	94
38) Bromodichloromethane	9.50	83	5445	1.158	ug/L #	92
39) cis-1,3-Dichloropropene	9.93	75	6911	1.192	ug/L	93
40) 4-Methyl-2-pentanone	10.07	43	7049	2.118	ug/L #	95
42) Toluene	10.24	91	19684	1.256	ug/L	96
44) trans-1,3-Dichloropropene	10.47	75	8627	1.597	ug/L	93
45) 1,1,2-Trichloroethane	10.64	97	3682	1.147	ug/L #	86
46) Tetrachloroethene	10.72	164	4528	1.423	ug/L	82
48) 2-Hexanone	10.83	43	5194	2.238	ug/L #	92
49) Dibromochloromethane	10.98	129	4347	1.175	ug/L	79
50) 1,2-Dibromoethane	11.09	107	3693	1.192	ug/L #	97
51) Chlorobenzene	11.51	112	13075	1.262	ug/L	92
52) Ethylbenzene	11.59	91	20662	1.222	ug/L	93
53) m,p-Xylene	11.70	106	8074	1.221	ug/L	100
54) o-Xylene	12.03	106	7353	1.164	ug/L	94
55) Styrene	12.04	104	12476	1.156	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.58	83	5155	1.480	ug/L #	89
59) Bromoform	12.21	173	3171	1.248	ug/L #	89
60) Isopropylbenzene	12.33	105	19016	1.147	ug/L	99
61) 1,2,3-Trichloropropane	12.64	75	3805	1.251	ug/L	96
62) 1,3,5-Trimethylbenzene	12.81	105	15248	1.160	ug/L	97
63) 1,2,4-Trimethylbenzene	13.12	105	14981	1.147	ug/L	95
64) 1,3-Dichlorobenzene	13.37	146	11334	1.411	ug/L	99
65) 1,4-Dichlorobenzene	13.45	146	10839	1.332	ug/L	97
67) 1,2-Dichlorobenzene	13.74	146	9716	1.300	ug/L	96
68) 1,2-Dibromo-3-chloropropan	14.35	75	1032	1.545	ug/L #	74
69) 1,3,5-Trichlorobenzene	15.01	180	6212	1.091	ug/L	93
70) 1,2,4-trichlorobenzene	15.01	180	6212	1.283	ug/L	90
71) Naphthalene	15.23	128	11855	1.154	ug/L	98
72) 1,2,3-Trichlorobenzene	15.42	180	6036	1.360	ug/L	99

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

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