

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003550.D
 Acq On : 19 Nov 2020 16:12
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:22:48 AM

Quant Time: Nov 20 03:00:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111920S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 20 01:42:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.69	114	232191	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	205673	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	97160	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	54994	21.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.96%
7) Chloroethane-d5	2.77	69	51579	21.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.88%
10) 1,1-Dichloroethene-d2	3.86	63	105459	16.67	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.68%
20) 2-Butanone-d5	6.91	46	64376	49.89	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.78%
24) Chloroform-d	7.49	84	140946	23.88	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.52%
26) 1,2-Dichloroethane-d4	8.15	65	81309	24.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.32%
29) Benzene-d6	8.11	84	295204	24.64	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.56%
33) 1,2-Dichloropropane-d6	9.13	67	88394	25.16	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.64%
37) Toluene-d8	10.18	98	260318	24.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	97.00%
38) trans-1,3-Dichloropropene-	10.44	79	43890	25.03	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.12%
39) 2-Hexanone-d5	10.79	63	46273	50.65	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	101.30%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	72221	23.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.36%
61) 1,2-Dichlorobenzene-d4	13.72	152	76924	24.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.93	85	1206m	0.980	ug/L	
3) Chloromethane	2.12	50	3388	1.308	ug/L	87
5) Vinyl chloride	2.26	62	4088	1.321	ug/L #	56
6) Bromomethane	2.66	94	2998	1.248	ug/L	100
8) Chloroethane	2.82	64	2569	1.223	ug/L	91
9) Trichlorofluoromethane	3.13	101	3178	1.072	ug/L	93
11) 1,1,2-Trichloro-1,2,2-trif	3.92	101	4969m	1.616	ug/L	
12) 1,1-Dichloroethene	3.88	96	5174	1.609	ug/L #	1
13) Acetone	3.98	43	2855	3.082	ug/L	59
14) Carbon disulfide	4.20	76	13192	1.238	ug/L #	95
15) Methyl Acetate	4.49	43	3119	1.326	ug/L #	85
16) Methylene chloride	4.72	84	12011	3.017	ug/L	94
17) Methyl tert-butyl Ether	5.22	73	6646m	1.323	ug/L	
18) trans-1,2-Dichloroethene	5.22	96	4334	1.279	ug/L	92
19) 1,1-Dichloroethane	6.03	63	6858	1.198	ug/L	93
21) 2-Butanone	7.01	43	5772m	3.700	ug/L	
22) cis-1,2-Dichloroethene	6.99	96	4641	1.333	ug/L	94

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

23) Bromochloromethane	7.34	128	2124	1.260	ug/L	78
25) Chloroform	7.52	83	7744m	1.361	ug/L	
27) 1,2-Dichloroethane	8.25	62	5185	1.349	ug/L	95
30) Cyclohexane	7.79	56	5739	1.148	ug/L #	90
31) 1,1,1-Trichloroethane	7.71	97	5918m	1.323	ug/L	
32) Carbon tetrachloride	7.91	117	5083	1.195	ug/L	97
34) Benzene	8.17	78	16506	1.272	ug/L	100
35) Trichloroethene	8.94	95	4147	1.262	ug/L	98
36) Methylcyclohexane	9.18	83	5543	1.079	ug/L	89
40) 1,2-Dichloropropane	9.22	63	3894	1.217	ug/L	99
41) Bromodichloromethane	9.50	83	5053	1.238	ug/L #	97
42) cis-1,3-Dichloropropene	9.93	75	6096	1.208	ug/L	86
43) 4-Methyl-2-pentanone	10.08	43	8683	3.244	ug/L	98
44) Toluene	10.25	91	16851	1.232	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	8350	1.797	ug/L	94
46) 1,1,2-Trichloroethane	10.65	97	3378	1.322	ug/L	89
47) Tetrachloroethene	10.72	164	3425	1.199	ug/L	88
49) 2-Hexanone	10.83	43	5088	2.407	ug/L	92
50) Dibromochloromethane	10.98	129	3957	1.284	ug/L	85
51) 1,2-Dibromoethane	11.09	107	3283	1.289	ug/L #	94
52) Chlorobenzene	11.52	112	10819	1.239	ug/L	95
53) Ethylbenzene	11.59	91	16150	1.150	ug/L	98
54) m,p-Xylene	11.70	106	6116	1.131	ug/L	90
55) o-xylene	12.03	106	4725	1.047	ug/L	95
56) Styrene	12.04	104	9341	1.057	ug/L	99
57) Isopropylbenzene	12.33	105	10345	1.013	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	3981	1.320	ug/L #	83
59) 1,2,3-Trichloropropane	12.63	75	2937	1.251	ug/L	95
62) Bromoform	12.20	173	2473	1.254	ug/L	97
63) 1,3-Dichlorobenzene	13.36	146	7434	1.212	ug/L	95
64) 1,4-Dichlorobenzene	13.44	146	8480	1.343	ug/L	93
65) 1,2-Dichlorobenzene	13.74	146	6313	1.250	ug/L	93
66) 1,2-Dibromo-3-chloropropan	14.35	75	663m	1.543	ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	3690	1.134	ug/L	93
68) 1,2,4-trichlorobenzene	15.00	180	3391	1.210	ug/L	96
69) Naphthalene	15.23	128	5719	1.157	ug/L	100
70) 1,2,3-Trichlorobenzene	15.42	180	2563	1.210	ug/L	99

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

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