

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003553.D
 Acq On : 19 Nov 2020 17:16
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:23:01 AM

Quant Time: Nov 20 03:07:50 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	232482	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	212299	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	102329	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	52492	20.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.96%
7) Chloroethane-d5	2.77	69	50075	21.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.24%
10) 1,1-Dichloroethene-d2	3.86	63	100148	15.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.24%
20) 2-Butanone-d5	6.91	46	63606	49.23	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.46%
24) Chloroform-d	7.49	84	139385	23.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.36%
26) 1,2-Dichloroethane-d4	8.14	65	80554	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.28%
29) Benzene-d6	8.11	84	289635	23.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.68%
33) 1,2-Dichloropropane-d6	9.12	67	88629	24.44	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.76%
37) Toluene-d8	10.18	98	259191	23.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.56%
38) trans-1,3-Dichloropropene-	10.44	79	42470	23.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.88%
39) 2-Hexanone-d5	10.79	63	45183	47.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.82%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	75567	23.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.68%
61) 1,2-Dichlorobenzene-d4	13.72	152	81949	24.81	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.24%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.93	85	1256m	1.019 ug/L
3) Chloromethane	2.11	50	2910	1.122 ug/L
5) Vinyl chloride	2.26	62	3676	1.187 ug/L #
6) Bromomethane	2.67	94	2668	1.110 ug/L
8) Chloroethane	2.80	64	2189m	1.041 ug/L
9) Trichlorofluoromethane	3.14	101	2765	0.931 ug/L
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	4683m	1.521 ug/L
12) 1,1-Dichloroethene	3.89	96	4624m	1.436 ug/L
13) Acetone	3.97	43	3000m	3.234 ug/L
14) Carbon disulfide	4.21	76	11570	1.085 ug/L
15) Methyl Acetate	4.49	43	2701	1.147 ug/L #
16) Methylene chloride	4.72	84	11020	2.765 ug/L
17) Methyl tert-butyl Ether	5.24	73	6031m	1.199 ug/L
18) trans-1,2-Dichloroethene	5.23	96	4046m	1.192 ug/L
19) 1,1-Dichloroethane	6.02	63	6324m	1.103 ug/L
21) 2-Butanone	7.00	43	5096	3.262 ug/L
22) cis-1,2-Dichloroethene	7.00	96	4253m	1.220 ug/L

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.34	128	1841	1.091	ug/L	92
25) Chloroform	7.52	83	7186	1.261	ug/L #	73
27) 1,2-Dichloroethane	8.24	62	4881	1.268	ug/L	95
30) Cyclohexane	7.78	56	4767	0.923	ug/L #	95
31) 1,1,1-Trichloroethane	7.71	97	4991	1.081	ug/L	98
32) Carbon tetrachloride	7.91	117	4778	1.088	ug/L	95
34) Benzene	8.17	78	15259	1.139	ug/L	100
35) Trichloroethene	8.95	95	3795	1.119	ug/L	97
36) Methylcyclohexane	9.19	83	5216m	0.984	ug/L	
40) 1,2-Dichloropropane	9.22	63	3983	1.206	ug/L #	91
41) Bromodichloromethane	9.50	83	4790	1.137	ug/L	94
42) cis-1,3-Dichloropropene	9.93	75	5882	1.130	ug/L	97
43) 4-Methyl-2-pentanone	10.07	43	5914	2.141	ug/L	98
44) Toluene	10.24	91	16023	1.135	ug/L	96
45) trans-1,3-Dichloropropene	10.46	75	7381	1.539	ug/L	98
46) 1,1,2-Trichloroethane	10.64	97	3112	1.180	ug/L	93
47) Tetrachloroethene	10.72	164	3514	1.192	ug/L	96
49) 2-Hexanone	10.83	43	4971m	2.278	ug/L	
50) Dibromochloromethane	10.98	129	3777	1.187	ug/L	91
51) 1,2-Dibromoethane	11.08	107	3098	1.178	ug/L #	75
52) Chlorobenzene	11.52	112	9812	1.088	ug/L	95
53) Ethylbenzene	11.59	91	15352	1.059	ug/L	97
54) m,p-Xylene	11.70	106	5972	1.070	ug/L	91
55) o-xylene	12.03	106	4768	1.023	ug/L	96
56) Styrene	12.04	104	9126	1.000	ug/L	96
57) Isopropylbenzene	12.33	105	10192	0.967	ug/L #	96
58) 1,1,2,2-Tetrachloroethane	12.58	83	4098	1.317	ug/L #	96
59) 1,2,3-Trichloropropane	12.63	75	2860	1.180	ug/L	94
62) Bromoform	12.20	173	2420	1.165	ug/L #	97
63) 1,3-Dichlorobenzene	13.36	146	7531	1.166	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	7720	1.161	ug/L	95
65) 1,2-Dichlorobenzene	13.73	146	6251	1.175	ug/L	97
67) 1,3,5-Trichlorobenzene	14.50	180	4298	1.255	ug/L	90
68) 1,2,4-trichlorobenzene	15.00	180	3202	1.085	ug/L	98
69) Naphthalene	15.23	128	5487	1.054	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	2716	1.218	ug/L	95

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

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