

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003549.D
 Acq On : 19 Nov 2020 15:50
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:22:43 AM

Quant Time: Nov 20 02:58:06 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	238214	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	216526	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	101615	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	51375	19.57	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.28%
7) Chloroethane-d5	2.77	69	49415	20.28	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.12%
10) 1,1-Dichloroethene-d2	3.86	63	97653	15.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	60.20%
20) 2-Butanone-d5	6.91	46	56525	42.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.40%
24) Chloroform-d	7.49	84	130654	21.58	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.32%
26) 1,2-Dichloroethane-d4	8.15	65	76021	22.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	89.60%
29) Benzene-d6	8.11	84	273804	21.70	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.80%
33) 1,2-Dichloropropane-d6	9.13	67	81658	22.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.32%
37) Toluene-d8	10.18	98	244109	21.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.40%
38) trans-1,3-Dichloropropene-	10.44	79	39467	21.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	85.52%
39) 2-Hexanone-d5	10.79	63	40681	42.30	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.60%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	67057	20.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	83.24%
61) 1,2-Dichlorobenzene-d4	13.72	152	73453	22.39	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	89.56%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.93	85	1323m	1.048	ug/L	
3) Chloromethane	2.11	50	3392	1.276	ug/L	93
5) Vinyl chloride	2.26	62	4301	1.355	ug/L #	59
6) Bromomethane	2.67	94	3231	1.311	ug/L	96
8) Chloroethane	2.80	64	2496	1.158	ug/L	99
9) Trichlorofluoromethane	3.13	101	3041	1.000	ug/L	90
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	4844m	1.535	ug/L	
12) 1,1-Dichloroethene	3.88	96	4905	1.487	ug/L #	1
13) Acetone	3.98	43	3270m	3.440	ug/L	
14) Carbon disulfide	4.20	76	12744	1.166	ug/L #	95
15) Methyl Acetate	4.49	43	2970m	1.231	ug/L	
16) Methylene chloride	4.72	84	12804	3.135	ug/L	94
17) Methyl tert-butyl Ether	5.22	73	6220	1.207	ug/L #	71
18) trans-1,2-Dichloroethene	5.23	96	3999	1.150	ug/L	91
19) 1,1-Dichloroethane	6.03	63	7232	1.232	ug/L	98
21) 2-Butanone	7.01	43	5410m	3.380	ug/L	
22) cis-1,2-Dichloroethene	6.99	96	4715m	1.320	ug/L	

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

23) Bromochloromethane	7.33	128	2139	1.237	ug/L	83
25) Chloroform	7.52	83	7794	1.335	ug/L	75
27) 1,2-Dichloroethane	8.24	62	4853	1.230	ug/L #	77
30) Cyclohexane	7.79	56	5588	1.061	ug/L	99
31) 1,1,1-Trichloroethane	7.71	97	5270	1.119	ug/L	97
32) Carbon tetrachloride	7.91	117	5040	1.126	ug/L	100
34) Benzene	8.17	78	16172	1.184	ug/L	100
35) Trichloroethene	8.94	95	4437	1.283	ug/L	93
36) Methylcyclohexane	9.19	83	5493	1.016	ug/L	94
40) 1,2-Dichloropropane	9.22	63	4220	1.253	ug/L #	97
41) Bromodichloromethane	9.50	83	5048	1.174	ug/L #	97
42) cis-1,3-Dichloropropene	9.93	75	6483	1.221	ug/L	98
43) 4-Methyl-2-pentanone	10.08	43	6260	2.222	ug/L	98
44) Toluene	10.25	91	16948	1.177	ug/L	94
45) trans-1,3-Dichloropropene	10.46	75	7292	1.491	ug/L	89
46) 1,1,2-Trichloroethane	10.64	97	3252	1.209	ug/L	94
47) Tetrachloroethene	10.72	164	3377	1.123	ug/L	89
49) 2-Hexanone	10.83	43	4948	2.223	ug/L	97
50) Dibromochloromethane	10.99	129	3888	1.198	ug/L	76
51) 1,2-Dibromoethane	11.09	107	3146	1.173	ug/L	90
52) Chlorobenzene	11.52	112	11123	1.210	ug/L	92
53) Ethylbenzene	11.59	91	15308	1.035	ug/L	99
54) m,p-Xylene	11.70	106	5880	1.033	ug/L	100
55) o-xylene	12.03	106	4869	1.025	ug/L	93
56) Styrene	12.04	104	9512	1.022	ug/L	96
57) Isopropylbenzene	12.33	105	10930	1.016	ug/L	95
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	3825	1.205	ug/L #	98
59) 1,2,3-Trichloropropane	12.63	75	2627	1.063	ug/L	93
62) Bromoform	12.20	173	2264	1.098	ug/L	96
63) 1,3-Dichlorobenzene	13.36	146	7764	1.211	ug/L	96
64) 1,4-Dichlorobenzene	13.45	146	8655	1.311	ug/L	96
65) 1,2-Dichlorobenzene	13.73	146	6509	1.233	ug/L	96
66) 1,2-Dibromo-3-chloropropan	14.36	75	599m	1.333	ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	3910	1.149	ug/L	95
68) 1,2,4-trichlorobenzene	15.00	180	3331	1.137	ug/L	97
69) Naphthalene	15.23	128	5657	1.094	ug/L	96
70) 1,2,3-Trichlorobenzene	15.42	180	2441	1.102	ug/L #	94

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

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