

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003552.D
 Acq On : 19 Nov 2020 16:54
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:22:56 AM

Quant Time: Nov 20 03:05:15 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	226811	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	205053	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	96641	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.25	65	50973	20.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.56%
7) Chloroethane-d5	2.77	69	48637	20.97	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.88%
10) 1,1-Dichloroethene-d2	3.86	63	98309	15.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.64%
20) 2-Butanone-d5	6.91	46	59848	47.48	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.96%
24) Chloroform-d	7.49	84	134373	23.31	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	93.24%
26) 1,2-Dichloroethane-d4	8.14	65	78576	24.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.28%
29) Benzene-d6	8.11	84	282112	23.61	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.44%
33) 1,2-Dichloropropane-d6	9.13	67	84120	24.01	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.04%
37) Toluene-d8	10.18	98	250815	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	93.72%
38) trans-1,3-Dichloropropene-	10.44	79	40494	23.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.68%
39) 2-Hexanone-d5	10.79	63	44256	48.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.18%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	73016	23.93	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	95.72%
61) 1,2-Dichlorobenzene-d4	13.72	152	79726	25.56	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.24%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.92	85	1192	0.992 ug/L	85
3) Chloromethane	2.11	50	3268	1.292 ug/L	97
5) Vinyl chloride	2.26	62	3832	1.268 ug/L #	34
6) Bromomethane	2.67	94	2974	1.268 ug/L	94
8) Chloroethane	2.81	64	2510	1.223 ug/L	86
9) Trichlorofluoromethane	3.13	101	3034	1.047 ug/L #	66
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	4518m	1.504 ug/L	
12) 1,1-Dichloroethene	3.88	96	4012	1.277 ug/L #	1
13) Acetone	3.98	43	3125	3.453 ug/L	73
14) Carbon disulfide	4.21	76	12144	1.167 ug/L	97
15) Methyl Acetate	4.49	43	2288	0.996 ug/L	98
16) Methylene chloride	4.73	84	12518	3.219 ug/L	93
17) Methyl tert-butyl Ether	5.22	73	5899m	1.202 ug/L	
18) trans-1,2-Dichloroethene	5.24	96	4003	1.209 ug/L	85
19) 1,1-Dichloroethane	6.03	63	6611m	1.182 ug/L	
21) 2-Butanone	6.99	43	5464m	3.585 ug/L	
22) cis-1,2-Dichloroethene	7.00	96	4374	1.286 ug/L #	76

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

23) Bromochloromethane	7.35	128	2126	1.291	ug/L	79
25) Chloroform	7.51	83	7297	1.312	ug/L #	72
27) 1,2-Dichloroethane	8.24	62	4981	1.326	ug/L	100
30) Cyclohexane	7.79	56	4973	0.997	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	5220m	1.170	ug/L	
32) Carbon tetrachloride	7.91	117	4580	1.080	ug/L	91
34) Benzene	8.16	78	16220	1.254	ug/L	100
35) Trichloroethene	8.94	95	3848	1.175	ug/L	96
36) Methylcyclohexane	9.19	83	5890	1.150	ug/L #	81
40) 1,2-Dichloropropane	9.22	63	3989	1.251	ug/L	98
41) Bromodichloromethane	9.50	83	4987	1.225	ug/L	96
42) cis-1,3-Dichloropropene	9.93	75	5906	1.174	ug/L	94
43) 4-Methyl-2-pentanone	10.07	43	7814	2.928	ug/L	98
44) Toluene	10.24	91	16446	1.206	ug/L	98
45) trans-1,3-Dichloropropene	10.46	75	5645	1.219	ug/L	95
46) 1,1,2-Trichloroethane	10.64	97	3201	1.256	ug/L	93
47) Tetrachloroethene	10.72	164	3595	1.263	ug/L	93
49) 2-Hexanone	10.83	43	4610	2.187	ug/L	96
50) Dibromochloromethane	10.99	129	3569	1.162	ug/L	99
51) 1,2-Dibromoethane	11.09	107	3208	1.263	ug/L	94
52) Chlorobenzene	11.52	112	10409	1.195	ug/L	97
53) Ethylbenzene	11.59	91	15406	1.100	ug/L	100
54) m,p-Xylene	11.70	106	6063	1.125	ug/L	98
55) o-xylene	12.03	106	4771	1.060	ug/L	96
56) Styrene	12.04	104	9162	1.040	ug/L	90
57) Isopropylbenzene	12.33	105	10530	1.034	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	3680	1.224	ug/L #	99
59) 1,2,3-Trichloropropane	12.63	75	2805	1.199	ug/L	98
62) Bromoform	12.20	173	2384	1.215	ug/L #	39
63) 1,3-Dichlorobenzene	13.36	146	7093	1.163	ug/L	98
64) 1,4-Dichlorobenzene	13.44	146	8433	1.343	ug/L	91
65) 1,2-Dichlorobenzene	13.73	146	6457	1.286	ug/L	94
66) 1,2-Dibromo-3-chloropropan	14.36	75	615m	1.439	ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	3981	1.231	ug/L	96
68) 1,2,4-trichlorobenzene	15.00	180	3260	1.170	ug/L	96
69) Naphthalene	15.23	128	5392	1.097	ug/L	97
70) 1,2,3-Trichlorobenzene	15.42	180	2622	1.245	ug/L #	86

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

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