

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111920\
 Data File : VY003548.D
 Acq On : 19 Nov 2020 15:19
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2020 10:22:38 AM

Quant Time: Nov 20 02:40:43 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	234322	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	211987	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	98465	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.26	65	48194	18.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.64%
7) Chloroethane-d5	2.77	69	46462	19.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.56%
10) 1,1-Dichloroethene-d2	3.86	63	94922	14.87	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	59.48%
20) 2-Butanone-d5	6.91	46	56145	43.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.24%
24) Chloroform-d	7.49	84	124739	20.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.76%
26) 1,2-Dichloroethane-d4	8.14	65	72398	21.69	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	86.76%
29) Benzene-d6	8.11	84	265987	21.54	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	86.16%
33) 1,2-Dichloropropane-d6	9.13	67	78500	21.68	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	86.72%
37) Toluene-d8	10.18	98	237579	21.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	85.88%
38) trans-1,3-Dichloropropene-	10.44	79	38292	21.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.76%
39) 2-Hexanone-d5	10.79	63	40056	42.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.08%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	64151	20.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	81.32%
61) 1,2-Dichlorobenzene-d4	13.72	152	70518	22.19	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.76%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.92	85	1197	0.964 ug/L #	74
3) Chloromethane	2.12	50	3523	1.348 ug/L	98
5) Vinyl chloride	2.27	62	4218	1.351 ug/L #	64
6) Bromomethane	2.66	94	2980	1.230 ug/L	92
8) Chloroethane	2.80	64	2804	1.323 ug/L	85
9) Trichlorofluoromethane	3.13	101	3237	1.082 ug/L	90
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	5055m	1.629 ug/L	
12) 1,1-Dichloroethene	3.88	96	4854	1.496 ug/L #	1
13) Acetone	3.99	43	3446m	3.686 ug/L	
14) Carbon disulfide	4.20	76	12991	1.208 ug/L	97
15) Methyl Acetate	4.49	43	2942	1.240 ug/L	91
16) Methylene chloride	4.72	84	12058	3.002 ug/L	97
17) Methyl tert-butyl Ether	5.22	73	6206m	1.224 ug/L	
18) trans-1,2-Dichloroethene	5.22	96	4542	1.328 ug/L	91
19) 1,1-Dichloroethane	6.03	63	6968	1.206 ug/L #	95
21) 2-Butanone	7.00	43	4969	3.156 ug/L #	70
22) cis-1,2-Dichloroethene	6.99	96	4237	1.206 ug/L	85

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23) Bromochloromethane	7.34	128	2081	1.223	ug/L	94
25) Chloroform	7.50	83	7912	1.377	ug/L	80
27) 1,2-Dichloroethane	8.24	62	5031	1.297	ug/L #	82
30) Cyclohexane	7.79	56	5877	1.140	ug/L	95
31) 1,1,1-Trichloroethane	7.71	97	5696	1.235	ug/L	99
32) Carbon tetrachloride	7.91	117	5388	1.229	ug/L	100
34) Benzene	8.16	78	16895	1.263	ug/L	100
35) Trichloroethene	8.94	95	4236	1.251	ug/L	98
36) Methylcyclohexane	9.19	83	6483	1.225	ug/L	95
40) 1,2-Dichloropropane	9.22	63	3865	1.172	ug/L	98
41) Bromodichloromethane	9.49	83	5177	1.230	ug/L	93
42) cis-1,3-Dichloropropene	9.93	75	6059	1.165	ug/L	89
43) 4-Methyl-2-pentanone	10.08	43	6172	2.237	ug/L	97
44) Toluene	10.24	91	17462	1.239	ug/L	95
45) trans-1,3-Dichloropropene	10.46	75	5782	1.207	ug/L	93
46) 1,1,2-Trichloroethane	10.64	97	3233	1.227	ug/L	95
47) Tetrachloroethene	10.72	164	3434	1.167	ug/L	88
49) 2-Hexanone	10.83	43	5123	2.351	ug/L	98
50) Dibromochloromethane	10.98	129	3773	1.188	ug/L	98
51) 1,2-Dibromoethane	11.09	107	3340	1.272	ug/L #	98
52) Chlorobenzene	11.52	112	11183	1.242	ug/L	99
53) Ethylbenzene	11.59	91	16182	1.118	ug/L	96
54) m,p-Xylene	11.70	106	6431	1.154	ug/L	76
55) o-xylene	12.02	106	5438	1.169	ug/L	87
56) Styrene	12.04	104	9756	1.071	ug/L	99
57) Isopropylbenzene	12.33	105	11325	1.076	ug/L #	95
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	4079	1.313	ug/L #	90
59) 1,2,3-Trichloropropane	12.63	75	2868	1.186	ug/L	98
62) Bromoform	12.21	173	2493	1.247	ug/L	99
63) 1,3-Dichlorobenzene	13.36	146	8300	1.336	ug/L	97
64) 1,4-Dichlorobenzene	13.44	146	8751	1.368	ug/L	96
65) 1,2-Dichlorobenzene	13.73	146	6592	1.288	ug/L	91
66) 1,2-Dibromo-3-chloropropan	14.35	75	559m	1.283	ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	4268	1.295	ug/L	94
68) 1,2,4-trichlorobenzene	15.00	180	3355	1.182	ug/L	96
69) Naphthalene	15.23	128	5827	1.163	ug/L	95
70) 1,2,3-Trichlorobenzene	15.42	180	2636	1.228	ug/L	98

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

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