

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000653.D
 Acq On : 12 Nov 2019 14:14
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:06:49 PM

Quant Time: Nov 13 10:06:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 03:17:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	369592	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	332899	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	156357	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	123994	23.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.00%
7) Chloroethane-d5	2.76	69	114568	24.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.80%
10) 1,1-Dichloroethene-d2	3.85	63	172083	17.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.40%
20) 2-Butanone-d5	6.90	46	102685	47.68	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.36%
24) Chloroform-d	7.49	84	216762	22.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	8.15	65	131973	23.47	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.88%
29) Benzene-d6	8.12	84	465590	24.09	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.36%
33) 1,2-Dichloropropane-d6	9.13	67	146426	24.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.68%
37) Toluene-d8	10.18	98	426027	23.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.36%
38) trans-1,3-Dichloropropene-	10.44	79	65649	23.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.88%
39) 2-Hexanone-d5	10.79	63	78365	47.86	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.72%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	135603	23.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	92.04%
61) 1,2-Dichlorobenzene-d4	13.72	152	146468	23.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	6066	1.242 ug/L	92
3) Chloromethane	2.12	50	7444	1.216 ug/L	95
5) Vinyl chloride	2.25	62	7362	1.205 ug/L #	79
6) Bromomethane	2.65	94	4066	1.219 ug/L	92
8) Chloroethane	2.79	64	4737	1.236 ug/L #	50
9) Trichlorofluoromethane	3.12	101	9822	1.135 ug/L	97
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	6022m	1.227 ug/L	
12) 1,1-Dichloroethene	3.87	96	6190	1.292 ug/L #	1
13) Acetone	3.96	43	4781m	3.034 ug/L	
14) Carbon disulfide	4.19	76	15354	1.038 ug/L	97
15) Methyl Acetate	4.49	43	4055m	1.123 ug/L	
16) Methylene chloride	4.72	84	10654m	1.746 ug/L	
17) Methyl tert-butyl Ether	5.22	73	16438	1.128 ug/L #	77
18) trans-1,2-Dichloroethene	5.22	96	6472m	1.209 ug/L	
19) 1,1-Dichloroethane	6.02	63	10798m	1.147 ug/L	
21) 2-Butanone	7.00	43	8049	2.899 ug/L	81
22) cis-1,2-Dichloroethene	7.00	96	6505m	1.099 ug/L	

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

23) Bromochloromethane	7.35	128	3179m	1.230	ug/L	
25) Chloroform	7.52	83	18713	1.844	ug/L	85
27) 1,2-Dichloroethane	8.24	62	8968	1.322	ug/L #	94
30) Cyclohexane	7.80	56	9788	1.077	ug/L	97
31) 1,1,1-Trichloroethane	7.72	97	9281	1.132	ug/L	95
32) Carbon tetrachloride	7.91	117	8155	1.141	ug/L	95
34) Benzene	8.17	78	26939	1.238	ug/L	100
35) Trichloroethene	8.95	95	6520	1.142	ug/L	94
36) Methylcyclohexane	9.19	83	9754	0.999	ug/L	88
40) 1,2-Dichloropropane	9.22	63	6418	1.164	ug/L #	92
41) Bromodichloromethane	9.50	83	8700	1.226	ug/L	80
42) cis-1,3-Dichloropropene	9.93	75	10648m	1.198	ug/L	
43) 4-Methyl-2-pentanone	10.08	43	13003	2.465	ug/L	98
44) Toluene	10.24	91	26090	1.109	ug/L	91
45) trans-1,3-Dichloropropene	10.47	75	8457m	1.108	ug/L	
46) 1,1,2-Trichloroethane	10.65	97	5874	1.298	ug/L	83
47) Tetrachloroethene	10.72	164	4728	1.110	ug/L	94
49) 2-Hexanone	10.83	43	11927	2.903	ug/L	93
50) Dibromochloromethane	10.99	129	5508	1.078	ug/L	89
51) 1,2-Dibromoethane	11.09	107	5219	1.185	ug/L #	84
52) Chlorobenzene	11.51	112	16897	1.132	ug/L	92
53) Ethylbenzene	11.60	91	28886	1.085	ug/L	97
54) m,p-Xylene	11.70	106	10624	1.055	ug/L	99
55) o-xylene	12.03	106	10239	1.036	ug/L	90
56) Styrene	12.04	104	17422	1.061	ug/L	98
57) Isopropylbenzene	12.33	105	26932	1.047	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	8158	1.445	ug/L #	93
59) 1,2,3-Trichloropropane	12.64	75	5743	1.251	ug/L	96
62) Bromoform	12.21	173	3289	1.108	ug/L	94
63) 1,3-Dichlorobenzene	13.36	146	13502	1.211	ug/L	95
64) 1,4-Dichlorobenzene	13.44	146	13690	1.228	ug/L	93
65) 1,2-Dichlorobenzene	13.74	146	13088	1.267	ug/L	95
66) 1,2-Dibromo-3-chloropropan	14.36	75	1615	1.646	ug/L #	70
67) 1,3,5-Trichlorobenzene	14.50	180	8819	1.134	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	8184	1.178	ug/L	97
69) Naphthalene	15.23	128	21753	1.256	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	7960	1.232	ug/L	98

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

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