

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000656.D
 Acq On : 12 Nov 2019 15:18
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:07:06 PM

Quant Time: Nov 13 10:12:01 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	356843	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	323475	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	155324	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	118483	23.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.04%
7) Chloroethane-d5	2.76	69	109189	24.38	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.52%
10) 1,1-Dichloroethene-d2	3.86	63	164999	17.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	70.92%
20) 2-Butanone-d5	6.91	46	93721	45.07	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	90.14%
24) Chloroform-d	7.49	84	209222	22.35	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.40%
26) 1,2-Dichloroethane-d4	8.15	65	122833	22.63	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.52%
29) Benzene-d6	8.12	84	452031	24.07	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.28%
33) 1,2-Dichloropropane-d6	9.13	67	139591	23.71	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.84%
37) Toluene-d8	10.18	98	403236	22.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.92%
38) trans-1,3-Dichloropropene-	10.44	79	63491	23.12	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.48%
39) 2-Hexanone-d5	10.79	63	71404	44.87	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	89.74%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	123292	21.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.12%
61) 1,2-Dichlorobenzene-d4	13.72	152	142798	22.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	5958	1.263 ug/L	96
3) Chloromethane	2.12	50	6977	1.180 ug/L	85
5) Vinyl chloride	2.25	62	6394	1.084 ug/L #	80
6) Bromomethane	2.66	94	3743	1.162 ug/L	100
8) Chloroethane	2.80	64	3886	1.050 ug/L	92
9) Trichlorofluoromethane	3.13	101	9606	1.150 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	3.90	101	6222m	1.313 ug/L	
12) 1,1-Dichloroethene	3.88	96	5839	1.262 ug/L #	1
13) Acetone	3.96	43	5846m	3.843 ug/L	
14) Carbon disulfide	4.20	76	14211	0.996 ug/L	98
15) Methyl Acetate	4.49	43	3786m	1.086 ug/L	
16) Methylene chloride	4.72	84	11876	2.016 ug/L	84
17) Methyl tert-butyl Ether	5.23	73	14889m	1.058 ug/L	
18) trans-1,2-Dichloroethene	5.23	96	5419m	1.049 ug/L	
19) 1,1-Dichloroethane	6.04	63	9780m	1.076 ug/L	
21) 2-Butanone	7.00	43	8265m	3.084 ug/L	
22) cis-1,2-Dichloroethene	7.00	96	6112	1.069 ug/L	79

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

23) Bromochloromethane	7.36	128	2511m	1.006	ug/L	
25) Chloroform	7.51	83	17234m	1.759	ug/L	
27) 1,2-Dichloroethane	8.24	62	7099	1.084	ug/L #	94
30) Cyclohexane	7.78	56	9489m	1.075	ug/L	
31) 1,1,1-Trichloroethane	7.72	97	8152	1.023	ug/L	91
32) Carbon tetrachloride	7.91	117	7449m	1.072	ug/L	
34) Benzene	8.17	78	23648	1.118	ug/L	100
35) Trichloroethene	8.94	95	6108	1.101	ug/L	99
36) Methylcyclohexane	9.19	83	9846	1.037	ug/L #	90
40) 1,2-Dichloropropane	9.23	63	6012	1.122	ug/L	100
41) Bromodichloromethane	9.50	83	7061	1.024	ug/L	98
42) cis-1,3-Dichloropropene	9.93	75	8540	0.989	ug/L	95
43) 4-Methyl-2-pentanone	10.07	43	10596	2.067	ug/L #	93
44) Toluene	10.25	91	24835	1.086	ug/L	93
45) trans-1,3-Dichloropropene	10.47	75	6074m	0.819	ug/L	
46) 1,1,2-Trichloroethane	10.64	97	4878	1.110	ug/L #	86
47) Tetrachloroethene	10.72	164	4710	1.137	ug/L #	80
49) 2-Hexanone	10.83	43	9059	2.269	ug/L	98
50) Dibromochloromethane	10.99	129	4875	0.982	ug/L	95
51) 1,2-Dibromoethane	11.09	107	4342	1.015	ug/L #	87
52) Chlorobenzene	11.52	112	16207	1.117	ug/L	95
53) Ethylbenzene	11.59	91	26969	1.043	ug/L	96
54) m,p-Xylene	11.70	106	10305	1.053	ug/L	73
55) o-xylene	12.03	106	9387	0.977	ug/L	79
56) Styrene	12.04	104	15832	0.992	ug/L	98
57) Isopropylbenzene	12.33	105	25960	1.039	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6357	1.159	ug/L	91
59) 1,2,3-Trichloropropane	12.63	75	5177	1.161	ug/L	98
62) Bromoform	12.20	173	2886	0.978	ug/L #	90
63) 1,3-Dichlorobenzene	13.36	146	12422	1.121	ug/L	92
64) 1,4-Dichlorobenzene	13.44	146	12159	1.098	ug/L #	91
65) 1,2-Dichlorobenzene	13.74	146	11937	1.163	ug/L	96
67) 1,3,5-Trichlorobenzene	14.50	180	8308	1.076	ug/L	97
68) 1,2,4-trichlorobenzene	15.00	180	6874	0.996	ug/L	94
69) Naphthalene	15.23	128	17825	1.036	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	7302	1.138	ug/L	97

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

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