

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111319\
 Data File : VY000669.D
 Acq On : 13 Nov 2019 13:42
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDADODA
 11/19/2019 11:59:46 AM

Quant Time: Nov 14 08:39:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Nov 14 08:31:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	342380	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	311970	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	145494	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	106647	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.24%
7) Chloroethane-d5	2.77	69	97177	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.48%
10) 1,1-Dichloroethene-d2	3.86	63	147921	16.56	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.24%
20) 2-Butanone-d5	6.91	46	82127	41.16	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.32%
24) Chloroform-d	7.49	84	192668	21.45	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	8.16	65	115281	22.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	88.52%
29) Benzene-d6	8.12	84	414496	22.88	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.52%
33) 1,2-Dichloropropane-d6	9.13	67	127096	22.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.52%
37) Toluene-d8	10.18	98	367453	21.71	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.84%
38) trans-1,3-Dichloropropene-	10.44	79	56191	21.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.84%
39) 2-Hexanone-d5	10.79	63	64502	42.03	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.06%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	111170	20.13	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	80.52%
61) 1,2-Dichlorobenzene-d4	13.72	152	129328	22.23	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.92%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.90	85	2586	0.572	ug/L	83
3) Chloromethane	2.12	50	3565	0.629	ug/L	94
5) Vinyl chloride	2.26	62	3536	0.625	ug/L #	60
6) Bromomethane	2.66	94	2086m	0.675	ug/L	
8) Chloroethane	2.80	64	1996	0.562	ug/L #	82
9) Trichlorofluoromethane	3.13	101	4785	0.597	ug/L	91
11) 1,1,2-Trichloro-1,2,2-trif	3.91	101	3541m	0.779	ug/L	
12) 1,1-Dichloroethene	3.88	96	3714m	0.837	ug/L	
13) Acetone	3.96	43	3966	2.717	ug/L	81
14) Carbon disulfide	4.21	76	6357	0.464	ug/L #	91
15) Methyl Acetate	4.50	43	1644m	0.492	ug/L	
16) Methylene chloride	4.72	84	14151	2.504	ug/L	88
17) Methyl tert-butyl Ether	5.24	73	6851m	0.507	ug/L	
18) trans-1,2-Dichloroethene	5.23	96	2950m	0.595	ug/L	
19) 1,1-Dichloroethane	6.04	63	4629	0.531	ug/L #	76
22) cis-1,2-Dichloroethene	7.00	96	2782	0.507	ug/L #	45
23) Bromochloromethane	7.34	128	1138m	0.475	ug/L	

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25) Chloroform	7.52	83	10963	1.166	ug/L #	75
27) 1,2-Dichloroethane	8.25	62	3919	0.623	ug/L #	91
31) 1,1,1-Trichloroethane	7.71	97	4269m	0.555	ug/L	
32) Carbon tetrachloride	7.91	117	4341	0.648	ug/L	95
34) Benzene	8.18	78	12222	0.599	ug/L	100
35) Trichloroethene	8.94	95	3099m	0.579	ug/L	
36) Methylcyclohexane	9.19	83	4969	0.543	ug/L	93
40) 1,2-Dichloropropane	9.23	63	2900	0.561	ug/L #	96
41) Bromodichloromethane	9.50	83	3545	0.533	ug/L #	95
42) cis-1,3-Dichloropropene	9.94	75	4215	0.506	ug/L	92
43) 4-Methyl-2-pentanone	10.08	43	5725	1.158	ug/L	92
44) Toluene	10.25	91	12670	0.575	ug/L	84
45) trans-1,3-Dichloropropene	10.46	75	3145	0.440	ug/L	86
46) 1,1,2-Trichloroethane	10.65	97	2597	0.613	ug/L #	80
47) Tetrachloroethene	10.72	164	2507	0.628	ug/L	79
49) 2-Hexanone	10.84	43	4820	1.252	ug/L	98
50) Dibromochloromethane	10.99	129	2296	0.479	ug/L	86
51) 1,2-Dibromoethane	11.10	107	2280	0.553	ug/L #	83
52) Chlorobenzene	11.52	112	7239	0.517	ug/L	99
53) Ethylbenzene	11.60	91	13069	0.524	ug/L	98
54) m,p-Xylene	11.70	106	4783	0.507	ug/L	93
55) o-xylene	12.03	106	4767	0.514	ug/L	94
56) Styrene	12.04	104	6927	0.450	ug/L	82
57) Isopropylbenzene	12.33	105	12195	0.506	ug/L	97
58) 1,1,2,2-Tetrachloroethane	12.58	83	3229	0.610	ug/L #	94
59) 1,2,3-Trichloropropane	12.63	75	2159m	0.502	ug/L	
62) Bromoform	12.21	173	1299	0.470	ug/L #	95
63) 1,3-Dichlorobenzene	13.36	146	5512	0.531	ug/L	92
64) 1,4-Dichlorobenzene	13.44	146	5801	0.559	ug/L #	92
65) 1,2-Dichlorobenzene	13.74	146	5636	0.586	ug/L #	89
66) 1,2-Dibromo-3-chloropropan	14.36	75	432m	0.473	ug/L	
67) 1,3,5-Trichlorobenzene	14.50	180	4303m	0.595	ug/L	
68) 1,2,4-trichlorobenzene	15.00	180	3456	0.534	ug/L #	90
69) Naphthalene	15.23	128	8293	0.515	ug/L #	88
70) 1,2,3-Trichlorobenzene	15.42	180	3579	0.595	ug/L	97

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

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