

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\
 Data File : VV008869.D
 Acq On : 06 Dec 2018 21:46
 Operator : SY/MD
 Sample : MDL04
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

sam
 12/11/2018 4:25:59 PM

Quant Time: Dec 07 02:01:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 07 01:37:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	188384	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	162155	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69468	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	48106	24.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.72%
7) Chloroethane-d5	1.58	69	40062	27.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.28%
10) 1,1-Dichloroethene-d2	2.13	63	92152	18.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.64%
20) 2-Butanone-d5	3.94	46	40742	57.40	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.80%
24) Chloroform-d	4.40	84	102816	22.70	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.80%
26) 1,2-Dichloroethane-d4	5.08	65	60274	24.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.56%
29) Benzene-d6	5.10	84	218566	24.13	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.52%
33) 1,2-Dichloropropane-d6	6.12	67	61574	24.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.16%
37) Toluene-d8	7.36	98	194427	23.20	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.80%
38) trans-1,3-Dichloropropene-	7.67	79	25476	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	91.48%
39) 2-Hexanone-d5	8.14	63	24406	52.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.08%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52079	24.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.96%
61) 1,2-Dichlorobenzene-d4	11.68	152	62104	23.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.28%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3615	1.171 ug/L	95
3) Chloromethane	1.25	50	2404	1.133 ug/L	100
5) Vinyl chloride	1.32	62	2693	1.137 ug/L #	59
6) Bromomethane	1.53	94	1483	1.302 ug/L	96
8) Chloroethane	1.60	64	2214	1.669 ug/L	98
9) Trichlorofluoromethane	1.77	101	5190	1.279 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4176	1.501 ug/L #	81
12) 1,1-Dichloroethene	2.14	96	3186	1.312 ug/L #	1
13) Acetone	2.19	43	3396	3.248 ug/L	71
14) Carbon disulfide	2.32	76	7821	1.003 ug/L	97
15) Methyl Acetate	2.46	43	1557	1.174 ug/L #	74
16) Methylene chloride	2.54	84	9122	2.876 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	5816	1.054 ug/L #	94
18) trans-1,2-Dichloroethene	2.79	96	2855	1.088 ug/L	93
19) 1,1-Dichloroethane	3.23	63	4311	1.013 ug/L	98
21) 2-Butanone	4.04	43	1788m	1.824 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2916	1.066 ug/L	94

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

23) Bromochloromethane	4.30	128	1132m	0.878	ug/L	
25) Chloroform	4.42	83	6588m	1.443	ug/L	
27) 1,2-Dichloroethane	5.18	62	3277	1.054	ug/L	98
30) Cyclohexane	4.72	56	4393m	1.076	ug/L	
31) 1,1,1-Trichloroethane	4.66	97	4172	0.998	ug/L	99
32) Carbon tetrachloride	4.87	117	3747	0.982	ug/L	99
34) Benzene	5.15	78	9705	0.999	ug/L	100
35) Trichloroethene	5.96	95	3188m	1.088	ug/L	
36) Methylcyclohexane	6.18	83	4633	0.992	ug/L	88
40) 1,2-Dichloropropane	6.22	63	2412	1.034	ug/L #	85
41) Bromodichloromethane	6.56	83	3069	0.999	ug/L	89
42) cis-1,3-Dichloropropene	7.07	75	3538	1.036	ug/L	93
43) 4-Methyl-2-pentanone	7.28	43	4333	2.749	ug/L #	92
44) Toluene	7.43	91	11318	1.111	ug/L	94
45) trans-1,3-Dichloropropene	7.69	75	3051	1.025	ug/L	91
46) 1,1,2-Trichloroethane	7.89	97	1967	1.012	ug/L	94
47) Tetrachloroethene	8.02	164	2412	1.013	ug/L	94
49) 2-Hexanone	8.19	43	4570	3.505	ug/L #	95
50) Dibromochloromethane	8.29	129	2109	0.947	ug/L	97
51) 1,2-Dibromoethane	8.40	107	2041m	1.046	ug/L	
52) Chlorobenzene	8.93	112	7481	1.128	ug/L	96
53) Ethylbenzene	9.06	91	11092	1.004	ug/L	98
54) m,p-Xylene	9.18	106	3766	0.900	ug/L	93
55) o-xylene	9.59	106	3844	0.989	ug/L	88
56) Styrene	9.61	104	5546	0.884	ug/L	86
57) Isopropylbenzene	9.98	105	10373	0.982	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	2490	1.186	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	2075	1.142	ug/L	96
62) Bromoform	9.78	173	1126	0.898	ug/L #	93
63) 1,3-Dichlorobenzene	11.23	146	4922	1.100	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	5193	1.127	ug/L	94
65) 1,2-Dichlorobenzene	11.69	146	4578	1.109	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	341m	1.009	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	3111	0.962	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	1734	0.765	ug/L	92
69) Naphthalene	13.56	128	2486	0.637	ug/L #	91
70) 1,2,3-Trichlorobenzene	13.80	180	1863	0.890	ug/L	95

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

