

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\
 Data File : VV008866.D
 Acq On : 06 Dec 2018 20:08
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

sam
 12/11/2018 4:25:27 PM

Quant Time: Dec 07 01:51:28 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	5.67	114	196851	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	177413	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	74236	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51843	25.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.80%
7) Chloroethane-d5	1.58	69	39717	26.39	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.56%
10) 1,1-Dichloroethene-d2	2.13	63	96796	19.01	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.04%
20) 2-Butanone-d5	3.93	46	42546	57.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.74%
24) Chloroform-d	4.40	84	113429	23.97	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.88%
26) 1,2-Dichloroethane-d4	5.08	65	65957	25.54	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.16%
29) Benzene-d6	5.10	84	235367	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	6.12	67	68103	24.55	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.20%
37) Toluene-d8	7.36	98	212895	23.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.88%
38) trans-1,3-Dichloropropene-	7.67	79	27641	22.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.72%
39) 2-Hexanone-d5	8.13	63	27492	54.10	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.20%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57193	24.58	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.32%
61) 1,2-Dichlorobenzene-d4	11.67	152	68019	24.41	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3754	1.163 ug/L	100
3) Chloromethane	1.25	50	2659	1.199 ug/L	98
5) Vinyl chloride	1.32	62	2915	1.178 ug/L #	51
6) Bromomethane	1.53	94	1724	1.449 ug/L	92
8) Chloroethane	1.59	64	1742	1.256 ug/L	94
9) Trichlorofluoromethane	1.77	101	5464	1.289 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4138	1.423 ug/L #	80
12) 1,1-Dichloroethene	2.14	96	3206	1.263 ug/L #	1
13) Acetone	2.20	43	3605	3.299 ug/L	89
14) Carbon disulfide	2.32	76	8585	1.054 ug/L	95
15) Methyl Acetate	2.46	43	1638	1.182 ug/L #	87
16) Methylene chloride	2.54	84	9535	2.876 ug/L	94
17) Methyl tert-butyl Ether	2.80	73	6586	1.142 ug/L #	95
18) trans-1,2-Dichloroethene	2.79	96	2820	1.028 ug/L	87
19) 1,1-Dichloroethane	3.23	63	4820m	1.084 ug/L	
21) 2-Butanone	4.04	43	1608	1.570 ug/L #	56
22) cis-1,2-Dichloroethene	3.96	96	3014m	1.054 ug/L	

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

23) Bromochloromethane	4.31	128	1548	1.149	ug/L #	81
25) Chloroform	4.43	83	7125	1.494	ug/L	79
27) 1,2-Dichloroethane	5.18	62	3531	1.087	ug/L	98
30) Cyclohexane	4.73	56	4341	0.972	ug/L #	54
31) 1,1,1-Trichloroethane	4.66	97	4671	1.021	ug/L	93
32) Carbon tetrachloride	4.87	117	3933	0.942	ug/L #	52
34) Benzene	5.15	78	11232	1.057	ug/L	100
35) Trichloroethene	5.96	95	3461	1.080	ug/L #	78
36) Methylcyclohexane	6.18	83	5491	1.074	ug/L	98
40) 1,2-Dichloropropane	6.22	63	2793	1.095	ug/L #	85
41) Bromodichloromethane	6.55	83	3185	0.947	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	3623	0.970	ug/L	93
43) 4-Methyl-2-pentanone	7.28	43	5177	3.002	ug/L #	87
44) Toluene	7.43	91	12360	1.109	ug/L	94
45) trans-1,3-Dichloropropene	7.70	75	3680m	1.130	ug/L	
46) 1,1,2-Trichloroethane	7.89	97	2228	1.048	ug/L	95
47) Tetrachloroethene	8.02	164	2526	0.969	ug/L	81
49) 2-Hexanone	8.19	43	5616	3.937	ug/L #	84
50) Dibromochloromethane	8.29	129	2247	0.922	ug/L	89
51) 1,2-Dibromoethane	8.40	107	2254	1.056	ug/L #	89
52) Chlorobenzene	8.93	112	7775	1.071	ug/L	97
53) Ethylbenzene	9.06	91	11768	0.973	ug/L	92
54) m,p-Xylene	9.18	106	4260	0.930	ug/L	87
55) o-xylene	9.59	106	4158	0.977	ug/L	97
56) Styrene	9.61	104	6245	0.910	ug/L	95
57) Isopropylbenzene	9.98	105	11298	0.977	ug/L	94
58) 1,1,2,2-Tetrachloroethane	10.29	83	2985	1.299	ug/L #	91
59) 1,2,3-Trichloropropane	10.32	75	2244	1.129	ug/L	97
62) Bromoform	9.78	173	1285	0.959	ug/L #	88
63) 1,3-Dichlorobenzene	11.23	146	5373	1.123	ug/L	97
64) 1,4-Dichlorobenzene	11.32	146	5976	1.214	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	5379	1.220	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	331m	0.916	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	3294	0.953	ug/L	93
68) 1,2,4-trichlorobenzene	13.31	180	1936	0.800	ug/L	98
69) Naphthalene	13.56	128	3196	0.766	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.80	180	1849	0.827	ug/L #	96

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

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