

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\
 Data File : VV008867.D
 Acq On : 06 Dec 2018 20:57
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

sam
 12/11/2018 4:25:43 PM

Quant Time: Dec 07 15:44:27 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	188633	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	163720	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	69804	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53839	27.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.32%
7) Chloroethane-d5	1.58	69	44630	30.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	123.80%
10) 1,1-Dichloroethene-d2	2.13	63	103257	21.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.64%
20) 2-Butanone-d5	3.94	46	43901	61.77	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.54%
24) Chloroform-d	4.40	84	119057	26.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.00%
26) 1,2-Dichloroethane-d4	5.08	65	69625	28.14	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	112.56%
29) Benzene-d6	5.10	84	248372	27.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.64%
33) 1,2-Dichloropropane-d6	6.12	67	70908	27.70	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	110.80%
37) Toluene-d8	7.36	98	224017	26.47	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	105.88%
38) trans-1,3-Dichloropropene-	7.67	79	29965	26.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.56%
39) 2-Hexanone-d5	8.14	63	28096	59.91	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	119.82%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59001	27.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	109.92%
61) 1,2-Dichlorobenzene-d4	11.68	152	70496	26.91	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.64%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	4447	1.438 ug/L	92
3) Chloromethane	1.25	50	2847	1.340 ug/L	95
5) Vinyl chloride	1.32	62	3081	1.299 ug/L #	45
6) Bromomethane	1.53	94	1742	1.527 ug/L	90
8) Chloroethane	1.60	64	2376	1.788 ug/L	90
9) Trichlorofluoromethane	1.77	101	5979	1.472 ug/L	96
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4691	1.683 ug/L #	81
12) 1,1-Dichloroethene	2.14	96	3589	1.476 ug/L #	1
13) Acetone	2.19	43	3424	3.270 ug/L	90
14) Carbon disulfide	2.32	76	8721	1.117 ug/L	99
15) Methyl Acetate	2.46	43	1843	1.388 ug/L #	79
16) Methylene chloride	2.53	84	7939	2.499 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	6977	1.263 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	3423	1.303 ug/L	84
19) 1,1-Dichloroethane	3.23	63	4893	1.149 ug/L	93
21) 2-Butanone	4.03	43	1565m	1.595 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3212	1.172 ug/L	91

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

23) Bromochloromethane	4.30	128	1598m	1.238	ug/L	
25) Chloroform	4.43	83	7923	1.733	ug/L	79
27) 1,2-Dichloroethane	5.18	62	3687	1.184	ug/L	98
30) Cyclohexane	4.73	56	4795	1.163	ug/L #	92
31) 1,1,1-Trichloroethane	4.66	97	4936	1.169	ug/L	98
32) Carbon tetrachloride	4.88	117	4171	1.082	ug/L	93
34) Benzene	5.15	78	11365	1.159	ug/L	100
35) Trichloroethene	5.96	95	3807	1.287	ug/L	96
36) Methylcyclohexane	6.18	83	6031	1.279	ug/L	94
40) 1,2-Dichloropropane	6.22	63	2801	1.190	ug/L #	90
41) Bromodichloromethane	6.56	83	3445	1.110	ug/L #	99
42) cis-1,3-Dichloropropene	7.07	75	4027m	1.168	ug/L	
43) 4-Methyl-2-pentanone	7.28	43	5339	3.355	ug/L #	80
44) Toluene	7.43	91	13380	1.301	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	3321	1.105	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	2536	1.293	ug/L	94
47) Tetrachloroethene	8.02	164	2717	1.130	ug/L	92
49) 2-Hexanone	8.18	43	4444	3.376	ug/L #	91
50) Dibromochloromethane	8.30	129	2612	1.162	ug/L	95
51) 1,2-Dibromoethane	8.40	107	2362	1.199	ug/L #	94
52) Chlorobenzene	8.93	112	8323	1.243	ug/L	97
53) Ethylbenzene	9.06	91	12568	1.126	ug/L	95
54) m,p-Xylene	9.18	106	4708	1.114	ug/L	92
55) o-xylene	9.59	106	4655	1.186	ug/L	92
56) Styrene	9.61	104	6247	0.986	ug/L	96
57) Isopropylbenzene	9.97	105	11508	1.079	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	2992	1.411	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	2349	1.280	ug/L	96
62) Bromoform	9.78	173	1382	1.097	ug/L #	95
63) 1,3-Dichlorobenzene	11.23	146	5451	1.212	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	6280	1.357	ug/L	93
65) 1,2-Dichlorobenzene	11.69	146	5657	1.364	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	402m	1.183	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	3782	1.164	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	2039	0.896	ug/L	97
69) Naphthalene	13.56	128	3417	0.871	ug/L #	86
70) 1,2,3-Trichlorobenzene	13.80	180	2216	1.054	ug/L	98

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

