

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\
 Data File : VV008872.D
 Acq On : 06 Dec 2018 23:01
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

sam
 12/11/2018 4:25:33 PM

Quant Time: Dec 07 15:58:53 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	189230	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	166343	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71825	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53477	27.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.24%
7) Chloroethane-d5	1.58	69	39773	27.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	109.96%
10) 1,1-Dichloroethene-d2	2.13	63	110293	22.53	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.12%
20) 2-Butanone-d5	3.93	46	45393	63.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.34%
24) Chloroform-d	4.40	84	116100	25.52	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	102.08%
26) 1,2-Dichloroethane-d4	5.08	65	68276	27.50	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	110.00%
29) Benzene-d6	5.10	84	243676	26.23	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.92%
33) 1,2-Dichloropropane-d6	6.12	67	70101	26.95	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.80%
37) Toluene-d8	7.36	98	218157	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.48%
38) trans-1,3-Dichloropropene-	7.67	79	28817	25.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.88%
39) 2-Hexanone-d5	8.13	63	28880	60.61	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	57624	26.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.64%
61) 1,2-Dichlorobenzene-d4	11.68	152	69411	25.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.00%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3735	1.204 ug/L #	83
3) Chloromethane	1.25	50	2696	1.265 ug/L	89
5) Vinyl chloride	1.32	62	2901	1.219 ug/L #	55
6) Bromomethane	1.53	94	1588	1.388 ug/L	86
8) Chloroethane	1.60	64	1715	1.287 ug/L	100
9) Trichlorofluoromethane	1.77	101	5333	1.308 ug/L	88
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	4355	1.558 ug/L #	74
12) 1,1-Dichloroethene	2.14	96	3711	1.521 ug/L #	1
13) Acetone	2.20	43	3647	3.472 ug/L	76
14) Carbon disulfide	2.32	76	8367	1.068 ug/L	96
15) Methyl Acetate	2.46	43	1830	1.374 ug/L #	87
16) Methylene chloride	2.53	84	9296	2.917 ug/L	94
17) Methyl tert-butyl Ether	2.80	73	6203	1.119 ug/L #	87
18) trans-1,2-Dichloroethene	2.79	96	2850	1.081 ug/L	95
19) 1,1-Dichloroethane	3.23	63	4636	1.085 ug/L	92
21) 2-Butanone	4.04	43	1053m	1.070 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	3175	1.155 ug/L	94

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

23) Bromochloromethane	4.30	128	1423m	1.099	ug/L	
25) Chloroform	4.43	83	6956	1.517	ug/L	78
27) 1,2-Dichloroethane	5.19	62	3807	1.219	ug/L #	88
30) Cyclohexane	4.73	56	4386	1.047	ug/L	88
31) 1,1,1-Trichloroethane	4.66	97	4566	1.065	ug/L	100
32) Carbon tetrachloride	4.88	117	4024	1.028	ug/L	99
34) Benzene	5.15	78	10745	1.078	ug/L	100
35) Trichloroethene	5.96	95	3591	1.195	ug/L	98
36) Methylcyclohexane	6.18	83	5364	1.119	ug/L	99
40) 1,2-Dichloropropane	6.22	63	2610	1.091	ug/L #	85
41) Bromodichloromethane	6.55	83	3195m	1.013	ug/L	
42) cis-1,3-Dichloropropene	7.07	75	3744	1.069	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	4971	3.075	ug/L #	90
44) Toluene	7.43	91	12165	1.164	ug/L	97
45) trans-1,3-Dichloropropene	7.69	75	3337m	1.093	ug/L	
46) 1,1,2-Trichloroethane	7.89	97	1974	0.990	ug/L	94
47) Tetrachloroethene	8.02	164	2747	1.124	ug/L	93
49) 2-Hexanone	8.19	43	4527	3.385	ug/L #	93
50) Dibromochloromethane	8.29	129	2243	0.982	ug/L	95
51) 1,2-Dibromoethane	8.40	107	2170	1.084	ug/L #	95
52) Chlorobenzene	8.93	112	7667	1.127	ug/L	96
53) Ethylbenzene	9.06	91	11946	1.054	ug/L	97
54) m,p-Xylene	9.18	106	4581	1.067	ug/L	94
55) o-xylene	9.59	106	3903	0.978	ug/L	84
56) Styrene	9.60	104	5632	0.875	ug/L	90
57) Isopropylbenzene	9.98	105	11204	1.033	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.29	83	2890	1.341	ug/L #	93
59) 1,2,3-Trichloropropane	10.32	75	2201	1.181	ug/L	99
62) Bromoform	9.78	173	1270	0.979	ug/L #	96
63) 1,3-Dichlorobenzene	11.23	146	5208	1.125	ug/L	96
64) 1,4-Dichlorobenzene	11.32	146	5557	1.167	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	5328	1.249	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	314m	0.898	ug/L	
67) 1,3,5-Trichlorobenzene	12.70	180	3373	1.009	ug/L	94
68) 1,2,4-trichlorobenzene	13.31	180	1996	0.852	ug/L	95
69) Naphthalene	13.56	128	2940	0.729	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	1781	0.823	ug/L	99

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

