

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121118\
 Data File : VV008893.D
 Acq On : 11 Dec 2018 12:15
 Operator : SY/MD
 Sample : MDL01
 Misc : 5.00g/10.0 mL/MSVOA V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

sam
 12/12/2018 11:26:20 AM

Quant Time: Dec 12 04:44:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Dec 12 04:31:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	191950	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	169177	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	70411	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	50623	25.49	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.96%
7) Chloroethane-d5	1.58	69	37859	25.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	103.20%
10) 1,1-Dichloroethene-d2	2.13	63	93346	18.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.20%
20) 2-Butanone-d5	3.93	46	35793	49.49	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.98%
24) Chloroform-d	4.40	84	109678	23.77	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.08%
26) 1,2-Dichloroethane-d4	5.08	65	62709	24.90	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.60%
29) Benzene-d6	5.10	84	224770	23.79	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.16%
33) 1,2-Dichloropropane-d6	6.12	67	65215	24.65	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	98.60%
37) Toluene-d8	7.36	98	205488	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.00%
38) trans-1,3-Dichloropropene-	7.66	79	28321	24.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.48%
39) 2-Hexanone-d5	8.14	63	21196	43.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	50486	22.75	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	91.00%
61) 1,2-Dichlorobenzene-d4	11.68	152	63391	23.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.96%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3370	1.071 ug/L	98
3) Chloromethane	1.25	50	2198	1.017 ug/L	89
5) Vinyl chloride	1.32	62	2248	0.931 ug/L #	52
6) Bromomethane	1.53	94	1436	1.237 ug/L	95
8) Chloroethane	1.60	64	1480	1.095 ug/L	100
9) Trichlorofluoromethane	1.77	101	4564	1.104 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3487	1.230 ug/L #	84
12) 1,1-Dichloroethene	2.14	96	3130	1.265 ug/L #	1
13) Acetone	2.20	43	3323	3.119 ug/L	95
14) Carbon disulfide	2.32	76	7592	0.956 ug/L	98
15) Methyl Acetate	2.46	43	1307m	0.967 ug/L	
16) Methylene chloride	2.54	84	7180	2.221 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	4956	0.882 ug/L #	83
18) trans-1,2-Dichloroethene	2.79	96	2334	0.873 ug/L	96
19) 1,1-Dichloroethane	3.23	63	3518m	0.812 ug/L	
21) 2-Butanone	4.03	43	1997m	2.000 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2421m	0.868 ug/L	

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

23) Bromochloromethane	4.29	128	1088m	0.828	ug/L	
25) Chloroform	4.42	83	6064	1.304	ug/L	79
27) 1,2-Dichloroethane	5.18	62	2635	0.832	ug/L #	75
30) Cyclohexane	4.72	56	3620	0.850	ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	3607	0.827	ug/L #	85
32) Carbon tetrachloride	4.87	117	3307	0.830	ug/L	99
34) Benzene	5.14	78	8396	0.828	ug/L	100
35) Trichloroethene	5.96	95	3031	0.992	ug/L	97
36) Methylcyclohexane	6.17	83	3898	0.800	ug/L	98
40) 1,2-Dichloropropane	6.23	63	2201	0.905	ug/L #	85
41) Bromodichloromethane	6.55	83	2690	0.839	ug/L #	86
42) cis-1,3-Dichloropropene	7.07	75	3143	0.882	ug/L	94
43) 4-Methyl-2-pentanone	7.28	43	3763	2.289	ug/L #	79
44) Toluene	7.43	91	9789	0.921	ug/L	94
45) trans-1,3-Dichloropropene	7.69	75	3282m	1.057	ug/L	
46) 1,1,2-Trichloroethane	7.88	97	1675	0.826	ug/L	96
47) Tetrachloroethene	8.02	164	2105	0.847	ug/L	77
49) 2-Hexanone	8.19	43	3528	2.594	ug/L #	82
50) Dibromochloromethane	8.29	129	1845	0.794	ug/L	96
51) 1,2-Dibromoethane	8.40	107	1657	0.814	ug/L #	93
52) Chlorobenzene	8.93	112	6519	0.942	ug/L	94
53) Ethylbenzene	9.05	91	9821	0.852	ug/L	97
54) m,p-Xylene	9.18	106	3607	0.826	ug/L	90
55) o-xylene	9.59	106	3318	0.818	ug/L	93
56) Styrene	9.60	104	4829	0.738	ug/L	99
57) Isopropylbenzene	9.97	105	8770	0.795	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	2101	0.959	ug/L #	95
59) 1,2,3-Trichloropropane	10.32	75	1543	0.814	ug/L	98
62) Bromoform	9.78	173	1103	0.868	ug/L #	74
63) 1,3-Dichlorobenzene	11.23	146	4224	0.931	ug/L	93
64) 1,4-Dichlorobenzene	11.32	146	4975	1.066	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	4159	0.994	ug/L #	90
66) 1,2-Dibromo-3-chloropropan	12.47	75	210m	0.613	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	2352	0.718	ug/L #	87
68) 1,2,4-trichlorobenzene	13.31	180	1673	0.729	ug/L #	91
69) Naphthalene	13.56	128	2387	0.604	ug/L #	88
70) 1,2,3-Trichlorobenzene	13.80	180	1347	0.635	ug/L	98

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

