

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV121118\
 Data File : VV008899.D
 Acq On : 11 Dec 2018 14:43
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.00g/10.0 mL/MSVOA V/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

sam
 12/12/2018 11:26:40 AM

Quant Time: Dec 12 04:53:20 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	5.67	114	218601	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	183819	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	78358	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57807	25.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	54405	32.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	130.20%
10) 1,1-Dichloroethene-d2	2.13	63	111544	19.72	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	78.88%
20) 2-Butanone-d5	3.94	46	49424	60.01	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.02%
24) Chloroform-d	4.40	84	131829	25.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	100.36%
26) 1,2-Dichloroethane-d4	5.08	65	78723	27.45	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.80%
29) Benzene-d6	5.10	84	273139	26.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.40%
33) 1,2-Dichloropropane-d6	6.12	67	78741	27.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.60%
37) Toluene-d8	7.36	98	245879	25.88	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	103.52%
38) trans-1,3-Dichloropropene-	7.67	79	33673	26.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	106.68%
39) 2-Hexanone-d5	8.14	63	29763	56.53	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.06%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	62388	25.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	103.52%
61) 1,2-Dichlorobenzene-d4	11.67	152	76308	25.95	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	5340	1.490 ug/L	98
3) Chloromethane	1.25	50	3260	1.324 ug/L	99
5) Vinyl chloride	1.32	62	3540	1.288 ug/L #	54
6) Bromomethane	1.53	94	2508	1.898 ug/L	85
8) Chloroethane	1.60	64	2654	1.724 ug/L	99
9) Trichlorofluoromethane	1.77	101	7229	1.535 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	5104	1.581 ug/L	85
12) 1,1-Dichloroethene	2.14	96	4392	1.559 ug/L #	1
13) Acetone	2.20	43	4007	3.302 ug/L	68
14) Carbon disulfide	2.32	76	11120	1.229 ug/L	97
15) Methyl Acetate	2.46	43	2263m	1.471 ug/L	
16) Methylene chloride	2.53	84	11545	3.136 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	7993	1.249 ug/L	95
18) trans-1,2-Dichloroethene	2.79	96	3587	1.178 ug/L	93
19) 1,1-Dichloroethane	3.23	63	6307m	1.278 ug/L	
21) 2-Butanone	4.03	43	2815m	2.475 ug/L	
22) cis-1,2-Dichloroethene	3.97	96	4062	1.279 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	1898	1.268	ug/L	92
25) Chloroform	4.43	83	9339	1.763	ug/L	84
27) 1,2-Dichloroethane	5.19	62	4609	1.277	ug/L	97
30) Cyclohexane	4.73	56	5695	1.230	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	5915	1.248	ug/L	97
32) Carbon tetrachloride	4.88	117	5405	1.249	ug/L	96
34) Benzene	5.15	78	13536	1.229	ug/L	100
35) Trichloroethene	5.96	95	4559	1.373	ug/L	98
36) Methylcyclohexane	6.18	83	6376	1.204	ug/L	93
40) 1,2-Dichloropropane	6.23	63	3376	1.277	ug/L #	95
41) Bromodichloromethane	6.56	83	4376	1.256	ug/L #	97
42) cis-1,3-Dichloropropene	7.07	75	4921	1.272	ug/L #	79
43) 4-Methyl-2-pentanone	7.28	43	5699	3.190	ug/L #	94
44) Toluene	7.43	91	15305	1.325	ug/L	99
45) trans-1,3-Dichloropropene	7.70	75	4562m	1.352	ug/L	
46) 1,1,2-Trichloroethane	7.89	97	2764	1.255	ug/L	94
47) Tetrachloroethene	8.02	164	3396	1.258	ug/L	98
49) 2-Hexanone	8.19	43	6401	4.331	ug/L #	90
50) Dibromochloromethane	8.29	129	3202	1.268	ug/L	99
51) 1,2-Dibromoethane	8.40	107	2886	1.305	ug/L #	93
52) Chlorobenzene	8.93	112	9370	1.246	ug/L	97
53) Ethylbenzene	9.06	91	14418	1.151	ug/L	98
54) m,p-Xylene	9.18	106	4928	1.039	ug/L	94
55) o-xylene	9.59	106	4932	1.119	ug/L	99
56) Styrene	9.61	104	7385	1.039	ug/L	94
57) Isopropylbenzene	9.98	105	12854	1.073	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.29	83	3294	1.384	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	2844m	1.381	ug/L	
62) Bromoform	9.78	173	1710	1.209	ug/L #	92
63) 1,3-Dichlorobenzene	11.23	146	5716	1.132	ug/L	92
64) 1,4-Dichlorobenzene	11.32	146	6715	1.292	ug/L	85
65) 1,2-Dichlorobenzene	11.69	146	6348	1.364	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.48	75	392m	1.028	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	3955	1.084	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	2165	0.847	ug/L	95
69) Naphthalene	13.56	128	3464	0.787	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	2182	0.924	ug/L	95

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

