

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV120618\
 Data File : VV008868.D
 Acq On : 06 Dec 2018 21:22
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.00g/10.0 mL/MSVOA_V/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

sam
 12/11/2018 4:25:53 PM

Quant Time: Dec 07 01:59:16 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	195947	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	174488	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	71573	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	56612	27.92	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	111.68%
7) Chloroethane-d5	1.58	69	51268	34.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	136.88%
10) 1,1-Dichloroethene-d2	2.13	63	106803	21.07	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	84.28%
20) 2-Butanone-d5	3.94	46	45428	61.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.08%
24) Chloroform-d	4.40	84	122862	26.08	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.32%
26) 1,2-Dichloroethane-d4	5.08	65	73208	28.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	113.92%
29) Benzene-d6	5.10	84	258721	26.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	106.20%
33) 1,2-Dichloropropane-d6	6.12	67	74156	27.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	108.72%
37) Toluene-d8	7.36	98	231423	25.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.64%
38) trans-1,3-Dichloropropene-	7.67	79	31153	25.99	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	103.96%
39) 2-Hexanone-d5	8.14	63	27742	55.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.02%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60345	26.37	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	105.48%
61) 1,2-Dichlorobenzene-d4	11.68	152	71071	26.46	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	105.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	3401	1.059 ug/L	92
3) Chloromethane	1.25	50	2376	1.076 ug/L	93
5) Vinyl chloride	1.32	62	2524	1.024 ug/L #	55
6) Bromomethane	1.53	94	1538	1.298 ug/L	95
8) Chloroethane	1.60	64	2240	1.623 ug/L	89
9) Trichlorofluoromethane	1.77	101	4987	1.182 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	3650	1.261 ug/L #	87
12) 1,1-Dichloroethene	2.14	96	3720	1.473 ug/L #	1
13) Acetone	2.19	43	3114	2.863 ug/L	95
14) Carbon disulfide	2.32	76	8056	0.993 ug/L	95
15) Methyl Acetate	2.46	43	1340m	0.972 ug/L	
16) Methylene chloride	2.53	84	9859	2.988 ug/L	92
17) Methyl tert-butyl Ether	2.81	73	5625	0.980 ug/L #	95
18) trans-1,2-Dichloroethene	2.79	96	2744	1.005 ug/L	97
19) 1,1-Dichloroethane	3.23	63	4190	0.947 ug/L	97
21) 2-Butanone	4.03	43	1559m	1.529 ug/L	
22) cis-1,2-Dichloroethene	3.96	96	2552	0.897 ug/L	98

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

23) Bromochloromethane	4.30	128	1303m	0.971	ug/L	
25) Chloroform	4.43	83	6811	1.434	ug/L	79
27) 1,2-Dichloroethane	5.18	62	3518	1.088	ug/L #	90
30) Cyclohexane	4.73	56	3966	0.903	ug/L #	89
31) 1,1,1-Trichloroethane	4.66	97	4206	0.935	ug/L #	68
32) Carbon tetrachloride	4.88	117	3542	0.862	ug/L #	61
34) Benzene	5.15	78	10541	1.008	ug/L	100
35) Trichloroethene	5.96	95	3182	1.010	ug/L	98
36) Methylcyclohexane	6.18	83	4899	0.975	ug/L	98
40) 1,2-Dichloropropane	6.22	63	2494	0.994	ug/L #	85
41) Bromodichloromethane	6.56	83	3015	0.912	ug/L	94
42) cis-1,3-Dichloropropene	7.07	75	3415	0.930	ug/L	85
43) 4-Methyl-2-pentanone	7.28	43	4470	2.636	ug/L #	89
44) Toluene	7.43	91	10924	0.996	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	2743	0.857	ug/L	97
46) 1,1,2-Trichloroethane	7.89	97	2008	0.961	ug/L	95
47) Tetrachloroethene	8.02	164	2361	0.921	ug/L	87
49) 2-Hexanone	8.19	43	4822	3.437	ug/L #	59
50) Dibromochloromethane	8.29	129	2032	0.848	ug/L	99
51) 1,2-Dibromoethane	8.40	107	1839	0.876	ug/L #	96
52) Chlorobenzene	8.93	112	7011	0.982	ug/L	99
53) Ethylbenzene	9.06	91	10791	0.907	ug/L	95
54) m,p-Xylene	9.19	106	4438	0.985	ug/L	94
55) o-xylene	9.59	106	3819	0.913	ug/L	93
56) Styrene	9.61	104	5276	0.782	ug/L	95
57) Isopropylbenzene	9.98	105	9779	0.860	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	2479m	1.097	ug/L	
59) 1,2,3-Trichloropropane	10.32	75	1947	0.996	ug/L	100
62) Bromoform	9.78	173	1201	0.929	ug/L #	63
63) 1,3-Dichlorobenzene	11.23	146	4687	1.016	ug/L	95
64) 1,4-Dichlorobenzene	11.32	146	4951	1.043	ug/L	92
65) 1,2-Dichlorobenzene	11.69	146	4585	1.078	ug/L	88
66) 1,2-Dibromo-3-chloropropan	12.48	75	283m	0.812	ug/L	
67) 1,3,5-Trichlorobenzene	12.69	180	3314	0.995	ug/L	93
68) 1,2,4-trichlorobenzene	13.31	180	1780	0.763	ug/L	97
69) Naphthalene	13.56	128	2700	0.672	ug/L #	85
70) 1,2,3-Trichlorobenzene	13.80	180	1679	0.779	ug/L	98

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

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