

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006300.D
 Acq On : 23 Oct 2018 17:41
 Operator : SY/AP
 Sample : MDL
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 2:07:39 PM

Quant Time: Oct 24 04:29:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 01:59:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	350965	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	330143	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	175950	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	83463	21.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.36%
7) Chloroethane-d5	2.90	69	83503	24.51	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.04%
10) 1,1-Dichloroethene-d2	4.01	63	132740	17.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.84%
20) 2-Butanone-d5	7.09	46	58071	44.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.52%
24) Chloroform-d	7.65	84	189234	24.89	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.56%
26) 1,2-Dichloroethane-d4	8.31	65	110575	26.29	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.16%
29) Benzene-d6	8.28	84	384987	25.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	102.72%
33) 1,2-Dichloropropane-d6	9.28	67	112911	24.96	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.84%
37) Toluene-d8	10.33	98	380282	25.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	101.48%
38) trans-1,3-Dichloropropene-	10.58	79	45814	20.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	83.36%
39) 2-Hexanone-d5	10.93	63	47764	43.70	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.40%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	108795	24.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	98.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	162738	26.99	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	107.96%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.02	85	4019m	1.212	ug/L	
3) Chloromethane	2.21	50	4122m	1.265	ug/L	
5) Vinyl chloride	2.37	62	5384	1.025	ug/L #	65
6) Bromomethane	2.79	94	4282	1.047	ug/L	95
8) Chloroethane	2.93	64	3433m	1.067	ug/L	
9) Trichlorofluoromethane	3.26	101	4388m	1.045	ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	4.05	101	5834m	1.389	ug/L	
12) 1,1-Dichloroethene	4.03	96	5471m	1.358	ug/L	
13) Acetone	4.14	43	3678m	2.775	ug/L	
14) Carbon disulfide	4.38	76	11136	0.845	ug/L #	92
15) Methyl Acetate	4.68	43	2183m	1.017	ug/L	
16) Methylene chloride	4.92	84	9198	2.030	ug/L	87
17) Methyl tert-butyl Ether	5.43	73	6540	0.997	ug/L #	89
18) trans-1,2-Dichloroethene	5.42	96	4424	0.992	ug/L	98
19) 1,1-Dichloroethane	6.22	63	7062	0.978	ug/L	99
21) 2-Butanone	7.18	43	4218	2.395	ug/L #	58
22) cis-1,2-Dichloroethene	7.17	96	4872	1.001	ug/L	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
 Data File : VW006300.D
 Acq On : 23 Oct 2018 17:41
 Operator : SY/AP
 Sample : MDL
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL

Manual Integrations
 APPROVED

MMDadoda
 10/24/2018 2:07:39 PM

Quant Time: Oct 24 04:29:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 24 01:59:01 2018
 Response via : Initial Calibration

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

23) Bromochloromethane	7.51	128	2117m	0.925	ug/L	
25) Chloroform	7.68	83	8749	1.126	ug/L #	74
27) 1,2-Dichloroethane	8.40	62	5760	1.087	ug/L #	93
30) Cyclohexane	7.96	56	6381	0.879	ug/L	92
31) 1,1,1-Trichloroethane	7.88	97	6488	0.939	ug/L	98
32) Carbon tetrachloride	8.07	117	6312	0.932	ug/L	97
34) Benzene	8.32	78	17502	1.033	ug/L	100
35) Trichloroethene	9.10	95	4674	0.980	ug/L	98
36) Methylcyclohexane	9.34	83	7852	0.899	ug/L	95
40) 1,2-Dichloropropane	9.37	63	4389	1.044	ug/L	100
41) Bromodichloromethane	9.65	83	4719	0.831	ug/L	93
42) cis-1,3-Dichloropropene	10.08	75	6340	0.923	ug/L	97
43) 4-Methyl-2-pentanone	10.22	43	6105	1.812	ug/L	95
44) Toluene	10.39	91	19677	1.034	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	7377	1.230	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	3424	0.978	ug/L	98
47) Tetrachloroethene	10.87	164	4476	1.014	ug/L	96
49) 2-Hexanone	10.98	43	3891	1.567	ug/L #	97
50) Dibromochloromethane	11.13	129	3600	0.802	ug/L	93
51) 1,2-Dibromoethane	11.24	107	3414	0.937	ug/L #	98
52) Chlorobenzene	11.66	112	13029	1.012	ug/L	95
53) Ethylbenzene	11.74	91	21334	0.963	ug/L	97
54) m,p-Xylene	11.84	106	7943	0.915	ug/L	98
55) o-xylene	12.16	106	7496	0.904	ug/L	83
56) Styrene	12.19	104	12153	0.851	ug/L	92
57) Isopropylbenzene	12.47	105	20618	0.894	ug/L	98
58) 1,1,2,2-Tetrachloroethane	12.72	83	4821	1.060	ug/L #	88
59) 1,2,3-Trichloropropane	12.77	75	3444	1.015	ug/L	100
62) Bromoform	12.35	173	2164	0.734	ug/L #	94
63) 1,3-Dichlorobenzene	13.51	146	10580	0.979	ug/L	94
64) 1,4-Dichlorobenzene	13.58	146	11114	1.021	ug/L	100
65) 1,2-Dichlorobenzene	13.88	146	10361	1.042	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.49	75	730m	0.912	ug/L	
67) 1,3,5-Trichlorobenzene	14.63	180	8674	0.996	ug/L	98
68) 1,2,4-trichlorobenzene	15.14	180	7332	0.987	ug/L	99
69) Naphthalene	15.38	128	11892	0.791	ug/L	99
70) 1,2,3-Trichlorobenzene	15.57	180	6339	0.950	ug/L	97

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

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW102318\
Data File : VW006300.D
Acq On : 23 Oct 2018 17:41
Operator : SY/AP
Sample : MDL
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampled :
MDL

Manual Integrations
APPROVED

MMDadoda
10/24/2018 2:07:39 PM

Quant Time: Oct 24 04:29:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM100918S.M
Quant Title : VOC Analysis
QLast Update : Wed Oct 24 01:59:01 2018
Response via : Initial Calibration

