

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092619\
 Data File : VW013306.D
 Acq On : 26 Sep 2019 14:52
 Operator : SY/VA
 Sample : MDL02
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 2:13:14 PM

Quant Time: Sep 27 08:31:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM092619S.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 26 12:57:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	404708	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	360603	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	176722	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	133207	27.60	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	110.40%
7) Chloroethane-d5	2.89	69	102004	26.33	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	105.32%
10) 1,1-Dichloroethene-d2	4.01	63	194668	20.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.96%
20) 2-Butanone-d5	7.07	46	104727	62.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	125.58%
24) Chloroform-d	7.65	84	227619	24.94	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	99.76%
26) 1,2-Dichloroethane-d4	8.31	65	127134	25.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	103.16%
29) Benzene-d6	8.27	84	508310	25.96	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.84%
33) 1,2-Dichloropropane-d6	9.27	67	149583	25.64	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	102.56%
37) Toluene-d8	10.32	98	473172	25.66	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.64%
38) trans-1,3-Dichloropropene-	10.58	79	64887	24.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.00%
39) 2-Hexanone-d5	10.93	63	79647	62.39	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.78%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	137991	27.85	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.40%
61) 1,2-Dichlorobenzene-d4	13.85	152	165552	26.22	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	104.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	2.01	85	3992m	1.576	ug/L	
3) Chloromethane	2.21	50	6789	2.000	ug/L	91
5) Vinyl chloride	2.36	62	9606	2.047	ug/L #	63
6) Bromomethane	2.78	94	6266	2.100	ug/L	96
8) Chloroethane	2.92	64	5848	2.054	ug/L	94
9) Trichlorofluoromethane	3.25	101	4702	1.616	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	4.06	101	10966	2.385	ug/L #	82
12) 1,1-Dichloroethene	4.03	96	10226m	2.192	ug/L	
13) Acetone	4.13	43	7491	5.396	ug/L	91
14) Carbon disulfide	4.38	76	25141	1.898	ug/L	99
15) Methyl Acetate	4.68	43	6712	2.506	ug/L #	69
16) Methylene chloride	4.90	84	15062m	2.491	ug/L	
17) Methyl tert-butyl Ether	5.43	73	15972	1.979	ug/L #	75
18) trans-1,2-Dichloroethene	5.42	96	9643	1.933	ug/L	91
19) 1,1-Dichloroethane	6.21	63	16989	1.942	ug/L	98
21) 2-Butanone	7.18	43	10327	5.165	ug/L	84
22) cis-1,2-Dichloroethene	7.17	96	10693	1.967	ug/L	98

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

23) Bromochloromethane	7.51	128	5063	2.070	ug/L	77
25) Chloroform	7.67	83	17712	2.060	ug/L	94
27) 1,2-Dichloroethane	8.40	62	11891	2.112	ug/L	98
30) Cyclohexane	7.95	56	17172	1.983	ug/L #	91
31) 1,1,1-Trichloroethane	7.87	97	13651	1.972	ug/L	98
32) Carbon tetrachloride	8.07	117	12445	1.886	ug/L	100
34) Benzene	8.32	78	40427m	2.000	ug/L	
35) Trichloroethene	9.09	95	10080	1.898	ug/L	92
36) Methylcyclohexane	9.33	83	18196	1.923	ug/L	97
40) 1,2-Dichloropropane	9.37	63	9696	1.949	ug/L	97
41) Bromodichloromethane	9.65	83	11794	1.933	ug/L	91
42) cis-1,3-Dichloropropene	10.07	75	15276	1.923	ug/L	100
43) 4-Methyl-2-pentanone	10.21	43	17534	4.605	ug/L #	94
44) Toluene	10.39	91	45785	2.080	ug/L	99
45) trans-1,3-Dichloropropene	10.60	75	13362m	2.092	ug/L	
46) 1,1,2-Trichloroethane	10.79	97	7657	1.965	ug/L	97
47) Tetrachloroethene	10.86	164	9819	2.055	ug/L	93
49) 2-Hexanone	10.97	43	12057	4.405	ug/L	98
50) Dibromochloromethane	11.13	129	8263	1.849	ug/L	95
51) 1,2-Dibromoethane	11.24	107	7482	1.954	ug/L #	94
52) Chlorobenzene	11.66	112	27806	2.005	ug/L	94
53) Ethylbenzene	11.73	91	46967	1.925	ug/L	93
54) m,p-Xylene	11.84	106	19179	2.047	ug/L	98
55) o-xylene	12.16	106	16911	1.913	ug/L	94
56) Styrene	12.18	104	27915	1.842	ug/L	98
57) Isopropylbenzene	12.46	105	45564	1.906	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	12.71	83	11340	2.362	ug/L	99
59) 1,2,3-Trichloropropane	12.77	75	7916	2.210	ug/L	94
62) Bromoform	12.35	173	5146	1.841	ug/L	93
63) 1,3-Dichlorobenzene	13.50	146	22054	2.028	ug/L	91
64) 1,4-Dichlorobenzene	13.58	146	22427	2.041	ug/L	94
65) 1,2-Dichlorobenzene	13.87	146	20509	2.073	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.48	75	1773	2.275	ug/L #	86
67) 1,3,5-Trichlorobenzene	14.63	180	16037	1.915	ug/L	97
68) 1,2,4-trichlorobenzene	15.13	180	11925	1.784	ug/L	98
69) Naphthalene	15.37	128	21898	1.715	ug/L	98
70) 1,2,3-Trichlorobenzene	15.55	180	11519	1.895	ug/L	98

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

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