

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090519\
 Data File : VL034134.D
 Acq On : 5 Sep 2019 13:32
 Operator : SY/AP
 Sample : K4612-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SOIL

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:15:14 AM

Quant Time: Sep 06 04:54:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 06 04:54:22 2019
 QLast Update : Thu Sep 05 10:21:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	890419	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	1711798	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1706250	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1488772	10.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.04	85	31510	0.215 ppbv	90
3) Chlorodifluoromethane	2.98	51	138402m	1.394 ppbv	
4) Chloromethane	3.13	50	33772	0.544 ppbv	90
9) Propene	3.00	41	552096	9.942 ppbv #	81
10) Heptane	8.18	43	201983m	1.401 ppbv	
11) Trichlorofluoromethane	3.96	101	47690	0.398 ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.50	101	10058m	0.126 ppbv	
13) Ethanol	3.62	45	1435210	131.925 ppbv	99
15) Acetone	3.85	43	5531998m	51.550 ppbv	
17) tert-Butyl alcohol	4.32	59	393155	5.047 ppbv	97
20) Methylene Chloride	4.36	84	338396	9.537 ppbv	94
25) Ethyl Acetate	5.71	43	2392724	10.157 ppbv #	93
27) Carbon Disulfide	4.57	76	71203	0.753 ppbv #	78
29) Chloroform	5.80	83	471945	3.341 ppbv	98
30) Cyclohexane	7.18	84	44254m	0.584 ppbv	
32) 1,1,1-Trichloroethane	6.56	97	11808m	0.088 ppbv	
34) 2-Butanone	5.27	43	1882965	11.442 ppbv	99
35) Carbon Tetrachloride	7.07	117	14101m	0.106 ppbv	
36) Benzene	6.94	78	73985	0.378 ppbv	96
37) 1,2-Dichloroethane	6.36	62	17616	0.147 ppbv	99
38) Trichloroethene	7.90	130	3016m	0.041 ppbv	
41) Tetrahydrofuran	6.09	42	23917m	0.242 ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	140130	0.388 ppbv #	80
50) 4-Methyl-2-Pentanone	8.80	43	1836287	7.312 ppbv	98
52) Tetrachloroethene	11.32	164	9996m	0.145 ppbv	
53) Toluene	9.88	91	3096801	14.310 ppbv	99
58) Ethyl Benzene	12.79	91	438295	1.567 ppbv	98
59) m/p-Xylene	13.06	91	879330	3.853 ppbv	100
60) o-Xylene	13.78	91	416701	1.833 ppbv	96
61) Styrene	13.62	104	136087m	0.800 ppbv	
62) Isopropylbenzene	14.77	105	61840m	0.209 ppbv	
64) n-propylbenzene	15.66	120	39129m	0.528 ppbv	
65) tert-Butylbenzene	16.86	119	92709	0.363 ppbv #	61
67) sec-Butylbenzene	17.40	105	68977m	0.188 ppbv	
69) p-Isopropyltoluene	17.75	119	367513	1.251 ppbv #	82
70) n-Butylbenzene	18.66	91	100925m	0.302 ppbv	
72) 4-Ethyltoluene	15.93	105	259156	1.010 ppbv	97
73) 1,3,5-Trimethylbenzene	16.09	105	256322	1.028 ppbv	89
74) 1,2,4-Trimethylbenzene	16.86	105	857842	3.342 ppbv #	75
76) 1,4-Dichlorobenzene	17.24	146	55453m	0.389 ppbv	
79) Naphthalene	22.33	128	34643m	0.149 ppbv	

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 06 11:35:25 2019
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Naphthalene,2-methyl-	25.06	142	12883	0.160	ppbv	86

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

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