

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090519\
 Data File : VL034131.D
 Acq On : 5 Sep 2019 11:32
 Operator : SY/AP
 Sample : K4612-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:15:08 AM

Quant Time: Sep 06 04:29:55 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 04:29:55 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	901453	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	1737974	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	1683683	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1498399	10.89	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	84405	0.568	ppbv	91
3) Chlorodifluoromethane	2.98	51	65673	0.654	ppbv	96
4) Chloromethane	3.14	50	27780	0.442	ppbv	89
9) Propene	3.01	41	103600m	1.843	ppbv	
10) Heptane	8.18	43	150790	1.033	ppbv	97
11) Trichlorofluoromethane	3.96	101	30485m	0.251	ppbv	
13) Ethanol	3.62	45	1727965	156.891	ppbv	99
15) Acetone	3.85	43	3208738m	29.535	ppbv	
17) tert-Butyl alcohol	4.33	59	30969m	0.393	ppbv	
20) Methylene Chloride	4.36	84	142962	3.980	ppbv	96
25) Ethyl Acetate	5.71	43	3647846	15.296	ppbv #	88
29) Chloroform	5.80	83	93536	0.654	ppbv	95
30) Cyclohexane	7.18	84	15744m	0.205	ppbv	
34) 2-Butanone	5.27	43	4055462	24.272	ppbv	96
35) Carbon Tetrachloride	7.07	117	10607m	0.078	ppbv	
36) Benzene	6.94	78	62400	0.314	ppbv	93
43) Methyl Methacrylate	8.08	69	16197m	0.198	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	222914m	0.609	ppbv	
50) 4-Methyl-2-Pentanone	8.80	43	8140873	31.929	ppbv #	83
52) Tetrachloroethene	11.31	164	6073m	0.087	ppbv	
53) Toluene	9.88	91	1771587	8.063	ppbv	99
58) Ethyl Benzene	12.80	91	809851	2.933	ppbv	93
59) m/p-Xylene	13.06	91	1611347m	7.155	ppbv	
60) o-Xylene	13.78	91	842999	3.758	ppbv	99
61) Styrene	13.61	104	245821	1.465	ppbv	98
62) Isopropylbenzene	14.76	105	143115m	0.490	ppbv	
64) n-propylbenzene	15.65	120	117621m	1.609	ppbv	
65) tert-Butylbenzene	16.86	119	322470	1.280	ppbv #	62
67) sec-Butylbenzene	17.39	105	262827	0.726	ppbv	95
69) p-Isopropyltoluene	17.75	119	229970	0.794	ppbv	93
70) n-Butylbenzene	18.65	91	398185	1.208	ppbv #	63
72) 4-Ethyltoluene	15.93	105	804878	3.180	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	747585	3.039	ppbv	96
74) 1,2,4-Trimethylbenzene	16.86	105	2909668	11.487	ppbv #	77
76) 1,4-Dichlorobenzene	17.24	146	17002m	0.121	ppbv	
79) Naphthalene	22.33	128	47862m	0.209	ppbv	
80) Naphthalene,2-methyl-	25.06	142	20979	0.264	ppbv	95

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

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