

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091019\
 Data File : VL034141.D
 Acq On : 10 Sep 2019 13:59
 Operator : SY/AP
 Sample : K4775-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:17:52 AM

Quant Time: Sep 11 02:12:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 0
 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	5.73	49	883871	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.25	114	1674737	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.17	117	1631017	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1443258	10.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	34528	0.237	ppbv	89
3) Chlorodifluoromethane	2.97	51	51478m	0.522	ppbv	
4) Chloromethane	3.12	50	45236	0.734	ppbv	94
5) Vinyl Chloride	3.25	62	4029m	0.072	ppbv	
7) Chloroethane	3.56	64	5012	0.262	ppbv	94
9) Propene	3.00	41	2629524	47.701	ppbv	100
10) Heptane	8.18	43	850223m	5.943	ppbv	
11) Trichlorofluoromethane	3.95	101	34336	0.289	ppbv	97
13) Ethanol	3.63	45	757310	70.128	ppbv	98
15) Acetone	3.87	43	15588675m	146.339	ppbv	
17) tert-Butyl alcohol	4.32	59	1810298	23.410	ppbv	98
19) Isopropyl Alcohol	3.99	45	2851284	39.656	ppbv #	97
20) Methylene Chloride	4.38	84	66940	1.901	ppbv #	79
26) Hexane	5.72	57	1101233	10.593	ppbv #	31
27) Carbon Disulfide	4.56	76	1071922	11.425	ppbv	99
28) Methyl tert-Butyl Ether	5.06	73	153105	1.005	ppbv	97
29) Chloroform	5.81	83	306753	2.188	ppbv	98
30) Cyclohexane	7.19	84	239756	3.190	ppbv #	83
31) cis-1,2-Dichloroethene	5.60	61	26983m	0.271	ppbv	
32) 1,1,1-Trichloroethane	6.57	97	10068m	0.076	ppbv	
34) 2-Butanone	5.28	43	7045361	43.759	ppbv #	76
35) Carbon Tetrachloride	7.08	117	5312m	0.041	ppbv	
36) Benzene	6.95	78	1042491	5.446	ppbv	94
38) Trichloroethene	7.90	130	15606m	0.218	ppbv	
44) 2,2,4-Trimethylpentane	7.93	57	3851902	10.914	ppbv	92
50) 4-Methyl-2-Pentanone	8.81	43	1026951	4.180	ppbv	99
51) 2-Hexanone	10.20	43	3577094	16.854	ppbv #	98
52) Tetrachloroethene	11.31	164	1325980	19.644	ppbv	97
53) Toluene	9.88	91	3345978	15.804	ppbv	100
58) Ethyl Benzene	12.79	91	1198698	4.482	ppbv	96
59) m/p-Xylene	13.05	91	3437457	15.756	ppbv	99
60) o-Xylene	13.78	91	1342307	6.177	ppbv	99
61) Styrene	13.61	104	68932m	0.424	ppbv	
62) Isopropylbenzene	14.76	105	104196	0.369	ppbv	99
64) n-propylbenzene	15.65	120	112687	1.591	ppbv	68
70) n-Butylbenzene	18.71	91	339271m	1.062	ppbv	
72) 4-Ethyltoluene	15.93	105	677083	2.762	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	474270	1.990	ppbv	92
74) 1,2,4-Trimethylbenzene	16.87	105	1658772	6.760	ppbv #	74
79) Naphthalene	22.34	128	81898m	0.369	ppbv	

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

