

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091019\
 Data File : VL034150.D
 Acq On : 10 Sep 2019 19:51
 Operator : SY/AP
 Sample : K4775-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:17:02 AM

Quant Time: Sep 11 03:53:43 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	5.72	49	637213	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	1289990	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1261470	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1060831	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	21874	0.208	ppbv	96
3) Chlorodifluoromethane	2.97	51	16476m	0.232	ppbv	
4) Chloromethane	3.13	50	26610	0.599	ppbv #	83
5) Vinyl Chloride	3.25	62	1510m	0.037	ppbv	
9) Propene	3.00	41	1431764	36.027	ppbv	98
10) Heptane	8.18	43	319358	3.096	ppbv	99
11) Trichlorofluoromethane	3.95	101	21679	0.253	ppbv #	81
13) Ethanol	3.62	45	464887	59.713	ppbv	97
15) Acetone	3.86	43	11631981m	151.464	ppbv	
17) tert-Butyl alcohol	4.32	59	481888	8.644	ppbv	100
19) Isopropyl Alcohol	3.99	45	1253827	24.189	ppbv #	97
20) Methylene Chloride	4.38	84	20585	0.811	ppbv #	84
26) Hexane	5.72	57	374708	4.999	ppbv #	30
27) Carbon Disulfide	4.56	76	50706	0.750	ppbv #	87
29) Chloroform	5.80	83	14660	0.145	ppbv	84
30) Cyclohexane	7.18	84	86545	1.597	ppbv #	76
32) 1,1,1-Trichloroethane	6.57	97	52538	0.550	ppbv	96
34) 2-Butanone	5.28	43	3971085	32.021	ppbv	94
35) Carbon Tetrachloride	7.07	117	4928m	0.049	ppbv	
36) Benzene	6.95	78	410410	2.783	ppbv	96
38) Trichloroethene	7.90	130	23354m	0.424	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	599026m	2.204	ppbv	
50) 4-Methyl-2-Pentanone	8.81	43	119238	0.630	ppbv	100
51) 2-Hexanone	10.19	43	1170271	7.158	ppbv #	99
52) Tetrachloroethene	11.30	164	446254	8.583	ppbv	98
53) Toluene	9.88	91	1502566	9.214	ppbv	99
58) Ethyl Benzene	12.79	91	288449m	1.394	ppbv	
59) m/p-Xylene	13.05	91	751135	4.451	ppbv	100
60) o-Xylene	13.78	91	270298	1.608	ppbv	99
61) Styrene	13.61	104	20644	0.164	ppbv	91
64) n-propylbenzene	15.65	120	19692m	0.359	ppbv	
70) n-Butylbenzene	18.66	91	56158m	0.227	ppbv	
72) 4-Ethyltoluene	15.93	105	98166	0.518	ppbv	94
73) 1,3,5-Trimethylbenzene	16.09	105	70687	0.384	ppbv	98
74) 1,2,4-Trimethylbenzene	16.85	105	279389	1.472	ppbv #	71
79) Naphthalene	22.32	128	46724m	0.272	ppbv	
80) Naphthalene,2-methyl-	25.06	142	6838	0.115	ppbv #	89

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

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