

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090519\
 Data File : VL034132.D
 Acq On : 5 Sep 2019 12:13
 Operator : SY/AP
 Sample : K4612-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDUP

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:15:50 AM

Quant Time: Sep 06 04:33:16 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 04:33:16 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	911253	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	1788713	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1738467	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	1509713	10.62	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	80069	0.533	ppbv	89
3) Chlorodifluoromethane	2.98	51	65983	0.650	ppbv	99
4) Chloromethane	3.14	50	26339	0.415	ppbv	97
9) Propene	3.01	41	96036m	1.690	ppbv	
10) Heptane	8.18	43	154790	1.049	ppbv	95
11) Trichlorofluoromethane	3.96	101	32470	0.265	ppbv	88
13) Ethanol	3.62	45	1733467	155.698	ppbv	99
15) Acetone	3.85	43	3136234m	28.557	ppbv	
17) tert-Butyl alcohol	4.33	59	31599m	0.396	ppbv	
20) Methylene Chloride	4.36	84	151302	4.167	ppbv	99
25) Ethyl Acetate	5.71	43	3546978	14.713	ppbv #	89
29) Chloroform	5.80	83	89304	0.618	ppbv #	81
30) Cyclohexane	7.19	84	14280m	0.184	ppbv	
34) 2-Butanone	5.27	43	3910842	22.742	ppbv	95
35) Carbon Tetrachloride	7.07	117	10380m	0.074	ppbv	
36) Benzene	6.95	78	64093	0.313	ppbv #	91
43) Methyl Methacrylate	8.07	69	14689m	0.174	ppbv	
44) 2,2,4-Trimethylpentane	7.93	57	217769	0.578	ppbv	92
50) 4-Methyl-2-Pentanone	8.81	43	8010011	30.525	ppbv #	83
52) Tetrachloroethene	11.31	164	5154m	0.071	ppbv	
53) Toluene	9.88	91	1739282	7.692	ppbv	98
58) Ethyl Benzene	12.80	91	807191	2.832	ppbv	92
59) m/p-Xylene	13.05	91	1577996	6.786	ppbv	100
60) o-Xylene	13.79	91	839459	3.624	ppbv	96
61) Styrene	13.62	104	244970	1.414	ppbv	97
62) Isopropylbenzene	14.76	105	138008	0.458	ppbv	98
64) n-propylbenzene	15.66	120	116021m	1.537	ppbv	
65) tert-Butylbenzene	16.86	119	323319	1.243	ppbv #	65
67) sec-Butylbenzene	17.39	105	255731	0.684	ppbv	96
69) p-Isopropyltoluene	17.75	119	224031	0.749	ppbv	95
70) n-Butylbenzene	18.65	91	403430m	1.185	ppbv	
72) 4-Ethyltoluene	15.93	105	810666	3.102	ppbv	97
73) 1,3,5-Trimethylbenzene	16.09	105	725294m	2.856	ppbv	
74) 1,2,4-Trimethylbenzene	16.86	105	2870892	10.977	ppbv #	75
76) 1,4-Dichlorobenzene	17.24	146	16404m	0.113	ppbv	
79) Naphthalene	22.32	128	42921m	0.182	ppbv	
80) Naphthalene,2-methyl-	25.06	142	12885	0.157	ppbv	91

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

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