

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091719\
 Data File : VL034181.D
 Acq On : 17 Sep 2019 12:52
 Operator : SY/AP
 Sample : VL0917ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0917ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:44:07 AM

Quant Time: Sep 19 07:47:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 19
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1203472	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	2108746	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2255059	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1899766	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	1620263	9.115 ppbv	97
3) Chlorodifluoromethane	2.97	51	1335363	9.463 ppbv	100
4) Chloromethane	3.13	50	745032	8.985 ppbv	99
5) Vinyl Chloride	3.25	62	652158	8.606 ppbv	97
6) Bromomethane	3.47	94	344201	9.735 ppbv	92
7) Chloroethane	3.55	64	239674	9.049 ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	1386899	8.840 ppbv	99
9) Propene	3.00	41	621103	8.921 ppbv	99
10) Heptane	8.18	43	1643431	9.058 ppbv	100
11) Trichlorofluoromethane	3.95	101	1459443	9.019 ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.50	101	963342	9.097 ppbv	99
13) Ethanol	3.61	45	169655	10.064 ppbv	93
14) Bromoethene	3.74	108	401199	9.266 ppbv	98
15) Acetone	3.85	43	1385081	8.587 ppbv	99
16) 1,3-Butadiene	3.32	39	659325	9.366 ppbv	98
17) tert-Butyl alcohol	4.30	59	1097043	10.734 ppbv	98
18) 1,1-Dichloroethene	4.29	96	442360	9.577 ppbv	94
19) Isopropyl Alcohol	3.97	45	1037402	10.459 ppbv	100
20) Methylene Chloride	4.36	84	404201	8.691 ppbv	97
21) Allyl Chloride	4.42	41	879865	9.658 ppbv	100
22) trans-1,2-Dichloroethene	4.90	96	434115	9.394 ppbv	97
23) Vinyl Acetate	5.10	43	2277662	9.583 ppbv	99
24) 1,1-Dichloroethane	5.03	63	1425774	8.909 ppbv	100
25) Ethyl Acetate	5.71	43	2585653	8.477 ppbv	100
26) Hexane	5.72	57	1115401	8.791 ppbv	98
27) Carbon Disulfide	4.56	76	1195645	10.218 ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1720406	9.130 ppbv	100
29) Chloroform	5.79	83	1632133	9.002 ppbv	100
30) Cyclohexane	7.18	84	846136	9.237 ppbv	99
31) cis-1,2-Dichloroethene	5.58	61	1202008	9.293 ppbv	99
32) 1,1,1-Trichloroethane	6.55	97	1562414	8.935 ppbv	99
34) 2-Butanone	5.27	43	1860682	8.642 ppbv	99
35) Carbon Tetrachloride	7.07	117	1552131	8.860 ppbv	99
36) Benzene	6.94	78	2031721	8.724 ppbv	100
37) 1,2-Dichloroethane	6.35	62	1474533	8.901 ppbv	100
38) Trichloroethene	7.89	130	686783	8.253 ppbv	98
39) 1,2-Dichloropropane	7.67	63	912295	8.718 ppbv	97
40) 1,4-Dioxane	7.89	88	316975	9.360 ppbv	# 91
41) Tetrahydrofuran	6.08	42	1098755	9.060 ppbv	99
42) Bromodichloromethane	7.85	83	1809413	9.101 ppbv	99
43) Methyl Methacrylate	8.07	69	925209	9.617 ppbv	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3785606	8.443	ppbv	99
45) t-1,3-Dichloropropene	9.34	75	1153717	10.142	ppbv	99
46) cis-1,3-Dichloropropene	8.76	75	1327470	9.701	ppbv	95
47) 1,1,2-Trichloroethane	9.55	97	837309	8.911	ppbv	96
48) Dibromochloromethane	10.38	129	1361527	9.142	ppbv	99
49) Bromoform	13.12	173	1169022	9.700	ppbv	99
50) 4-Methyl-2-Pentanone	8.80	43	2725820	8.699	ppbv	99
51) 2-Hexanone	10.20	43	2387170	9.077	ppbv	100
52) Tetrachloroethene	11.30	164	629887	8.186	ppbv	96
53) Toluene	9.87	91	2279265	8.955	ppbv	99
54) 1,2-Dibromoethane	10.68	107	1284222	9.190	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.20	131	911172	9.060	ppbv #	58
57) Chlorobenzene	12.23	112	1639041	8.348	ppbv	97
58) Ethyl Benzene	12.79	91	3132801	8.610	ppbv	99
59) m/p-Xylene	13.06	91	5113686m	16.968	ppbv	
60) o-Xylene	13.78	91	2551772	8.468	ppbv	99
61) Styrene	13.61	104	1929274	8.938	ppbv	99
62) Isopropylbenzene	14.75	105	3317202	8.503	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.76	83	1885339	7.630	ppbv	100
64) n-propylbenzene	15.65	120	860212	8.716	ppbv	94
65) tert-Butylbenzene	16.83	119	2850908	8.364	ppbv	100
66) Benzyl Chloride	17.09	91	1424083	11.809	ppbv	99
67) sec-Butylbenzene	17.38	105	4103262	8.418	ppbv	99
69) p-Isopropyltoluene	17.74	119	3352040	8.493	ppbv	100
70) n-Butylbenzene	18.64	91	3861164	8.402	ppbv	99
71) 2-Chlorotoluene	15.55	91	2775485	8.708	ppbv	99
72) 4-Ethyltoluene	15.93	105	2936599	8.625	ppbv	99
73) 1,3,5-Trimethylbenzene	16.09	105	2811230	8.547	ppbv	99
74) 1,2,4-Trimethylbenzene	16.86	105	2872670	8.225	ppbv	93
75) 1,3-Dichlorobenzene	17.09	146	1565509	8.355	ppbv	99
76) 1,4-Dichlorobenzene	17.23	146	1605026	8.364	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1577030	8.315	ppbv	100
78) Hexachloro-1,3-Butadiene	23.47	225	1204234m	9.586	ppbv	
79) Naphthalene	22.32	128	2907426	9.456	ppbv	98
80) Naphthalene, 2-methyl-	25.05	142	1230275	8.604	ppbv	99
81) 1,2,4-Trichlorobenzene	22.04	180	1427767	8.383	ppbv	100

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

