

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034251.D
 Acq On : 8 Oct 2019 14:51
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:06:58 PM

Quant Time: Oct 09 05:25:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 2019
 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	5.69	49	1022897	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1791958	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	1936496m	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1641587	9.76	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1790384	11.849	ppbv	98
3) Chlorodifluoromethane	2.96	51	1242800	10.362	ppbv	99
4) Chloromethane	3.12	50	727042	10.316	ppbv	98
5) Vinyl Chloride	3.24	62	645798	10.026	ppbv	94
6) Bromomethane	3.46	94	320850	10.677	ppbv	92
7) Chloroethane	3.55	64	243750	10.827	ppbv	95
8) Dichlorotetrafluoroethane	3.17	85	1401938	10.513	ppbv	97
9) Propene	2.99	41	582840	9.850	ppbv	100
10) Heptane	8.17	43	1549049	10.045	ppbv	100
11) Trichlorofluoromethane	3.94	101	1470819	10.694	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	970746	10.785	ppbv	100
13) Ethanol	3.59	45	118670	8.282	ppbv	94
14) Bromoethene	3.73	108	401845	10.920	ppbv	99
15) Acetone	3.84	43	1234715	9.006	ppbv	99
16) 1,3-Butadiene	3.31	39	638932	10.679	ppbv	99
17) tert-Butyl alcohol	4.29	59	956855	11.015	ppbv	99
18) 1,1-Dichloroethene	4.29	96	434428	11.066	ppbv	90
19) Isopropyl Alcohol	3.96	45	834417	9.898	ppbv	100
20) Methylene Chloride	4.35	84	392438	9.928	ppbv	95
21) Allyl Chloride	4.41	41	842677	10.882	ppbv	98
22) trans-1,2-Dichloroethene	4.90	96	429647	10.939	ppbv	98
23) Vinyl Acetate	5.09	43	2041618	10.106	ppbv	99
24) 1,1-Dichloroethane	5.02	63	1371386	10.082	ppbv	100
25) Ethyl Acetate	5.70	43	2541796	9.805	ppbv	100
26) Hexane	5.71	57	1081009	10.024	ppbv	99
27) Carbon Disulfide	4.56	76	1160892	11.672	ppbv	99
28) Methyl tert-Butyl Ether	5.04	73	1685062	10.521	ppbv	99
29) Chloroform	5.78	83	1597715	10.368	ppbv	98
30) Cyclohexane	7.17	84	791254	10.163	ppbv	99
31) cis-1,2-Dichloroethene	5.57	61	1141834	10.386	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1540571	10.366	ppbv	99
34) 2-Butanone	5.26	43	1746084	9.543	ppbv	99
35) Carbon Tetrachloride	7.06	117	1553576	10.435	ppbv	97
36) Benzene	6.93	78	1917428	9.688	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1448540	10.290	ppbv	99
38) Trichloroethene	7.89	130	662912	9.375	ppbv	97
39) 1,2-Dichloropropane	7.65	63	846598	9.521	ppbv	99
40) 1,4-Dioxane	7.87	88	270914	9.414	ppbv #	92
41) Tetrahydrofuran	6.07	42	1014371	9.843	ppbv	99
42) Bromodichloromethane	7.84	83	1760149	10.419	ppbv	98
43) Methyl Methacrylate	8.06	69	840282	10.278	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.91	57	3626993	9.520	ppbv	100
45) t-1,3-Dichloropropene	9.33	75	1105271	11.434	ppbv	100
46) cis-1,3-Dichloropropene	8.75	75	1265842	10.886	ppbv	98
47) 1,1,2-Trichloroethane	9.53	97	768018	9.618	ppbv	97
48) Dibromochloromethane	10.37	129	1313911	10.382	ppbv	99
49) Bromoform	13.12	173	1073128	10.478	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2562429	9.623	ppbv	98
51) 2-Hexanone	10.19	43	2175069	9.733	ppbv	99
52) Tetrachloroethene	11.29	164	593649	9.079	ppbv	96
53) Toluene	9.86	91	2141975	9.903	ppbv	99
54) 1,2-Dibromoethane	10.68	107	1183887	9.970	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.20	131	865096	10.017	ppbv	97
57) Chlorobenzene	12.21	112	1548141	9.182	ppbv	97
58) Ethyl Benzene	12.78	91	2928150	9.371	ppbv	99
59) m/p-Xylene	13.06	91	4836012m	18.686	ppbv	
60) o-Xylene	13.76	91	2429533	9.388	ppbv	98
61) Styrene	13.60	104	1762366	9.507	ppbv	99
62) Isopropylbenzene	14.74	105	3135490	9.360	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.75	83	1757198	8.281	ppbv	100
64) n-propylbenzene	15.64	120	793794	9.366	ppbv	91
65) tert-Butylbenzene	16.82	119	2648865	9.049	ppbv	98
66) Benzyl Chloride	17.07	91	1284627	12.405	ppbv	98
67) sec-Butylbenzene	17.37	105	3881580	9.274	ppbv	99
69) p-Isopropyltoluene	17.73	119	3135637	9.251	ppbv	99
70) n-Butylbenzene	18.63	91	3552366	9.001	ppbv	98
71) 2-Chlorotoluene	15.53	91	2532197	9.251	ppbv	100
72) 4-Ethyltoluene	15.91	105	2743035	9.382	ppbv	98
73) 1,3,5-Trimethylbenzene	16.08	105	2655162	9.400	ppbv	96
74) 1,2,4-Trimethylbenzene	16.84	105	2690712	8.972	ppbv	95
75) 1,3-Dichlorobenzene	17.08	146	1437451	8.933	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1456218	8.837	ppbv	99
77) 1,2-Dichlorobenzene	17.90	146	1419920	8.718	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	974020	9.029	ppbv	98
79) Naphthalene	22.31	128	2317554	8.777	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	941089	7.664	ppbv	99
81) 1,2,4-Trichlorobenzene	22.03	180	1274136	8.711	ppbv	99

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

