

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034223.D
 Acq On : 7 Oct 2019 12:13
 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 5:04:38 PM

Quant Time: Oct 09 02:28:12 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	1045424	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1929659	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2144254m	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.49	95	1725325	9.26	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.60%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	1613908	10.451	ppbv	99
3) Chlorodifluoromethane	2.97	51	1090391	8.896	ppbv	98
4) Chloromethane	3.12	50	675471	9.377	ppbv	95
5) Vinyl Chloride	3.24	62	590920	8.977	ppbv	96
6) Bromomethane	3.47	94	297311	9.680	ppbv	98
7) Chloroethane	3.55	64	218002	9.475	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	1257003	9.223	ppbv	99
9) Propene	2.99	41	561504	9.285	ppbv	100
10) Heptane	8.17	43	1450350	9.202	ppbv	98
11) Trichlorofluoromethane	3.95	101	1309487	9.316	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	879401	9.560	ppbv	97
13) Ethanol	3.60	45	105230	7.186	ppbv	99
14) Bromoethene	3.73	108	380917	10.128	ppbv	99
15) Acetone	3.85	43	1104935	7.886	ppbv	100
16) 1,3-Butadiene	3.31	39	574280	9.392	ppbv	98
17) tert-Butyl alcohol	4.29	59	833546	9.389	ppbv	100
18) 1,1-Dichloroethene	4.29	96	409681	10.211	ppbv	91
19) Isopropyl Alcohol	3.97	45	721294	8.371	ppbv	100
20) Methylene Chloride	4.35	84	369128	9.137	ppbv	92
21) Allyl Chloride	4.42	41	776911	9.817	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	416319	10.371	ppbv	98
23) Vinyl Acetate	5.09	43	1937545	9.384	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1266096	9.107	ppbv	99
25) Ethyl Acetate	5.70	43	2327271	8.784	ppbv	99
26) Hexane	5.71	57	998125	9.056	ppbv	98
27) Carbon Disulfide	4.56	76	1089680	10.720	ppbv	98
28) Methyl tert-Butyl Ether	5.05	73	1623753	9.920	ppbv	98
29) Chloroform	5.78	83	1471360	9.342	ppbv	100
30) Cyclohexane	7.17	84	777750	9.774	ppbv	98
31) cis-1,2-Dichloroethene	5.57	61	1058339	9.420	ppbv	97
32) 1,1,1-Trichloroethane	6.55	97	1394209	9.179	ppbv	98
34) 2-Butanone	5.26	43	1608477	8.164	ppbv	97
35) Carbon Tetrachloride	7.06	117	1366595	8.524	ppbv	97
36) Benzene	6.93	78	1890670	8.871	ppbv	99
37) 1,2-Dichloroethane	6.34	62	1259435	8.308	ppbv	99
38) Trichloroethene	7.88	130	626078	8.222	ppbv	99
39) 1,2-Dichloropropane	7.66	63	826114	8.627	ppbv	97
40) 1,4-Dioxane	7.88	88	265535	8.569	ppbv #	88
41) Tetrahydrofuran	6.08	42	984352	8.870	ppbv	99
42) Bromodichloromethane	7.84	83	1638654	9.008	ppbv	100
43) Methyl Methacrylate	8.07	69	826822	9.392	ppbv	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3459714	8.433	ppbv	98
45) t-1,3-Dichloropropene	9.34	75	1070057	10.279	ppbv	97
46) cis-1,3-Dichloropropene	8.76	75	1221016	9.751	ppbv	93
47) 1,1,2-Trichloroethane	9.54	97	746710	8.684	ppbv	97
48) Dibromochloromethane	10.37	129	1228747	9.016	ppbv	99
49) Bromoform	13.12	173	1044769	9.473	ppbv	99
50) 4-Methyl-2-Pentanone	8.79	43	2388010	8.328	ppbv	99
51) 2-Hexanone	10.19	43	2008286	8.345	ppbv #	97
52) Tetrachloroethene	11.29	164	580114	8.239	ppbv	97
53) Toluene	9.87	91	2114952	9.080	ppbv	99
54) 1,2-Dibromoethane	10.68	107	1113722	8.710	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.20	131	800526	8.371	ppbv	99
57) Chlorobenzene	12.22	112	1478906	7.922	ppbv	98
58) Ethyl Benzene	12.78	91	2859207	8.264	ppbv	97
59) m/p-Xylene	13.07	91	4590103m	16.018	ppbv	
60) o-Xylene	13.77	91	2299853	8.026	ppbv	99
61) Styrene	13.60	104	1726483	8.411	ppbv	98
62) Isopropylbenzene	14.74	105	2986295	8.051	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.76	83	1647679	7.012	ppbv	99
64) n-propylbenzene	15.64	120	770136	8.206	ppbv	94
65) tert-Butylbenzene	16.83	119	2515836	7.762	ppbv	98
66) Benzyl Chloride	17.08	91	1227776	10.707	ppbv	100
67) sec-Butylbenzene	17.38	105	3648844	7.873	ppbv	99
69) p-Isopropyltoluene	17.73	119	2954393	7.872	ppbv	99
70) n-Butylbenzene	18.63	91	3328752	7.617	ppbv	99
71) 2-Chlorotoluene	15.54	91	2426678	8.007	ppbv	99
72) 4-Ethyltoluene	15.92	105	2639806	8.154	ppbv	98
73) 1,3,5-Trimethylbenzene	16.08	105	2510002	8.025	ppbv	99
74) 1,2,4-Trimethylbenzene	16.85	105	2492836	7.506	ppbv	95
75) 1,3-Dichlorobenzene	17.09	146	1341209	7.527	ppbv	99
76) 1,4-Dichlorobenzene	17.22	146	1384557	7.588	ppbv	100
77) 1,2-Dichlorobenzene	17.91	146	1342026	7.442	ppbv	99
78) Hexachloro-1,3-Butadiene	23.46	225	916820	7.675	ppbv	99
79) Naphthalene	22.31	128	2272252	7.772	ppbv	98
80) Naphthalene,2-methyl-	25.04	142	954862	7.023	ppbv	99
81) 1,2,4-Trichlorobenzene	22.04	180	1244371	7.684	ppbv	99

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

