

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030320\
 Data File : VL034758.D
 Acq On : 3 Mar 2020 9:43
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 4:48:55 PM

Quant Time: Mar 04 05:54:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Feb 28 2020
 QLast Update : Fri Feb 28 01:15:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1163189	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2428870	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2446017	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	2058656	10.26	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1321524	7.202	ppbv	95
3) Chlorodifluoromethane	2.96	51	1170627	9.325	ppbv	99
4) Chloromethane	3.11	50	640703	9.118	ppbv	99
5) Vinyl Chloride	3.23	62	640573	9.292	ppbv	95
6) Bromomethane	3.45	94	381423	9.444	ppbv	94
7) Chloroethane	3.53	64	240582	9.401	ppbv	97
8) Dichlorotetrafluoroethane	3.16	85	1481441	9.127	ppbv	99
9) Propene	2.98	41	478569	9.120	ppbv	99
10) Heptane	8.15	43	1321805	9.787	ppbv	100
11) Trichlorofluoromethane	3.93	101	1523209	9.477	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1066643	9.415	ppbv	98
13) Ethanol	3.58	45	154912	9.345	ppbv	97
14) Bromoethene	3.72	108	461334	9.760	ppbv	98
15) Acetone	3.83	43	1166911	8.804	ppbv	99
16) 1,3-Butadiene	3.30	39	589813	9.613	ppbv	99
17) tert-Butyl alcohol	4.28	59	1217505	11.987	ppbv	99
18) 1,1-Dichloroethene	4.28	96	480436	9.446	ppbv	95
19) Isopropyl Alcohol	3.95	45	926022	11.729	ppbv	100
20) Methylene Chloride	4.33	84	425323	8.628	ppbv	93
21) Allyl Chloride	4.40	41	863949	9.852	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	478636	9.651	ppbv	98
23) Vinyl Acetate	5.07	43	1855882	10.299	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1349241	9.376	ppbv	99
25) Ethyl Acetate	5.68	43	2247689	9.579	ppbv	100
26) Hexane	5.69	57	1007869	9.320	ppbv	99
27) Carbon Disulfide	4.54	76	1267748	10.327	ppbv	98
28) Methyl tert-Butyl Ether	5.03	73	1556027	10.072	ppbv	99
29) Chloroform	5.76	83	1615704	9.377	ppbv	96
30) Cyclohexane	7.14	84	818471	9.766	ppbv	98
31) cis-1,2-Dichloroethene	5.55	61	1061069	9.970	ppbv	98
32) 1,1,1-Trichloroethane	6.52	97	1570049	9.758	ppbv	99
34) 2-Butanone	5.24	43	1483839	9.706	ppbv	98
35) Carbon Tetrachloride	7.03	117	1626282	9.998	ppbv	97
36) Benzene	6.91	78	1975472	9.417	ppbv	98
37) 1,2-Dichloroethane	6.32	62	1326749	10.033	ppbv	98
38) Trichloroethene	7.86	130	753519	9.319	ppbv	96
39) 1,2-Dichloropropane	7.64	63	799755	9.582	ppbv	98
40) 1,4-Dioxane	7.85	88	297232	10.472	ppbv #	1
41) Tetrahydrofuran	6.05	42	829219	10.276	ppbv	99
42) Bromodichloromethane	7.82	83	1750185	10.109	ppbv	99
43) Methyl Methacrylate	8.03	69	925315	10.487	ppbv	100

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44) 2,2,4-Trimethylpentane	7.89	57	3429120	9.353	ppbv	98
45) t-1,3-Dichloropropene	9.31	75	1109534	11.523	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1261437	10.924	ppbv	98
47) 1,1,2-Trichloroethane	9.51	97	811281	9.475	ppbv	97
48) Dibromochloromethane	10.34	129	1417838	10.649	ppbv	99
49) Bromoform	13.09	173	1221225	10.579	ppbv	98
50) 4-Methyl-2-Pentanone	8.77	43	2204281	10.180	ppbv	100
51) 2-Hexanone	10.17	43	1824995	10.710	ppbv #	99
52) Tetrachloroethene	11.26	164	713747	9.282	ppbv	93
53) Toluene	9.84	91	2269987	10.174	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1266917	9.918	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.17	131	1040687	9.990	ppbv	96
57) Chlorobenzene	12.19	112	1712936	9.475	ppbv	94
58) Ethyl Benzene	12.75	91	3070979	10.377	ppbv	99
59) m/p-Xylene	13.04	91	5079843m	19.681	ppbv	
60) o-Xylene	13.74	91	2547630	9.947	ppbv	98
61) Styrene	13.58	104	1792714	10.896	ppbv	98
62) Isopropylbenzene	14.72	105	3680573	9.851	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.73	83	1810106	9.068	ppbv	100
64) n-propylbenzene	15.61	120	961802	9.985	ppbv	96
65) tert-Butylbenzene	16.80	119	3208155	9.944	ppbv	98
66) Benzyl Chloride	17.05	91	1486549	12.352	ppbv	99
67) sec-Butylbenzene	17.35	105	4573650	9.852	ppbv	100
69) p-Isopropyltoluene	17.71	119	3828157	10.017	ppbv	99
70) n-Butylbenzene	18.61	91	4091223	9.831	ppbv	99
71) 2-Chlorotoluene	15.50	91	2880829	9.955	ppbv	100
72) 4-Ethyltoluene	15.89	105	2963471	10.395	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	2788064	10.166	ppbv	99
74) 1,2,4-Trimethylbenzene	16.82	105	2911562	9.613	ppbv	94
75) 1,3-Dichlorobenzene	17.05	146	1648571	9.430	ppbv	100
76) 1,4-Dichlorobenzene	17.20	146	1648906	9.427	ppbv	98
77) 1,2-Dichlorobenzene	17.87	146	1611724m	9.536	ppbv	
78) Hexachloro-1,3-Butadiene	23.44	225	1369781	9.308	ppbv	98
79) Naphthalene	22.27	128	2717668	10.196	ppbv	100
80) Naphthalene, 2-methyl-	25.03	142	1264530	15.381	ppbv	96
81) 1,2,4-Trichlorobenzene	22.00	180	1569089m	9.864	ppbv	

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

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