

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101920\
 Data File : VL035790.D
 Acq On : 19 Oct 2020 10:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Oct 20 08:14:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1085404	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	4103389	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	4239312m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3049332	9.60	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	1790888	10.056	ppbv	99
3) Chlorodifluoromethane	2.97	51	1114059	9.541	ppbv	99
4) Chloromethane	3.12	50	594228	9.473	ppbv	99
5) Vinyl Chloride	3.23	62	688437	9.279	ppbv	98
6) Bromomethane	3.45	94	583620	9.305	ppbv	99
7) Chloroethane	3.53	64	256675	9.433	ppbv	97
8) Dichlorotetrafluoroethane	3.17	85	1993514	9.229	ppbv	99
9) Propene	2.99	41	425333	10.032	ppbv	98
10) Heptane	8.11	43	1254307	10.612	ppbv	99
11) Trichlorofluoromethane	3.93	101	2355468	9.270	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1742281	9.198	ppbv	99
13) Ethanol	3.58	45	91087	8.712	ppbv	97
14) Bromoethene	3.72	108	768746	9.634	ppbv	100
15) Acetone	3.83	43	980056	8.391	ppbv	100
16) 1,3-Butadiene	3.30	39	444733	10.409	ppbv	96
17) tert-Butyl alcohol	4.27	59	1304626	10.255	ppbv	99
18) 1,1-Dichloroethene	4.27	96	800546	9.652	ppbv	95
19) Isopropyl Alcohol	3.94	45	614389	9.671	ppbv	99
20) Methylene Chloride	4.32	84	645762	7.527	ppbv	97
21) Allyl Chloride	4.39	41	576792	10.189	ppbv	99
22) trans-1,2-Dichloroethene	4.86	96	832716	9.503	ppbv	97
23) Vinyl Acetate	5.05	43	1469730	10.274	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1454660	9.336	ppbv	99
25) Ethyl Acetate	5.66	43	2037985	9.698	ppbv	99
26) Hexane	5.67	57	1116365	9.694	ppbv	98
27) Carbon Disulfide	4.53	76	1809347	10.541	ppbv	100
28) Methyl tert-Butyl Ether	5.01	73	1904847	10.435	ppbv	100
29) Chloroform	5.74	83	2219232	9.489	ppbv	98
30) Cyclohexane	7.11	84	1191558	10.487	ppbv	97
31) cis-1,2-Dichloroethene	5.53	61	1169361	10.519	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2170347	10.528	ppbv	100
34) 2-Butanone	5.22	43	1383118	10.191	ppbv	99
35) Carbon Tetrachloride	7.00	117	2242359	10.481	ppbv	98
36) Benzene	6.87	78	2763611	10.336	ppbv	100
37) 1,2-Dichloroethane	6.29	62	1394109	10.004	ppbv	99
38) Trichloroethene	7.82	130	1365921	10.241	ppbv	98
39) 1,2-Dichloropropane	7.60	63	960542	9.911	ppbv	98
40) 1,4-Dioxane	7.81	88	445695	10.056	ppbv	# 1
41) Tetrahydrofuran	6.03	42	776861	11.362	ppbv	98
42) Bromodichloromethane	7.78	83	2322911	10.348	ppbv	97
43) Methyl Methacrylate	8.00	69	1173657	11.037	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3838159	10.004	ppbv	100
45) t-1,3-Dichloropropene	9.27	75	1317251	12.269	ppbv	99
46) cis-1,3-Dichloropropene	8.69	75	1570220	11.865	ppbv	99
47) 1,1,2-Trichloroethane	9.47	97	1331648	9.593	ppbv	98
48) Dibromochloromethane	10.29	129	2265030	10.721	ppbv	100
49) Bromoform	13.03	173	2012125	11.225	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2088761	10.537	ppbv	99
51) 2-Hexanone	10.12	43	1755523	10.991	ppbv	99
52) Tetrachloroethene	11.21	164	1283837	9.985	ppbv	98
53) Toluene	9.79	91	3475706	11.024	ppbv	99
54) 1,2-Dibromoethane	10.60	107	2124491	10.221	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1756519	9.882	ppbv	97
57) Chlorobenzene	12.14	112	2918051	9.113	ppbv	99
58) Ethyl Benzene	12.70	91	4575877	10.754	ppbv	98
59) m/p-Xylene	12.99	91	7896600m	21.251	ppbv	
60) o-Xylene	13.69	91	3836125	10.206	ppbv	99
61) Styrene	13.52	104	2976271	11.451	ppbv	100
62) Isopropylbenzene	14.66	105	5783777	9.920	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	2773977	9.000	ppbv	100
64) n-propylbenzene	15.56	120	1738858	10.190	ppbv	94
65) tert-Butylbenzene	16.74	119	5316907	10.030	ppbv	100
66) Benzyl Chloride	16.99	91	1948908	12.135	ppbv	99
67) sec-Butylbenzene	17.29	105	7187222	9.819	ppbv	98
69) p-Isopropyltoluene	17.65	119	6048139	10.156	ppbv	99
70) n-Butylbenzene	18.55	91	6072160	9.901	ppbv	98
71) 2-Chlorotoluene	15.45	91	4426067	10.408	ppbv	99
72) 4-Ethyltoluene	15.84	105	4709307	10.576	ppbv	99
73) 1,3,5-Trimethylbenzene	16.00	105	4376444	10.401	ppbv	96
74) 1,2,4-Trimethylbenzene	16.76	105	4571723	9.638	ppbv	94
75) 1,3-Dichlorobenzene	17.00	146	2965799	9.158	ppbv	99
76) 1,4-Dichlorobenzene	17.14	146	3006649	9.713	ppbv	100
77) 1,2-Dichlorobenzene	17.82	146	2898877	9.477	ppbv	99
78) Hexachloro-1,3-Butadiene	23.38	225	1569018	9.298	ppbv	100
79) Naphthalene	22.20	128	4410815	9.749	ppbv	100
80) Naphthalene, 2-methyl-	24.98	142	1400039	13.120	ppbv	99
81) 1,2,4-Trichlorobenzene	21.93	180	2228582	9.505	ppbv	100

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

